

Engine Management Catalogue



- Knock Sensors
- Throttle Position Sensors
- Idle Air Control Valves
- Mass Air Flow Sensors
- Manifold Absolute Pressure Sensors





Tridon Australia Pty Ltd is a 100% Australian owned company supplying the automotive, original equipment, industrial and hardware markets in Australia and New Zealand. Quality and customer service are of the utmost importance. Tridon's distribution and manufacturing facility is ISO9001/TS16949 quality accredited and ISO14001 environmentally accredited.

Tridon offers an extensive range of engine management products to suit Japanese, American, European, Korean and Australian built vehicles, including:

- **Knock Sensors**
- **Throttle Position Sensors (TPS)**
- **Idle Air Control Valves (IAC)**
- **Mass Air Flow Sensors (MAF)**
- **Manifold Absolute Pressure Sensors (MAP)**

This catalogue has been carefully researched and compiled to assist with correct product selection and includes:

- **Vehicle Application List**
- **Part Number Identification Guides**
- **Technical Information and Testing Procedures**

Tridon's engine management range has been developed to operate within original equipment manufacturer's specifications and to the highest quality standards. The range is designed to complement Tridon's existing, well established automotive ignition, switches and sensor products.

Tridon prides itself on delivering the most comprehensive range of high quality products and service to its customers.

For further information regarding our products visit **tridon.com.au** or contact your nearest Tridon stockist or Tridon Customer Service as listed on the back of this catalogue.

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Product Range



Knock Sensors

Designed to detect and respond to vibrations caused by vehicle engine advanced timing detonation, known as engine knock or pinging. The knock sensor delivers a change in output signal voltage when acoustic signals (vibrations) from engine knock are detected. The output signal voltage is processed by the vehicle ECU to control ignition timing (retard), fuel injection timing and other important engine management functions.



Throttle Position Sensors (TPS)

Electrical device designed to monitor the position of the vehicle throttle valve / plate. The TPS sensor delivers a change in signal voltage as a result of rotational speed and position of the vehicle throttle. The change in signal voltage is processed by the vehicle ECU to accurately determine throttle position required for control fuel and air delivery, ignition timing and other important functions.



Idle Air Control Valves (IAC)

Electrical actuating device designed to control engine idle speed. The IAC is designed to allow a measured amount of air to bypass the throttle plate as required for or during engine start-up, cold start / engine warm up, electrical loads, A/C and automatic transmission use. Integrated into the bypass housing or located on or near the throttle body assembly, the IAC valve is controlled by an input signal from the ECU as required by the engine management system.



Mass Air Flow Sensors (MAF)

Electrical device designed to measure the flow of air entering the vehicle intake manifold. The MAF sensor detects the volume of air passing through the throttle body and into the inlet manifold, sending a signal to the ECU. The MAF sensor is used in conjunction with the oxygen sensor to enable the engine management system to accurately control the engine's air / fuel ratio.



Manifold Absolute Pressure Sensors (MAP)

Designed to measure the vacuum (manifold pressure) within the vehicle's intake manifold. The MAP sensor delivers changes in signal voltage as a result of changes in intake vacuum / manifold pressure. The change in signal voltage is processed by the vehicle ECU to determine the engine load. This is required for control of fuel and air delivery, ignition timing and other important functions.



Vehicles make and models are listed in alphabetical order followed by the corresponding year, cylinder, engine size and model. Applications for each product are listed with appropriate Tridon part number and are colour coded for easy identification and selection.

Reference should be made to the vehicle application prior to selection of the replacement part. This will ensure that the correct part is supplied for the vehicle. There may be multiple applications listed. In this case it is important to check vehicle start and finish dates, catalogue notes or illustration to ensure the correct application is selected.

Whilst every effort has been made to ensure that the information contained in this catalogue is accurate at the time of printing, Tridon Australia will not accept responsibility should any inaccuracies be contained herein. Illustrations in this catalogue are for identification purposes only and there may be slight variations between the illustration and actual product. References to OE vehicle manufactured products are for identification purposes only.

VEHICLE APPLICATION LIST



Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Alfa Romeo											
146	1.6	06/95	06/96	1.6L (AR33201)	SOHC 8V (Petrol)	-	TTH008	-	-	TMP015	
147	1.6 - 2.0	01/01	09/09	1.6L - 2.0L	DOHC 16V (Petrol)	TKS078	-	-	TAF066	-	
147	1.9 Diesel	01/06	09/09	1.9L (937A5)	DOHC 16V (Diesel)	-	-	-	-	TMP076	
147	GTA (3.2 V6)	07/03	02/07	3.2L (932A0)	DOHC 24V (Petrol)	TKS079	-	-	TAF072	-	Check Knock Sensor illustrations for correct application
156	JTS (2.0)	08/02	05/06	2.0L (937A1)	DOHC 16V (Petrol)	TKS062	-	-	TAF092	-	
156	Twin Spark (2.0)	02/99	01/03	2.0L (AR3231)	DOHC 16V (Petrol)	TKS078	-	-	TAF066	-	
156	2.5 (V6)	01/99	01/03	2.5L (AR3240)	DOHC 24V (Petrol)	TKS021	-	-	TAF142	-	
156	2.5 (V6)	08/02	05/06	2.5L (AR32405)	DOHC 24V (Petrol)	-	-	-	TAF114	-	
156	GTA (3.2 V6)	08/02	05/04	3.2L (932A0)	DOHC 24V (Petrol)	TKS079	-	-	TAF072	-	Check Knock Sensor illustrations for correct application
159	1750 TBI (1.7)	12/10	10/14	1.7L (939B1)	DOHC 16V (Petrol)	TKS062	-	-	-	TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
159	JTD (1.9)	03/07	10/14	1.9L (939A2)	DOHC 16V (Diesel)	-	-	-	-	TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
159	2.2 JTS	01/08	10/10	2.2L (939A5)	DOHC 16V (Petrol)	TKS080	-	-	TAF129	-	
159	2.4 JTD	06/06	10/14	2.4L (939A3)	DOHC 20V (Diesel)	-	-	-	TAF093	TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
159	3.2 V6	06/06	10/14	3.2L (939A0)	DOHC 24V (Petrol)	TKS080	-	-	-	TMP037	
166	2.5 - 3.0 (V6)	01/99	01/04	2.5L - 3.0L	DOHC 24V (Petrol)	TKS021 TKS060	-	-	TAF142	-	TKS021 (400mm lead length), TKS060 (450mm lead length)
166	3.0 (V6)	05/01	01/09	3.0L (AR36101)	DOHC 24V (Petrol)	TKS021 TKS060	-	-	-	-	TKS021 (400mm lead length), TKS060 (450mm lead length)
Brera	2.2 JTS	01/08	01/11	2.2L (939A5)	DOHC 16V (Petrol)	TKS080	-	-	TAF129	-	
Brera	2.4 Diesel	01/06	01/07	2.4L (939A3)	DOHC 20V (Diesel)	-	-	-	TAF093	TMP076	Check Air Flow Meter illustrations for correct application
Brera	3.2 JTS V6	01/08	06/09	3.2L (939A0)	DOHC 16V (Petrol)	TKS080	-	-	-	TMP037	
Giulietta	1.4	01/11	10/14	1.4L (940A2)	DOHC 16V (Petrol)	TKS062	-	-	-	TMP054	
Giulietta	1.7	01/11	10/14	1.7L (940A1)	DOHC 16V (Petrol)	TKS062	-	-	-	TMP054 TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
Giulietta	JTD - M (2.0D)	02/12	10/14	2.0L (940A4)	DOHC 16V (Diesel)	-	-	-	-	TMP076	
GT	2.0	11/04	07/10	2.0L (937A1)	DOHC 16V (Petrol)	TKS062	-	-	-	-	
GT	3.2 V6 24V	06/04	07/10	3.2L (936A0)	DOHC 24V (Petrol)	TKS079	-	-	TAF072	-	Check Knock Sensor illustrations for correct application
GTV	2.0	06/98	09/03	2.0L (AR32301)	DOHC 16V (Petrol)	TKS078	-	-	-	-	
GTV	JTS (2.0)	01/03	01/05	2.0L (937A1)	DOHC 16V (Petrol)	TKS062	-	-	TAF092	-	
GTV	V6 (3.0)	06/98	09/03	3.0L (AR16102)	DOHC 24V (Petrol)	TKS021 TKS060	TTH003	-	TAF142	-	TKS021 (400mm lead length), TKS060 (450mm lead length)
GTV	3.2 V6 24V	10/03	12/04	3.2L (936A0)	DOHC 24V (Petrol)	TKS079	-	-	TAF072	-	Check Knock Sensor illustrations for correct application
Mito	1.4 (Incl. Sport)	01/09	06/11	1.4L	DOHC 16V (Petrol)	TKS062	-	-	-	TMP054	TMP054 suits 35KGM type transmission
Spider	2.0	06/98	07/00	2.0L (AR16201)	DOHC 16V (Petrol)	TKS060	TTH003	-	-	-	

Make and Model	Year	Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Alfa Romeo cont.											
Spider	2.0 (Twin Spark)	06/98	09/03	2.0L (AR32301, AR32301)	DOHC 16V (Petrol)	TKS078	-	-	-	-	
Spider	JTS (2.0)	07/00	07/05	2.0L (937A1)	DOHC 16V (Petrol)	TKS062	-	-	TAF092	-	
Spider	JTS (2.2)	11/06	01/11	2.2L (939A5000)	DOHC 16V (Petrol)	TKS080	-	-	TAF129	-	
Spider	V6 (3.0)	06/01	09/03	3.0L (AR16105)	DOHC 24V (Petrol)	TKS079	-	-	TAF114	-	Check Knock Sensor illustrations for correct application
Spider	3.2 V6 24V	10/03	01/05	3.2L (936A0)	DOHC 24V (Petrol)	TKS079	-	-	TAF072	-	Check Knock Sensor illustrations for correct application
Spider	3.2 JTS V6	11/06	06/09	3.2L (939A0)	DOHC 24V (Petrol)	TKS080	-	-	-	TMP037	
Audi											
80	B4 (2.0)	01/92	01/95	2.0L (ABK)	SOHC 8V (Petrol)	TKS042	-	-	-	-	
80	B4 (2.3E)	08/92	09/93	2.3L (NG)	SOHC 10V (Petrol)	TKS043	-	-	-	-	
80	B4 (2.6E - 2.8E V6)	08/92	12/99	2.6L, 2.8L (ABC, AAH)	SOHC 12V (Petrol)	TKS043	-	-	-	-	
90	B3 (2.3)	01/89	07/92	2.3L (NG)	SOHC 10V (Petrol)	TKS043	-	-	-	-	
100	C3 (2.3)	01/88	03/91	2.3L (NF)	SOHC 15V (Petrol)	TKS043	-	-	-	-	
100	C4 (2.6E - 2.8E V6)	01/92	11/94	2.6L, 2.8L (ABC, AAH)	SOHC 12V (Petrol)	TKS042	-	-	-	-	
A1	8X (1.4)	06/11	10/14	1.4L (CAVG)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP018	
A1	8X (1.4)	12/10	06/11	1.4L (CAXA)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP005	
A1	8X (1.4)	06/11	10/14	1.4L (CAXA)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP058	
A1	8X (1.6 TDi)	11/11	10/14	1.6L (CAY)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP002	
A2	8Z (1.4)	01/01	01/03	1.4L (AMF)	SOHC 6V (Diesel)	TKS036	-	-	-	TMP005 TMP006	Check Manifold Absolute Pressure Sensor illustrations for correct application
A2	8Z (1.4)	01/01	01/03	1.4L (AUA)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP035	
A2	8Z (1.6)	01/03	01/04	1.6L (BAD)	DOHC 16V (Petrol)	TKS036	-	-	-	-	
A3	8P (1.4)	12/08	06/11	1.4L (CAXC)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP005	
A3	8P (1.4)	06/11	05/13	1.4L (CAXC)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP058	
A3	8L (1.6)	05/97	11/00	1.6L (AEH, AKL)	SOHC 8V (Petrol)	TKS074 TKS081	-	-	TAF025 TAF053	-	Check illustrations for correct application
A3	8L (1.6)	11/00	01/02	1.6L (AVU)	SOHC 8V (Petrol)	TKS100	-	-	TAF025	-	Check illustrations for correct application
A3	8L (1.6)	01/02	07/04	1.6L (BFQ)	SOHC 8V (Petrol)	TKS036	-	-	TAF025	-	Check illustrations for correct application
A3	8P (1.6)	07/04	03/11	1.6L (BGU, BSE)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP028	
A3	8P (1.6 TDi)	03/11	10/14	1.6L (CAY)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP002	
A3	8L (1.8)	05/97	05/01	1.8L (AGN)	DOHC 20V (Petrol)	TKS074 TKS081 TKS100 TKS104	-	-	TAF037 TAF053	-	Check illustrations for correct application
A3	8L (1.8)	02/98	11/00	1.8L (AGU)	DOHC 20V (Petrol)	TKS074 TKS081 TKS100 TKS104	-	-	TAF046 TAF076	TMP006	Check illustrations for correct application
A3	8L (1.8)	10/99	07/04	1.8L (APG)	DOHC 20V (Petrol)	TKS073 TKS100	-	-	TAF029	-	Check illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Audi cont.											
A3	8L (1.8)	11/00	07/04	1.8L (AUM, AUQ)	DOHC 20V (Petrol)	TKS036	-	-	TAF018	TMP005 TMP006	TMP006 to VIN no. 8L-3-090 000, TMP005 from VIN no. 8L-3-090 001
A3	8P (1.8)	01/07	10/08	1.8L (BYT, BZB)	DOHC 16V (Petrol)	TKS038	TTH031	-	TAF017	TMP004	
A3	8P (1.8)	01/09	10/14	1.8L (CDAA)	DOHC 16V (Petrol)	TKS038	TTH031	-	TAF148	TMP004	
A3	8P (1.9 TDi)	03/08	01/10	1.9L (BLS)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
A3	8P (2.0)	01/04	05/07	2.0L (AXW, BLR, BLX, BLY, BMB, BVY)	DOHC 16V (Petrol)	TKS036 TKS040	-	-	-	TMP028	Check Knock Sensor illustrations for correct application
A3	8P (2.0)	10/05	01/09	2.0L (AXX, BWA)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP004	TKS038 replaces Cyl. 1 & 2, TKS041 replaces Cyl. 3 & 4
A3	8P (2.0)	01/08	01/09	2.0L (CAWB)	DOHC 16V (Petrol)	TKS038	-	-	TAF017	TMP004	
A3	8P (2.0)	01/09	10/14	2.0L (CCZA)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	
A3	8P (2.0 TDi)	06/04	01/09	2.0L (BKD, BMN)	DOHC 16V (Diesel)	-	-	-	TAF007	TMP002	
A3	8P (2.0 TDi)	01/09	05/13	2.0L (CBAB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
A3	8P (2.0 TDi)	01/09	09/11	2.0L (CBB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP006	
A3	8P (2.0 TDi)	01/10	01/11	2.0L (CFF)	DOHC 16V (Diesel)	-	TTH031	-	TAF009	TMP018	
A3	8P (2.0 TDi)	10/11	10/14	2.0L (CLJ)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
A3	8P (3.2 V6)	08/04	09/05	3.2L (BDB)	DOHC 24V (Petrol)	TKS036	-	-	TAF019	-	Check illustrations for correct application
A3	8P (3.2 V6)	02/05	01/09	3.2L (BDB)	DOHC 24V (Petrol)	TKS083	-	-	-	-	
A3	8P (3.2 V6)	08/04	01/09	3.2L (BMJ, BUB)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check illustrations for correct application
A4	B5 (1.6)	01/95	12/97	1.6L (ADP)	SOHC 8V (Petrol)	TKS043	-	-	TAF049 TAF053	-	TAF049 to VIN no. 8D-T-400 000, TAF053 from VIN no. 8D-V-000 001
A4	B5 (1.6)	01/97	01/99	1.6L (AHL)	SOHC 8V (Petrol)	TKS043	-	-	TAF025 TAF053	-	TAF053 to VIN no. 8D-W-104 600, TAF025 from VIN No. 8D-W-104 601
A4	B5 (1.8)	08/95	05/99	1.8L (ADR)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF049 TAF053	-	Check illustrations for correct application
A4	B5 (1.8)	01/95	01/00	1.8L (AEB)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF046 TAF076	-	Check illustrations for correct application
A4	B5 (1.8)	01/99	07/02	1.8L (AJL)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF046	TMP006	Check illustrations for correct application
A4	B5 (1.8)	05/99	06/01	1.8L (APT)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF086	-	Check illustrations for correct application
A4	B5 (1.8)	05/99	07/01	1.8L (APU)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF018	TMP006	Check Knock Sensor illustrations for correct application
A4	B6 (1.8)	01/01	03/05	1.8L (AMB, AVJ, BEX, BFB)	DOHC 20V (Petrol)	TKS039 TKS059	-	-	TAF018	TMP004	Check Knock Sensor illustrations for correct application
A4	B7 (1.8)	03/05	08/08	1.8L (BFB)	DOHC 20V (Petrol)	TKS039 TKS059	-	-	TAF018	TMP004	Check Knock Sensor illustrations for correct application
A4	B8 (1.8)	09/08	06/12	1.8L (CABB)	DOHC 16V (Petrol)	TKS038	-	-	TAF017	-	
A4	B8 (1.8)	04/08	06/12	1.8L (CDHB)	DOHC 16V (Petrol)	TKS038	TTH031	-	TAF148	-	
A4	B6 - B7 (2.0)	07/01	03/05	2.0L (ALT)	DOHC 20V (Petrol)	TKS039 TKS059	-	-	TAF087	-	Check illustrations for correct application

Make and Model	Year		Engine		Part Number					Notes	
	Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Audi cont.											
A4	B6 - B7 (2.0)	03/05	08/08	2.0L (ALT)	DOHC 20V (Petrol)	TKS039 TKS059	-	-	TAF087	-	Check illustrations for correct application
A4	B7 (2.0)	03/05	08/08	2.0L (BGB)	DOHC 20V (Petrol)	TKS036	-	-	TAF011	TMP004	Check Air Flow Meter illustrations for correct application
A4	B7 (2.0)	03/05	08/09	2.0L (BUL, BWE)	DOHC (Petrol)	TKS036	-	-	TAF011	TMP004	
A4	B8 (2.0)	01/08	04/14	2.0L (CDNB, CDNC)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP057	
A4	B7 (2.0 TDi)	10/05	03/06	2.0L (BLB)	DOHC 16V (Diesel)	-	-	-	-	TMP002	
A4	B7 (2.0 TDi)	10/05	03/08	2.0L (BRE)	DOHC 16V (Diesel)	-	-	-	TAF007	TMP002	
A4	B8 (2.0 TDi)	03/08	10/14	2.0L (CAGA, CAGB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
A4	B5 (2.4 V6)	02/98	01/03	2.4L (AGA)	DOHC 30V (Petrol)	TKS042	-	-	TAF042	-	Check Air Flow Meter illustrations for correct application
A4	B5 (2.4 V6)	01/99	01/01	2.4L (APS)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF030	-	Check illustrations for correct application
A4	B6 (2.4 V6)	04/02	03/05	2.4L (BDV)	DOHC 30V (Petrol)	TKS039	-	-	TAF030	-	Check Air Flow Meter illustrations for correct application
A4	B5 (2.6 V6)	08/95	03/98	2.6L (ABC)	SOHC 12V (Petrol)	TKS042	-	-	-	-	
A4	B8 (2.7 TDi V6)	07/08	06/12	2.7L (CAMA)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP002	
A4	B8 (2.7 TDi V6)	07/08	06/12	2.7L (CGK)	DOHC 24V (Diesel)	-	TTH013	-	TAF149	TMP002	
A4	B5 (2.8 V6)	01/97	05/99	2.8L (ACK)	DOHC 30V (Petrol)	TKS042	-	-	TAF042	-	Check Air Flow Meter illustrations for correct application
A4	B5 (2.8 V6)	05/99	06/01	2.8L (APR)	DOHC 30V (Petrol)	TKS042	-	-	TAF030	-	Check Air Flow Meter illustrations for correct application
A4	B6 (3.0 V6)	01/01	03/05	3.0L (ASN, BBJ)	DOHC 30V (Petrol)	TKS039	-	-	TAF026	-	Check Air Flow Meter illustrations for correct application
A4	B7 (3.0 TDi V6)	01/05	03/08	3.0L (ASB, BKN)	DOHC 24V (Diesel)	-	-	-	TAF021	TMP002	
A4	B8 (3.0 TDi V6)	10/08	06/12	3.0L (CCWA)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP002	
A4	B7 (3.2 V6)	03/05	08/09	3.2L (AUK)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	Check illustrations for correct application
A4	B8 (3.2 V6)	04/08	06/12	3.2L (CALA)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	TKS038 replaces Cyl. 1-3, TKS096 replaces Cyl. 4-6
A5	8T (2.0)	05/09	01/13	2.0L (CDNB, CDNC)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP057	
A5	8T (3.0 TDi V6)	10/08	02/12	3.0L (CCWA)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP002	
A5	8T (3.2 V6)	10/07	02/12	3.2L (CALA)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	TKS038 replaces Cyl. 1-3, TKS096 replaces Cyl. 4-6
A6	C6 (2.0)	09/06	02/08	2.0L (BPJ)	DOHC 16V (Petrol)	TKS036	-	-	TAF011	TMP004	
A6	C6 (2.0 TDi)	07/09	02/11	2.0L (CAH)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
A6	C7 (2.0)	10/11	10/14	2.0L (CDNB)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP057	
A6	C7 (2.0 TDi)	10/11	10/14	2.0L (CGLC)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
A6	C5 (2.4 V6)	11/97	12/01	2.4L (AGA)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF042	-	Check illustrations for correct application
A6	C5 (2.4 V6)	01/99	01/01	2.4L (APS)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF030	-	Check illustrations for correct application
A6	C5 (2.4 V6)	02/02	09/04	2.4L (BDV)	DOHC 30V (Petrol)	TKS039	-	-	TAF030	-	Check Air Flow Meter illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Audi cont.											
A6	C6 (2.4 V6)	11/04	10/07	2.4L (BDW)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	Check illustrations for correct application
A6	C5 (2.7 V6)	02/02	03/04	2.7L (ARE)	DOHC 30V (Petrol)	TKS093	-	-	-	-	Check illustrations for correct application
A6	C6 (2.7 TDi V6)	01/06	01/08	2.7L (BPP)	DOHC 24V (Diesel)	-	-	-	TAF021 TAF149	TMP005	Check Air Flow Meter illustrations for correct application
A6	C6 (2.7 TDi V6)	07/09	06/11	2.7L (CAN)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP002	
A6	C4 - C5 (2.8 V6)	01/97	01/02	2.8L (ACK)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF042	-	Check illustrations for correct application
A6	C5 (2.8 V6)	01/99	01/01	2.8L (APR)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF030	-	Check illustrations for correct application
A6	C6 (2.8 V6)	11/07	06/11	2.8L (BDX, CCEA)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	Check Knock Sensor illustrations for correct application
A6	C7 (2.8 V6)	07/11	10/14	2.8L (CHVA)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	TKS038 replaces Cyl. 1-3, TKS096 replaces Cyl. 4-6
A6	C5 (3.0 V6)	01/01	01/04	3.0L (ASN)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF026	-	Check illustrations for correct application
A6	C5 - C6 (3.0 V6)	02/02	05/05	3.0L (BBJ)	DOHC 30V (Petrol)	TKS039	-	-	TAF026	-	Check Air Flow Meter illustrations for correct application
A6	C6 (3.0 V6)	03/09	06/11	3.0L (CAJA)	DOHC 24V (Petrol)	TKS038 TKS096	-	-	-	TMP011	Check illustrations for correct application
A6	C6 (3.0 TDi V6)	11/04	02/09	3.0L (ASB, BMK)	DOHC 24V (Diesel)	-	-	-	TAF021 TAF149	TMP005	TAF021 to VIN no. 4F-8-176 910, TAF149 from VIN no. 4F-8-176 911
A6	C6 (3.0 TDi V6)	03/09	06/11	3.0L (CDY)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP002	
A6	C7 (3.0 TDi V6)	07/11	10/14	3.0L (CDU)	DOHC 24V (Diesel)	-	-	-	TAF021 TAF149	TMP018	Check illustrations for correct application
A6	C6 (3.2 V6)	06/05	01/09	3.2L (AUK)	DOHC 24V (Petrol)	TKS038 TKS096	-	-	-	TMP011	Check Knock Sensor illustrations for correct application
A6	C5 (4.2 V8)	01/99	01/02	4.2L (ANK, ARS)	DOHC 40V (Petrol)	TKS043	-	-	-	-	
A6	C5 (4.2 V8)	04/00	03/04	4.2L (ASG)	DOHC 32V (Petrol)	TKS043	-	-	TAF051	-	Check Air Flow Meter illustrations for correct application
A6	C6 (4.2 V8)	11/04	02/09	4.2L (BAT)	DOHC 40V (Petrol)	TKS098 TKS109	-	-	TAF051	-	Check illustrations for correct application
A6	C6 (4.2 V8)	01/06	01/08	4.2L (BVJ)	DOHC 32V (Petrol)	TKS098 TKS109	TTH013	-	TAF051	-	Check illustrations for correct application
A7	4G (3.0 V6)	03/11	10/14	3.0L (CGWB)	DOHC 24V (Petrol)	-	-	-	-	TMP011	TMP011 replaces rear unit
A7	4G (3.0 TDi V6)	03/11	10/14	3.0L (CDU)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP018	
A8	D2 (2.8 V6)	05/95	12/96	2.8L (AAH)	SOHC 12V (Petrol)	TKS042	-	-	-	-	
A8	D2 (2.8 V6)	05/95	12/96	2.8L (ACK)	DOHC 30V (Petrol)	TKS042	-	-	TAF042	-	Check Air Flow Meter illustrations for correct application
A8	D3 (3.0 TDi V6)	04/08	08/10	3.0L (ASB)	DOHC 24V (Diesel)	-	-	-	TAF021	TMP005	
A8	D3 (3.2 V6)	11/06	08/10	3.2L (BPK)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	Check illustrations for correct application
A8	D2 (3.7 V8)	01/97	06/00	3.7L (AEW)	DOHC 32V (Petrol)	TKS043	-	-	-	-	
A8	D3 (3.7 V8)	08/03	10/06	3.7L (BFL)	DOHC 40V (Petrol)	-	-	-	TAF051	-	Check Air Flow Meter illustrations for correct application

Make and Model	Year	Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Audi cont.											
A8	D2 (4.2 V8)	05/95	12/02	4.2L (ABZ, AQF)	DOHC (Petrol)	TKS043	-	-	-	-	
A8	D3 (4.2 V8)	08/03	07/05	4.2L (BFM)	DOHC 40V (Petrol)	-	-	-	TAF051	-	Check Air Flow Meter illustrations for correct application
A8	D3 (4.2 V8)	08/05	11/08	4.2L (BVJ)	DOHC 32V (Petrol)	TKS098	TTH013	-	TAF021	TMP005	TKS098 replaces Cyl. 1,2 & 5,6
A8	D3 (4.2 V8)	11/08	08/10	4.2L (BVJ)	DOHC 32V (Petrol)	TKS098	-	-	TAF021	TMP005	TKS098 replaces Cyl. 1,2 & 5,6
A8	D3 (4.2 V8)	01/06	08/10	4.2L (BVN)	DOHC 40V (Diesel)	-	TTH013	-	-	TMP002	
A8	D4 (4.2 V8)	09/10	04/13	4.2L (CDRA)	DOHC 32V (Petrol)	TKS098	-	-	-	TMP011	TKS098 replaces Cyl. 1,2 & 5,6
A8	D4 (4.2 V8)	09/10	10/14	4.2L (CDSB)	DOHC 32V (Diesel)	-	-	-	-	TMP002	
Allroad Quattro	C5 (2.5 TDi V6)	01/00	01/05	2.5L (AKE, BAU)	DOHC (Diesel)	-	-	-	-	TMP103	
Allroad Quattro	C5 (2.7 V6)	02/01	12/06	2.7L (ARE)	DOHC 30V (Petrol)	TKS093	-	-	TAF026	TMP006	Check illustrations for correct application
Allroad Quattro	C5 (2.7 V6)	02/01	12/06	2.7L (BES)	DOHC 30V (Petrol)	TKS039	-	-	TAF026	TMP006	Check illustrations for correct application
Allroad Quattro	C5 (4.2 V8)	12/03	12/05	4.2L (BAS)	DOHC 40V (Petrol)	TKS108 TKS109	-	-	TAF051	TMP103	Check illustrations for correct application
Cabriolet	B4 (2.6 V6)	01/94	01/99	2.6L (ABC)	SOHC 12V (Petrol)	TKS043	-	-	-	-	
Q5	8R (2.0)	03/09	09/12	2.0L (CDNC)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP057	
Q5	8R (2.0 TDi)	01/09	09/10	2.0L (CAH)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
Q5	8R (2.0 TDi)	10/10	10/14	2.0L (CGLB)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Q5	8R (3.0 TDi V6)	03/09	09/12	3.0L (CCWA)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP002	
Q5	8R (3.2 V6)	03/09	10/14	3.2L (CALB)	DOHC 24V (Petrol)	TKS038 TKS096	TTH013	-	-	TMP011	TKS038 replaces Cyl. 1-3, TKS096 replaces Cyl. 4-6
Q7	4L (3.0 V6)	10/10	10/14	3.0L (CJTB)	DOHC 24V (Petrol)	TKS038 TKS096	-	-	-	TMP011	Check illustrations for correct application
Q7	4L (3.0 TDi V6)	09/06	09/10	3.0L (BUG, CASA)	DOHC 24V (Diesel)	-	-	-	TAF021 TAF149	TMP002	Check Air Flow Meter illustrations for correct application
Q7	4L (3.0 TDi V6)	10/10	09/11	3.0L (CJGA)	DOHC 24V (Diesel)	-	-	-	TAF149	-	
Q7	4L (3.0 TDi V6)	10/11	10/14	3.0L (CRC)	DOHC 24V (Diesel)	-	-	-	-	TMP002	
Q7	4L (3.6 V6)	09/06	09/10	3.6L (BHK)	DOHC 24V (Petrol)	TKS036	-	-	-	-	TKS036 replaces Cyl. 4-6
Q7	4L (4.2 V8)	09/06	11/08	4.2L (BAR)	DOHC 32V (Petrol)	TKS098	TTH013	-	TAF029	-	Check illustrations for correct application
Q7	4L (4.2 V8)	11/08	09/10	4.2L (BAR)	DOHC 32V (Petrol)	TKS098	-	-	TAF029	-	Check illustrations for correct application
Q7	4L (4.2 TDi V8)	01/08	10/09	4.2L (BTR)	DOHC 32V (Diesel)	-	-	-	TAF017	TMP002	
Q7	4L (4.2 TDi V8)	01/09	07/10	4.2L (CCFA)	DOHC 32V (Diesel)	-	-	-	TAF148	TMP002	
Q7	4L (4.2 TDi V8)	07/10	09/10	4.2L (CCFA)	DOHC 32V (Diesel)	-	-	-	TAF148	TMP018	
Q7	4L (6.0 TDi V12)	11/09	10/14	6.0L (CCGA)	DOHC 48V (Diesel)	-	-	-	TAF148	TMP002	
R8	(4.2 V8)	01/07	01/10	4.2L (BYH)	DOHC 32V (Petrol)	TKS098	TTH013	-	-	-	TKS098 replaces Cyl. 1,2 & 5,6
R8	Spyder (4.2 V8)	05/12	10/14	4.2L (BYH)	DOHC 32V (Petrol)	TKS098	-	-	-	-	
R8	(5.2 V10)	08/09	10/14	5.2L (CMPA, BUJ)	DOHC 40V (Petrol)	TKS038 TKS096	-	-	-	-	Check Knock Sensor illustrations for correct application
RS4	B5 (2.7 V6)	11/00	07/01	2.7L (ASJ)	DOHC 30V (Petrol)	TKS093	-	-	-	TMP006	
RS4	B7 (4.2 V8)	05/06	09/08	4.2L (BNS)	DOHC 32V (Petrol)	TKS098 TKS109	TTH013	-	-	-	Check Knock Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Audi cont.											
RS5	8T (4.2 V8)	10/10	10/14	4.2L (CFSA)	DOHC 32V (Petrol)	TKS098 TKS108	-	-	-	TMP011	TKS098 replaces Cyl. 5 & 6, TKS108 replaces Cyl. 7 & 8
RS6	C5 (4.2 V8)	10/03	01/05	4.2L (BCY)	DOHC 40V (Petrol)	TKS043	-	-	TAF050	TMP006	Check Air Flow Meter illustrations for correct application
RS6	C6 (5.0 V10)	10/08	10/10	5.0L (BUH)	DOHC 40V (Petrol)	TKS096 TKS098 TKS108	-	-	-	TMP005	Check illustrations for correct application
S3	8L (1.8)	12/99	11/00	1.8L (APY)	DOHC 20V (Petrol)	TKS081 TKS100 TKS104	-	-	TAF070	TMP006	Check illustrations for correct application
S3	8L (1.8)	11/00	06/05	1.8L (AMK, BAM)	DOHC 20V (Petrol)	TKS036	-	-	TAF050	TMP004 TMP006	Check illustrations for correct application
S3	8P (2.0)	01/07	10/14	2.0L (BHZ, BZC, CDLC)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP002	TKS038 replaces Cyl. 1 & 2, TKS041 replaces Cyl. 3 & 4
S4	B5 (2.7 V6)	01/99	08/03	2.7L (AGB, AZB)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF026 TAF037	-	Check illustrations for correct application
S4	B8 (3.0 V6)	05/09	06/12	3.0L (CAKA)	DOHC 24V (Petrol)	TKS038 TKS096	-	-	-	TMP011	Check illustrations for correct application
S4	B6 - B7 (4.2 V8)	10/03	09/08	4.2L (BBK)	DOHC 40V (Petrol)	TKS098 TKS108 TKS109	-	-	-	-	Check illustrations for correct application
S5	8T (3.0 V6)	12/09	02/12	3.0L (CAKA)	DOHC 24V (Petrol)	TKS038 TKS096	-	-	-	TMP011	Check illustrations for correct application
S5	8T (4.2 V8)	10/07	11/08	4.2L (CAUA)	DOHC 32V (Petrol)	TKS098	TTH013	-	-	-	TKS098 replaces Cyl. 1, 2 & 5,6
S5	8T (4.2 V8)	11/08	02/12	4.2L (CAUA)	DOHC 32V (Petrol)	TKS098	-	-	-	-	TKS098 replaces Cyl. 1, 2 & 5,6
S6	C5 (4.2 V8)	01/00	12/04	4.2L (ANK, AQJ)	DOHC 40V (Petrol)	TKS043	-	-	-	-	
S6	C6 (5.2 V10)	01/06	09/11	5.2L (BXA)	DOHC 40V (Petrol)	TKS108	TTH013	-	-	-	Check Knock Sensor illustrations for correct application
S8	D2 (4.2 V8)	01/98	01/99	4.2L (AHC)	DOHC 32V (Petrol)	TKS043	-	-	-	-	
S8	D3 (4.2 V10)	01/06	01/07	5.2L (BSM)	DOHC 40V (Petrol)	TKS108	TTH013	-	-	-	TKS108 replaces Cyl. 9-10
TT	8N (1.8)	10/99	08/05	1.8L (APX)	DOHC 20V (Petrol)	TKS074 TKS081 TKS100 TKS104	-	-	TAF070	TMP004 TMP006	Check illustrations for correct application
TT	8N (1.8)	10/99	10/06	1.8L (BAM)	DOHC 20V (Petrol)	TKS036	-	-	TAF050	TMP004 TMP006	Check illustrations for correct application
TT	8N (1.8)	01/99	01/00	1.8L (AJQ)	DOHC 20V (Petrol)	TKS074 TKS081 TKS100 TKS104	-	-	TAF098	TMP006	Check illustrations for correct application
TT	8N (1.8)	01/00	01/01	1.8L (APP)	DOHC 20V (Petrol)	TKS081 TKS100	-	-	TAF018	TMP006	Check Knock Sensor illustrations for correct application
TT	8N (1.8)	01/01	01/06	1.8L (ARY, AUQ)	DOHC 20V (Petrol)	TKS036	-	-	TAF018	TMP004 TMP006	TMP006 to VIN no. 8N-3-050 000, TMP004 from VIN no. 8N-4-000 001
TT	8N (1.8)	01/05	10/06	1.8L (AUM, BVP, BVR)	DOHC 20V (Petrol)	TKS036	-	-	TAF018	TMP004 TMP006	TMP006 to VIN no. 8N-3-050 000, TMP004 from VIN no. 8N-4-000 001

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Audi cont.											
TT	8J (1.8)	07/09	10/14	1.8L (CDAA)	DOHC 16V (Petrol)	TKS038	TTH031	-	TAF148	TMP004	Check Throttle Position Sensor illustrations for correct application
TT	8J (2.0)	11/06	10/10	2.0L (BWA)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP004	TKS038 replaces Cyl. 1 & 2, TKS041 replaces Cyl. 3 & 4
TT	8J (2.0)	07/09	10/10	2.0L (CCZA)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	
TT	8J (2.0)	11/10	10/14	2.0L (CESA)	DOHC 16V (Petrol)	TKS038	-	-	-	TMP057	Check Manifold Absolute Pressure Sensor illustrations for correct application
TT	8J (2.0 TDi)	07/09	10/10	2.0L (CBBB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
TT	8J (2.0 TDi)	11/10	10/14	2.0L (CFG)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
TT	8N (3.2 V6)	12/04	10/06	3.2L (BPF)	DOHC 24V (Petrol)	TKS036	-	-	TAF019	-	Check Air Flow Meter illustrations for correct application
TT	8N (3.2 V6)	01/04	07/05	3.2L (BHE)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check illustrations for correct application
TT	8J (3.2 V6)	11/06	05/10	3.2L (BUB)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check illustrations for correct application
TT RS	8J (2.5)	12/09	10/14	2.5L (CEPA)	DOHC 20V (Petrol)	-	-	-	-	TMP002	
TTS	8J (2.0)	07/08	10/14	2.0L (CDLB)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	-	TMP002	TKS038 replaces Cyl. 1 & 2, TKS041 replaces Cyl. 3 & 4
BMW											
116i	E87	01/04	02/08	1.6L (N45B16)	DOHC 16V (Petrol)	TKS045	-	-	TAF043	-	
116i	F20	10/11	10/14	1.6L (N13B16A)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP047	
118i	E87	09/04	02/07	2.0L (N46B20)	DOHC 16V (Petrol)	TKS045	-	-	TAF023	-	
118i	E87	03/07	09/11	2.0L (N46B20)	DOHC 16V (Petrol)	TKS045	-	-	-	-	
118i	E87 - E88	01/09	10/14	2.0L (N43B20)	DOHC 16V (Petrol)	TKS045	-	-	TAF023	-	
118i	F20	10/11	10/14	1.6L (N13B16A)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP047	
118d	E87 - E88	01/07	10/14	2.0L (N47D20)	DOHC 16V (Diesel)	-	-	-	TAF024 TAF027	TMP009	Check Air Flow Meter illustrations for correct application
118d	F20	10/11	10/14	2.0L (N47D20C)	DOHC 16V (Diesel)	-	-	-	-	TMP009	
120i	E87	09/04	02/07	2.0L (N46B20)	DOHC 16V (Petrol)	TKS045	-	-	TAF023	-	
120i	E82 - E88	03/07	10/14	2.0L (N43B20)	DOHC 16V (Petrol)	TKS045	-	-	TAF023	-	
120d	E87	05/06	02/07	2.0L (M47TUD20)	DOHC 16V (Diesel)	-	-	-	TAF020	TMP064	
120d	E87	03/07	10/10	2.0L (N47TU2D20)	DOHC 16V (Diesel)	-	-	-	TAF024	TMP009	
123d	E82 - E88	01/08	10/14	2.0L (N47D20)	DOHC 16V (Diesel)	-	-	-	TAF024 TAF027	TMP009	Check Air Flow Meter illustrations for correct application
125i	E82 - E88	01/08	10/14	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
130i	E87	11/05	02/07	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF022	-	
130i	E87	03/07	10/10	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
135i	E82 - E88	01/08	10/14	3.0L (N54B30)	DOHC 24V (Petrol)	TKS046	-	-	-	TMP023	Check Manifold Absolute Pressure Sensor illustrations for correct application
316i	E36	01/94	09/95	1.6L (M43B16)	SOHC 8V (Petrol)	TKS116	TTH017	-	-	-	
316i	E36	09/95	04/99	1.6L (M43B16)	SOHC 8V (Petrol)	TKS082	TTH017	-	-	-	
316i	E36	01/94	01/97	1.8L (M43B18)	SOHC 8V (Petrol)	TKS045	TTH017	-	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
BMW cont.											
316i	E36	04/99	05/01	1.9L (M43B19)	SOHC 8V (Petrol)	TKS045	-	-	TAF088	-	
316Ti	E46	10/01	07/05	1.8L (N42B18)	DOHC 16V (Petrol)	TKS045	-	-	TAF043	-	
318i	E36	04/91	05/96	1.8L (M40B18)	SOHC 8V (Petrol)	-	TTH017	-	-	-	
318i	E36	01/94	09/95	1.8L (M43B18)	SOHC 8V (Petrol)	TKS116	TTH017	-	-	-	
318i	E36	09/95	10/99	1.8L (M43B18)	SOHC 8V (Petrol)	TKS082	TTH017	-	-	-	
318i, 318Ci	E46	09/98	01/02	1.9L (M43TUB19)	SOHC 16V (Petrol)	TKS045	-	-	TAF088	-	
318i, 318Ci, 318Ti	E46	01/01	01/06	2.0L (N42, N46)	DOHC 16V (Petrol)	TKS045	-	-	TAF043	-	
318iS	E30	07/90	03/91	1.8L (M42B18)	DOHC 16V (Petrol)	-	TTH017	-	-	-	
318iS	E36	06/93	12/96	1.8L (M42B18)	DOHC 16V (Petrol)	TKS130	TTH017	-	-	-	
318iS	E36	06/96	10/99	1.9L (M44B19)	DOHC 16V (Petrol)	TKS082	TTH017	-	-	-	
318Ti	E36	01/93	01/96	1.8L (M42B18)	DOHC 16V (Petrol)	TKS130	TTH017	-	-	-	
318Ti	E36	06/96	12/99	1.9L (M44B19)	DOHC 16V (Petrol)	TKS082	TTH017	-	-	-	
320i	E36	04/91	11/95	2.0L (M50B20)	DOHC 24V (Petrol)	-	TTH017	-	-	-	
320i, 320Ci	E46	01/98	05/07	2.0L, 2.2L (M52, M54)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
320i	E90 - E93	01/05	09/12	2.0L (N46B20)	DOHC 16V (Petrol)	TKS045	-	-	TAF023	-	
320d	E46	01/99	01/02	2.0L (M47D20)	DOHC 16V (Diesel)	-	-	-	TAF078	TMP089	Check Air Flow Meter illustrations for correct application
320d	E46	01/02	01/05	2.0L (M47D20)	DOHC 16V (Diesel)	-	-	-	TAF078	TMP064	
320d	E90 - E91	01/05	01/08	2.0L (M47D20)	DOHC 16V (Diesel)	-	-	-	TAF020	TMP064	
320d	E90 - E93	01/07	04/10	2.0L (N47D20)	DOHC 16V (Diesel)	-	-	-	TAF024 TAF027	TMP009	Check Air Flow Meter illustrations for correct application
320d	E90 - E93	04/10	10/14	2.0L (N47D20C)	DOHC 16V (Diesel)	-	-	-	-	TMP009	
320d	F30 - F31	02/12	10/14	2.0L (N47D20C)	DOHC 16V (Diesel)	-	-	-	-	TMP009	
323i	E21 - E30	06/79	01/86	2.3L (M20B23)	SOHC 12V (Petrol)	-	TTH029	-	-	-	
323i	E36	01/96	08/98	2.5L (M52B25)	DOHC 24V (Petrol)	TKS086	TTH017	-	TAF047	-	Check Throttle Position Sensor illustrations for correct application
323i, 323Ci	E46	09/98	10/00	2.5L (M52B25)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
323i, 323Ci	E90 - E92	01/05	10/14	2.5L (N52B25)	DOHC 24V (Petrol)	TKS047	-	-	TAF013 TAF022	-	Check illustrations for correct application
325e	E30	01/86	12/87	2.7L (M20B27)	SOHC 12V (Petrol)	-	TTH029	-	-	-	
325i	E36	12/93	05/95	2.5L (M50B25)	DOHC 24V (Petrol)	-	TTH017	-	-	-	Check Throttle Position Sensor illustrations for correct application
325i, 325Ci, 325Ti	E46	01/00	02/07	2.5L (M54B25)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
325i	E90 - E93	01/05	10/14	2.5L (N52B25)	DOHC 24V (Petrol)	TKS047	-	-	TAF013 TAF022	-	Check Air Flow Meter illustrations for correct application
325d	E90	01/09	01/12	3.0L (N57D30)	DOHC 24V (Diesel)	-	-	-	-	TMP009	
328i	E36	01/95	09/00	2.8L (M52B28)	DOHC 24V (Petrol)	TKS086	TTH017	-	TAF047	-	
328i, 328Ci	E46	09/98	10/00	2.8L (M52B28)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
330i, 330Ci	E46	09/00	02/07	3.0L (M54B30)	DOHC 24V (Petrol)	TKS045	-	-	TAF031	-	
330i	E90 - E91	05/05	09/05	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF022	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
BMW cont.											
330i	E90 - E91	09/05	01/08	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
330d	E46	01/00	01/02	3.0L (M57D30)	DOHC 24V (Diesel)	-	-	-	TAF078	TMP089	
330d	E46	01/03	01/05	3.0L (M57D30)	DOHC 24V (Diesel)	-	-	-	TAF020	TMP064	Check Manifold Absolute Pressure Sensor illustrations for correct application
330d	E90 - E91	01/05	01/08	3.0L (M57D30)	DOHC 24V (Diesel)	-	-	-	TAF020	-	
330d	E90 - E93	06/09	10/14	3.0L (N57D30)	DOHC 24V (Diesel)	-	-	-	-	TMP009	
335i	E90 - E93	10/06	03/10	3.0L (N54B30A)	DOHC 24V (Petrol)	TKS046 TKS047	-	-	-	TMP023	Check illustrations for correct application
335i	E90 - E93	04/10	10/14	3.0L (N55B30A)	DOHC 24V (Petrol)	TKS046	-	-	-	-	
335i	F30	02/12	10/14	3.0L (N55B30A)	DOHC 24V (Petrol)	TKS046	-	-	-	-	
335d	E90 - E92	01/07	10/14	3.0L (N57D30)	DOHC 24V (Diesel)	-	-	-	TAF028 TAF032	-	Check Air Flow Meter illustrations for correct application
520i	E34	11/90	03/96	2.0L (M50B20)	DOHC 24V (Petrol)	-	TTH017	-	-	-	
520i	E39 (2.0)	01/96	09/98	2.0L (M52B20)	DOHC 24V (Petrol)	TKS086	TTH017	-	-	-	Check Throttle Position Sensor illustrations for correct application
520i	E39 (2.0)	09/98	01/00	2.0L (M52B20)	DOHC 24V (Petrol)	TKS045	-	-	-	-	
520i	E39 (2.2)	01/00	01/05	2.2L (M54B22)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
520d	E60	12/07	06/10	2.0L (N47TU2D20)	DOHC 16V (Diesel)	-	-	-	TAF028 TAF032	TMP009	Check Air Flow Meter illustrations for correct application
520d	F10, F11	06/10	10/14	2.0L (N47TU2D20)	DOHC 16V (Diesel)	-	-	-	-	TMP009	
523i	E39	04/96	09/98	2.5L (M52B25)	DOHC 24V (Petrol)	TKS086	TTH017	-	TAF047	-	
523i	E39	09/98	11/00	2.5L (M52B25)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
523i	E60	03/07	06/10	2.5L (N52B25)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
525i	E34	11/90	03/96	2.5L (M50B25)	DOHC 24V (Petrol)	-	TTH017	-	-	-	
525i	E39	01/01	10/03	2.5L (M54B25)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
525i	E60	09/03	05/05	2.5L (M54B25)	DOHC 24V (Petrol)	TKS047	-	-	-	-	
525i	E60	01/04	01/08	2.5L (N52B25)	DOHC 24V (Petrol)	TKS047	-	-	TAF013 TAF022	-	Check Air Flow Meter illustrations for correct application
525d	E60	01/07	06/10	3.0L (M57D30)	DOHC 24V (Diesel)	-	-	-	TAF020	-	
528i	E39	04/96	09/98	2.8L (M52B28)	DOHC 24V (Petrol)	TKS086	TTH017	-	TAF047	-	
528i	E39	09/98	11/00	2.8L (M52B28)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
528i	F10	06/10	10/11	3.0L (N53B30)	DOHC 24V (Petrol)	TKS047	-	-	-	-	
530i	E34	04/93	03/96	3.0L (M60B30)	DOHC 32V (Petrol)	-	TTH017	-	-	-	
530i	E39	01/01	04/04	3.0L (M54B30)	DOHC 24V (Petrol)	TKS045	-	-	TAF031	-	
530i	E60	09/03	05/05	3.0L (M54B30)	DOHC 24V (Petrol)	TKS045	-	-	TAF022	-	
530i	E60 - E61	03/05	01/08	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF013 TAF022	-	Check Air Flow Meter illustrations for correct application
530d	E39	01/00	01/03	3.0L (M57D30)	DOHC 24V (Diesel)	-	-	-	TAF078	TMP089	
530d	E60 - E61	01/03	06/10	3.0L (M57)	DOHC 24V (Diesel)	-	-	-	TAF020	TMP064	Check Manifold Absolute Pressure Sensor illustrations for correct application
530d GT	F07 GT	02/10	01/13	3.0L (N57D30)	DOHC 24V (Diesel)	-	-	-	-	TMP009	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
BMW cont.											
535i	E39	10/96	10/03	3.5L (M62B35)	DOHC 32V (Petrol)	-	TTH017	-	-	-	
535i	F10 - F11, F07 GT	02/10	10/14	3.0L (N55)	DOHC 24V (Petrol)	TKS046	-	-	-	-	
535d	E60 - E61	01/05	08/10	3.0L (M57D30)	DOHC 24V (Diesel)	-	-	-	TAF028 TAF032	-	Check Air Flow Meter illustrations for correct application
535d	F10	10/10	01/13	3.0L (N57D30B)	DOHC 24V (Diesel)	-	-	-	-	TMP009	
540i	E34	04/93	03/96	4.0L (M60B40)	DOHC 24V (Petrol)	-	TTH017	-	-	-	
540i	E39	10/96	09/98	4.4L (M62B44)	DOHC 32V (Petrol)	-	TTH017	-	-	-	
540i	E39	09/98	10/03	4.4L (M62B44)	DOHC 32V (Petrol)	-	-	-	TAF103	-	
550i	F10, F07 GT	02/10	01/13	4.4L (N63B44)	DOHC 32V (Petrol)	-	-	-	-	TMP023	
640i	F12 - F13	08/11	10/14	3.0L (N55B30)	DOHC 24V (Petrol)	TKS046	-	-	-	-	
728i	E38	01/95	01/98	2.8L (M52B28)	DOHC 24V (Petrol)	TKS086	-	-	TAF047	-	
728i	E38	01/98	01/01	2.8L (M52B28)	DOHC 24V (Petrol)	TKS045	-	-	TAF047	-	
730i, 730iL	E32 - E38	11/92	05/96	3.0L (M60B30)	DOHC 32V (Petrol)	-	TTH017	-	-	-	
730Ld	E66	01/07	01/08	3.0L (M57TU2D30)	DOHC 24V (Diesel)	-	-	-	TAF020	-	
730d	F01	05/09	10/14	3.0L (N57D30)	DOHC 24V (Diesel)	-	-	-	-	TMP009	
735i, 735iL	E32	03/87	11/92	3.4L (M30B35)	SOHC 12V (Petrol)	-	TTH017	-	-	-	
735i, 735iL	E38	08/96	01/02	3.5L (M62B35)	DOHC 32V (Petrol)	-	TTH017	-	-	-	
740i, 740iL	E32 - E38	11/92	09/98	4.0L, 4.4L (M60, M62)	DOHC 32V (Petrol)	-	TTH017	-	-	-	
740i, 740Li	F01 - F02	03/09	09/12	3.0L (N54B30)	DOHC 24V (Petrol)	TKS046	-	-	-	TMP023	Check Manifold Absolute Pressure Sensor illustrations for correct application
750i, 750Li	F01 - F02	03/09	09/12	4.4L (N63B44)	DOHC 32V (Petrol)	-	-	-	-	TMP023	
760Li	F02	12/09	10/14	6.0L (N74B60)	DOHC 48V (Petrol)	-	-	-	-	TMP023	
840Ci	E31	08/96	06/00	4.4L (M62B44)	DOHC 32V (Petrol)	-	TTH017	-	-	-	
M1	E82	06/11	10/14	3.0L (N54B30)	DOHC 24V (Petrol)	TKS046	-	-	-	TMP023	
M3	E36	01/93	06/00	3.0L, 3.2L (S50)	DOHC 24V (Petrol)	TKS075	-	-	-	-	
M5	E34	07/90	05/93	3.5L (S38B36)	DOHC 24V (Petrol)	-	TTH029	-	-	-	
X1	E84 (sDRIVE 18i)	04/10	08/12	2.0L (N46B20B)	DOHC 16V (Petrol)	TKS045	-	-	TAF023	-	
X1	E84 (xDRIVE 20d, 23d)	04/10	10/14	2.0L (N47)	DOHC 16V (Diesel)	-	-	-	TAF024 TAF027	TMP009	Check Air Flow Meter illustrations for correct application
X3	E83 (2.0d)	01/05	01/07	2.0L (M47TUD20)	DOHC 16V (Diesel)	-	-	-	TAF020	TMP064	
X3	E83 (20d, xDRIVE 20d)	12/07	02/11	2.0L (N47D20)	DOHC 16V (Diesel)	-	-	-	TAF028 TAF032	TMP009	Check Air Flow Meter illustrations for correct application
X3	E83 (2.5i)	07/04	11/06	2.5L (M54B25)	DOHC 24V (Petrol)	TKS045	-	-	TAF102	-	
X3	E83 (2.5si, xDRIVE 25i)	12/06	02/11	2.5L (M54B25)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
X3	E83 (3.0i)	06/04	11/06	3.0L (M54B30)	DOHC 24V (Petrol)	TKS045	-	-	-	-	
X3	E83 (3.0si, xDRIVE 30i)	12/06	02/11	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
X3	E83 (3.0d, 3.0sd, xDRIVE 30d, 35d)	11/05	02/11	3.0L (M57)	DOHC 24V (Diesel)	-	-	-	TAF028 TAF032	-	Check Air Flow Meter illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
BMW cont.											
X5	E53 (3.0i)	03/01	02/07	3.0L (M54B30)	DOHC 24V (Petrol)	TKS045	-	-	TAF031	-	
X5	E53 (3.0d)	01/01	12/03	3.0L (M57D30)	DOHC 24V (Diesel)	-	-	-	TAF078	TMP089	
X5	E53 (3.0d)	01/04	02/07	3.0L (M57TUD30)	DOHC 24V (Diesel)	-	-	-	TAF020	TMP064	
X5	E53 (4.4 - 4.6)	11/00	12/03	4.4L, 4.6L (M62)	DOHC 32V (Petrol)	-	-	-	TAF103	-	
X5	E70 (3.0si, xDRIVE 3.0si)	02/07	05/10	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
X5	E70 (xDRIVE 35i)	05/10	09/13	3.0L (N55B30A)	DOHC 24V (Petrol)	TKS046	-	-	-	-	
X5	E70 (3.0d)	03/07	10/08	3.0L (M57TU2D30)	DOHC 24V (Diesel)	-	-	-	TAF020	-	
X5	E70 (3.0sd)	01/08	10/08	3.0L (M57TU2D30)	DOHC 24V (Diesel)	-	-	-	TAF028 TAF032	-	Check Air Flow Meter illustrations for correct application
X5	E70 (xDRIVE 30d)	11/08	05/10	3.0L (M57TU2D30)	DOHC 24V (Diesel)	-	-	-	-	TMP009	
X5	E70 (xDRIVE 35d, 40d)	06/10	09/13	3.0L (N57)	DOHC 24V (Diesel)	-	-	-	-	TMP009	
X5	E70 (xDRIVE 50i, M series)	12/09	09/13	4.4L (N63, S63)	DOHC 32V (Petrol)	-	-	-	-	TMP023	
X6	E71 (xDRIVE 35i)	07/08	10/14	3.0L (N54B30)	DOHC 24V (Petrol)	TKS046	-	-	-	TMP023	Check Manifold Absolute Pressure Sensor illustrations for correct application
X6	E71 (xDRIVE 35d)	07/08	08/10	3.0L (M57TU2D30)	DOHC 24V (Diesel)	-	-	-	TAF032	-	Check Air Flow Meter illustrations for correct application
X6	E71 (xDRIVE 40d)	09/10	10/14	3.0L (N57D30)	DOHC 24V (Diesel)	-	-	-	-	TMP009	
X6	E71 (xDRIVE 50i, M series)	03/09	10/14	4.4L (N63, S63)	DOHC 32V (Petrol)	-	-	-	-	TMP023	
Z3	E36 (1.9)	01/96	06/99	1.9L (M44B19)	DOHC 16V (Petrol)	TKS082	TTH017	-	-	-	
Z3	E36 (2.0 - 2.2)	06/99	01/02	2.0L, 2.2L (M52, M54)	DOHC 24V (Petrol)	TKS045	-	-	TAF016	-	
Z3	E36 (2.8)	04/97	09/98	2.8L (M52B28)	DOHC 24V (Petrol)	TKS086	TTH017	-	TAF016	-	
Z3	E36 (2.8)	09/98	01/01	2.8L (M52B28)	DOHC 24V (Petrol)	TKS045	-	-	-	-	
Z3	E36 (3.0)	01/00	01/03	3.0L (M54B30)	DOHC 24V (Petrol)	TKS045	-	-	TAF031	-	
Z3	E36 (M series)	09/98	07/03	3.2L (S50B32)	DOHC 24V (Petrol)	TKS075	-	-	-	-	
Z4	E85 (2.2 - 2.5)	07/03	03/06	2.2L, 2.5L (M54)	DOHC 24V (Petrol)	TKS045	-	-	TAF102	-	
Z4	E85 (2.5)	04/06	04/09	2.5L (N52B25)	DOHC 24V (Petrol)	TKS047	-	-	TAF022	-	
Z4	E85 (3.0)	07/03	03/06	3.0L (M54B30)	DOHC 24V (Petrol)	TKS045	-	-	-	-	
Z4	E85, E86 (3.0si)	04/06	04/09	3.0L (N52B30)	DOHC 24V (Petrol)	TKS047	-	-	TAF022	-	
Z4	E89 (sDRIVE 23i, 30i)	05/09	08/11	2.5L (N52)	DOHC 24V (Petrol)	TKS047	-	-	TAF013	-	
Z4	E89 (sDRIVE 35i, 35si)	05/09	10/14	3.0L (N54)	DOHC 24V (Petrol)	TKS046	-	-	-	TMP023	Check Manifold Absolute Pressure Sensor illustrations for correct application
Chrysler											
300C	LE (3.5)	11/05	01/12	3.5L (AY, EGG)	SOHC 24V (Petrol)	-	-	-	-	TMP043	
300C	LE (5.7)	11/05	2007	5.7L (EZB, EZD)	OHV 16V (Petrol)	TKS101	-	-	-	TMP038	
300C	LE (5.7)	2007	01/12	5.7L (EZB, EZD)	OHV 16V (Petrol)	TKS101	-	-	-	TMP043	
300C	LE (SRT8)	04/06	01/12	6.1L (ESF)	OHV 16V (Petrol)	TKS101	-	-	-	TMP038	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Chrysler cont.											
300C	LE (Diesel)	2008	01/12	3.0L (OM642)	DOHC 24V (Diesel)	-	-	-	-	TMP001	
Crossfire	ZH	10/03	01/09	3.2L (EGX)	SOHC 18V (Petrol)	TKS094	-	-	-	TMP001	
Grand Voyager	GS (3.3)	06/97	1998	3.3L (EGA)	OHV 12V (Petrol)	TKS027	TTH086	-	-	TMP098	
Grand Voyager	GS (3.3)	1998	04/01	3.3L (EGA)	OHV 12V (Petrol)	TKS027	TTH058	-	-	TMP098	
Grand Voyager	GS (3.8)	06/99	06/01	3.8L (EGH)	OHV 12V (Petrol)	-	TTH058	-	-	TMP098	
Grand Voyager	RG	05/01	03/08	3.3L (EGA)	OHV 12V (Petrol)	-	TTH075	-	-	TMP038 TMP053 TMP061	Check Manifold Absolute Pressure Sensor illustrations for correct application
Grand Voyager	RT	01/08	01/11	3.8L (8B (EGL)	OHV 12V (Petrol)	TKS101	-	-	-	TMP043	
Grand Voyager	RT (Diesel)	01/08	07/11	2.8L (R428 (ENS)	DOHC 16V (Diesel)	-	-	-	TAF058	TMP001	
Neon	JA	07/96	08/99	2.0L (S4RE (ECB)	SOHC 16V (Petrol)	TKS142	TTH088	-	-	TMP126	
Neon	JB	09/99	09/02	2.0L (S4RE (ECB)	SOHC 16V (Petrol)	TKS142	TTH088	-	-	TMP098 TMP117 TMP126	Check Manifold Absolute Pressure Sensor illustrations for correct application
PT Cruiser	PT	08/00	11/04	2.0L (ECC)	DOHC 16V (Petrol)	TKS101	TTH059	-	-	TMP061	
PT Cruiser	PG	12/04	06/10	2.4L (EDZ)	DOHC 16V (Petrol)	TKS101	TTH059	-	-	TMP061	
Sebring	JS	05/07	06/10	2.4L (X25D1 (ED3)	DOHC 16V (Petrol)	TKS101	-	-	-	-	
Sebring	JS	12/07	06/10	2.7L (8N (EER)	DOHC 24V (Petrol)	-	-	-	-	TMP038 TMP043	Check Manifold Absolute Pressure Sensor illustrations for correct application
Voyager	GS	02/97	06/01	3.3L (EGA)	OHV 12V (Petrol)	TKS027	TTH058 TTH086	-	-	TMP098	Check Throttle Position Sensor illustrations for correct application
Voyager	RG	06/01	03/08	3.3L (EGA)	OHV 12V (Petrol)	-	TTH075	-	-	TMP038 TMP053 TMP061	Check Manifold Absolute Pressure Sensor illustrations for correct application
Citroen											
Berlingo	M49	07/99	09/03	1.4L (TU3JP)	SOHC 8V (Petrol)	TKS019 TKS065 TKS070	TTH005 TTH032	TAC068 TAC071 TAC078	-	TMP014 TMP016 TMP015	Check illustrations for correct application
Berlingo	B9C HDi	03/09	01/11	1.6L (DV6AUTED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
Berlingo	B9C	03/09	10/14	1.6L (TU5JP4)	DOHC 16V (Petrol)	TKS070	-	-	-	-	
Berlingo II	M59	10/03	06/10	1.4L (TU3JP)	SOHC 8V (Petrol)	TKS019 TKS065 TKS070	TTH032	-	-	TMP016	Check Knock Sensor illustrations for correct application
Berlingo II	M59 HDi	02/08	01/11	1.6L (DV6AUTED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
C2	VTR, VTS	01/04	12/08	1.6L (TU5JP4, TU5JP4S)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP016	
C3		12/02	03/09	1.4L (TU3JP)	SOHC 8V (Petrol)	TKS018 TKS065 TKS070	-	-	-	TMP016	Check Knock Sensor illustrations for correct application
C3	Pluriel, XTR	08/03	08/10	1.6L (TU5JP4)	DOHC 16V (Petrol)	TKS065 TKS070	-	-	-	TMP016	Check Knock Sensor illustrations for correct application
C3	Diesel	01/03	01/07	1.4L (DV4TD)	SOHC 8V (Diesel)	-	-	-	-	TMP090	
C3	HDi	10/07	01/12	1.6L (DV6ATED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
C3	VT	11/10	01/12	1.4L (TU3AE5)	SOHC 8V (Petrol)	TKS070	-	-	-	TMP016	

Make and Model	Year		Engine		Part Number					Notes	
	Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Citroen cont.											
C3		11/10	01/12	1.6L (EP6C)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052 TMP075	TMP052 suits 'AL4' gearbox, TMP075 suits 'MA' gearbox
C4	SX, VTR	04/05	02/09	1.6L (TU5JP4)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP016	
C4		03/05	04/10	2.0L (EW10A)	DOHC 16V (Petrol)	-	-	-	-	TMP016	TMP016 to VIN no. RPO 13414
C4	VTS	03/05	02/09	2.0L (EW10J4S)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP016	
C4	HDi	02/05	02/12	2.0L (DW10BTED4)	DOHC 16V (Diesel)	-	-	-	TAF038	TMP021	
C4	HDi	01/06	10/14	1.6L (DV6TED4, DV6ATED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
C4	VTi, VTR	03/09	10/14	1.6L (EP6, EP6C)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052	
C4	Turbo	03/09	10/14	1.6L (EP6DT, EP6CDT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041	Check Manifold Absolute Pressure Sensor illustrations for correct application
C5		06/01	07/05	2.0L (EW10J4)	DOHC 16V (Petrol)	TKS018 TKS019	TTH032	TAC049	-	TMP014 TMP026	Check illustrations for correct application
C5	V6	06/01	08/08	2.9L (ES9J4S, ES9A)	DOHC 24V (Petrol)	TKS021 TKS072	-	-	-	TMP026	Check Knock Sensor illustrations for correct application
C5	HDi	06/01	07/05	2.0L (DW10ATED)	SOHC 8V (Diesel)	-	-	-	-	TMP090 TMP112	TMP112 to VIN no. RPO 09820, TMP090 from VIN no. RPO 09821
C5		04/05	07/10	2.0L (EW10A)	DOHC 16V (Petrol)	-	-	-	-	TMP016	
C5	HDi	03/05	05/06	2.2L (DW12TED4)	DOHC 16V (Diesel)	-	-	-	-	TMP090	
C5	HDi	06/06	01/10	2.0L (DW10BTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	TMP021	
C5	HDi Twin Turbo	03/07	08/08	2.2L (DW12BTED4)	DOHC 16V (Diesel)	-	-	-	-	TMP104 TMP114	Check Manifold Absolute Pressure Sensor illustrations for correct application
C5	X7 HDi	09/08	01/10	2.7L (DT17TED4)	DOHC 24V (Diesel)	-	-	-	TAF038	-	
C5	X7 HDi	02/10	10/14	2.0L (DW10CTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	-	TAF044 from VIN no. RPO 12574 to VIN no. RPO 12746
C5	X7 HDi	02/10	10/14	3.0L (DT20CTED4)	DOHC 24V (Diesel)	-	-	-	TAF055	-	
C5	X7	02/12	10/14	1.6L (EP6CDT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041 TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
C6	V6	09/06	12/08	2.9L (ES9A)	DOHC 24V (Petrol)	TKS021 TKS072	-	-	-	TMP026	Check Knock Sensor illustrations for correct application
C6	HDi	09/06	06/08	2.7L (DT17TED4)	DOHC 24V (Diesel)	-	-	-	TAF038	-	
C6	HDi	01/10	10/14	3.0L (FT20CTED4)	DOHC 24V (Diesel)	-	-	-	TAF055	-	
Dispatch	G9C	04/08	10/11	2.0L (DW10UTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	TMP021	
DS3	Dstyle	02/12	10/14	1.4L (EP3C)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052 TMP075	TMP052 to VIN no. RPO 12292, TMP075 from VIN no. RPO 12293
DS3	Dstyle	09/10	10/14	1.6L (EP6C)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052 TMP075	TMP052 to VIN no. RPO 12294, TMP075 from VIN no. RPO 12294
DS3	Dsport	09/10	10/14	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
DS4	Dstyle	02/12	10/14	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041	Check Manifold Absolute Pressure Sensor illustrations for correct application
DS4	Dsport	02/12	10/14	1.6L (EP6CDT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Citroen cont.											
DS5	Dsport	01/12	10/14	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
Xantia	VSX	09/94	06/01	2.0L (XU10J2)	SOHC 8V (Petrol)	TKS021	-	TAC109	-	-	Check Idle Air Control Valve illustrations for correct application
Xantia	Turbo	11/96	06/01	2.0L (XU10J2TE)	SOHC 8V (Petrol)	TKS021 TKS072	TTH004	-	-	-	TKS021 to VIN no. RPO 08133, TKS072 from VIN no. RPO 08134
Xantia		03/96	06/01	2.0L (XU10J4R)	DOHC 16V (Petrol)	TKS037 TKS072	TTH004	-	-	TMP014 TMP025	Check illustrations for correct application
Xantia	V6	01/98	06/01	3.0L (ES9J4)	DOHC 24V (Petrol)	-	-	-	-	TMP014 TMP025	TMP025 To VIN no. RPO 08077, TMP014 from VIN no. RPO 08078
XM	V6	05/94	07/00	3.0L (ZPJ4)	DOHC 24V (Petrol)	TKS021	TTH003	-	-	TMP015	
XM	V6	01/97	01/00	2.9L (ES9J4)	DOHC 24V (Petrol)	TKS021	TTH004	-	-	TMP015	
Xsara		01/97	01/00	1.4L (TU3JP)	SOHC 8V (Petrol)	TKS019 TKS065	TTH005	TAC068 TAC071	-	TMP014 TMP025	Check illustrations for correct application
Xsara	SOHC	07/98	07/00	1.8L (XU7JP)	SOHC 8V (Petrol)	TKS019	-	TAC109	-	-	
Xsara	DOHC	07/98	01/01	1.8L (XU7JP4)	DOHC 16V (Petrol)	TKS019	TTH004	-	-	TMP014 TMP025	TKS019 from VIN no. RPO 07665. TMP025 to VIN no. RPO 08007, TMP014 to VIN no. RPO 08008
Xsara		09/98	12/00	2.0L (XU10J4R)	DOHC 16V (Petrol)	TKS072	TTH004	-	-	TMP014 TMP025	TMP025 to VIN no. RPO 08056, TMP014 from VIN no. RPO 08057
Xsara	SOHC	02/00	12/00	1.6L (TU5JP)	SOHC 8V (Petrol)	TKS065	TTH004 TTH005	-	-	TMP014 TMP025	Check illustrations for correct application
Xsara		01/00	01/03	1.8L (XU7JP)	SOHC 8V (Petrol)	TKS018	TTH032	-	-	TMP014 TMP026	TMP014 suit manual throttle body, TMP026 suits motorised throttle body
Xsara	DOHC	02/01	03/05	1.6L (TU5JP4)	DOHC 16V (Petrol)	TKS065 TKS070	-	-	-	TMP016	TKS065 to VIN no. RPO 09456, TKS070 from VIN no. RPO 09457
Xsara		02/01	01/06	2.0L (EW10J4)	DOHC 16V (Petrol)	TKS018 TKS019	TTH032	TAC049	-	TMP014 TMP026	TKS019, TTH032, TMP014 suits manual throttle body, TKS018, TMP026 suits motorised throttle body
Xsara	VTS	02/01	04/05	2.0L (XU10J4RS)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP014	
Daewoo											
1.5		07/94	10/95	1.5L (G15MF)	SOHC 8V (Petrol)	-	TTH002	TAC052	-	-	
Cielo	Incl. Loadrunner	10/95	04/98	1.5L (A15MF, G15MF)	Petrol	-	TTH002	TAC052	-	-	
Espero		03/95	07/97	2.0L (C20LE)	SOHC 8V (Petrol)	-	TTH002	-	-	-	
Kalos	T200	03/03	05/04	1.5L (F15S)	SOHC 8V (Petrol)	-	TTH002	TAC052	-	-	
Korando		11/98	06/00	3.2L (M162.993)	DOHC 24V (Petrol)	TKS019	-	-	-	-	
Lacetti	J200	08/03	01/05	1.8L (D-TEK)	DOHC 16V (Petrol)	TKS026	TTH002	TAC053	-	-	
Lanos		08/97	03/03	1.5L (A15SM)	SOHC 8V (Petrol)	TKS026	TTH002	TAC052	-	-	
Lanos		08/97	03/03	1.6L (A16DM)	DOHC 16V (Petrol)	TKS026 TKS053 TKS060	TTH002	TAC052	-	TMP015	Check Knock Sensor illustrations for correct application
Leganza	V100	07/97	01/04	2.0L, 2.2L (C20, T22)	DOHC 16V (Petrol)	TKS026 TKS053	TTH002	TAC053	-	-	Check Knock Sensor illustrations for correct application
Matiz	M100, M150	10/99	01/05	0.8L (F8CV)	SOHC 6V (Petrol)	TKS026 TKS055	-	TAC111	-	-	Check illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Daewoo cont.											
Musso	Y100	09/98	12/02	3.2L (M162.990)	DOHC 24V (Petrol)	TKS019	-	-	-	-	
Nubira	J100	06/97	10/99	1.6L (A16DMS)	DOHC 16V (Petrol)	TKS026 TKS053 TKS060	TTH002	TAC052	-	-	Check Knock Sensor illustrations for correct application
Nubira	J100	05/98	05/00	2.0L (X20SED)	DOHC 16V (Petrol)	TKS053	TTH002	TAC053	-	TMP003	
Nubira II	J150	10/99	08/03	2.0L (X20SED)	DOHC 16V (Petrol)	TKS026 TKS053	TTH002	TAC053	-	-	Check Knock Sensor illustrations for correct application
Tacuma		11/00	12/04	2.0L (X20SED)	DOHC 16V (Petrol)	TKS026	TTH002	TAC053	-	-	
Daihatsu											
Boon	M300S	01/08	01/09	1.0L (1KR-FE)	DOHC 12V (Petrol)	TKS009	-	-	-	TMP087	
Boon	M301S	01/05	01/06	1.3L (K3-VE)	DOHC 16V (Petrol)	TKS009	TTH053	TAC093	-	TMP071	
Copen	L881K	01/06	01/07	1.3L (K3-VE)	DOHC 16V (Petrol)	TKS009	TTH053	TAC093	-	TMP071	
Delta	V118, V138	12/02	11/05	3.0L, 3.7L (1KD-FTV, 14B)	Diesel	-	-	-	TAF052	-	
Feroza	F300, F310	10/88	01/99	1.6L (HDE)	SOHC 16V (Petrol)	-	TTH015	-	-	-	
Materia	M402S	01/06	01/08	1.5L (3SZ-VE)	DOHC 16V (Petrol)	TKS009	TTH053	TAC093	-	TMP071	
Rocky	F80, F85	10/87	01/89	2.0L (3Y-E)	SOHC 8V (Petrol)	-	TTH050	-	-	-	
Sirion	M300S	01/08	01/10	1.0L (1KR-FE)	DOHC 12V (Petrol)	TKS009	-	-	-	TMP087	
Sirion	M301S	02/05	12/05	1.3L (K3-VE)	DOHC 16V (Petrol)	TKS009	TTH053	TAC093	-	TMP071	
Sirion	M101 (GTvi)	09/00	02/05	1.3L (K3-VE2)	DOHC 16V (Petrol)	-	TTH053	TAC093	-	-	
Sirion	M303S	01/08	01/11	1.5L (3SZ-VE)	DOHC 16V (Petrol)	TKS009	TTH053	-	-	TMP071	
Terios	J102G	10/00	12/05	1.3L (K3-VE)	DOHC 16V (Petrol)	-	TTH053	TAC093	-	-	
Terios	J200G, J210G	01/06	01/07	1.5L (3SZ-VE)	DOHC 16V (Petrol)	TKS009	TTH053	TAC093	-	TMP071	
YRV		07/01	12/04	1.3L (K3-VE)	DOHC 16V (Petrol)	-	TTH053	TAC093	-	-	
Dodge											
Avenger	JS (2.0 - 2.4)	08/07	07/09	2.0L, 2.4L (ECN, ED3, EDG)	DOHC 16V (Petrol)	TKS101	-	-	-	-	
Avenger	JS (2.7 V6)	09/08	06/10	2.7L (EER)	DOHC 24V (Petrol)	-	-	-	-	TMP043	
Caliber	PM	08/06	08/10	1.8L - 2.0L (EBA, ECN, ED3)	DOHC 16V (Petrol)	TKS101	-	-	-	-	
Journey	JC	01/09	01/12	2.7L (EER)	DOHC 24V (Petrol)	-	-	-	-	TMP043	
Nitro	KA	06/07	10/14	3.7L (EKO, EKG)	SOHC 12V (Petrol)	-	-	-	-	TMP038	
Nitro	KA (Diesel)	06/07	06/10	2.8L (ENO)	DOHC 16V (Diesel)	-	-	-	TAF058	-	
Ram	1500	01/96	01/05	5.9L (56)	OHV 16V (Petrol)	-	TTH045	-	-	-	
Viper	RT/10	10/02	08/03	8.0L (EWC)	OHV 20V (Petrol)	TKS101	-	-	-	TMP117	
Fiat											
500	Twin Air	02/12	10/14	0.9L (312A2)	SOHC 8V (Petrol)	TKS062	-	-	-	TMP054	
500	1.2 SOHC	02/08	09/10	1.2L (169A4)	SOHC 8V (Petrol)	-	TTH055	-	-	TMP068	
500, 500C	1.4 DOHC	02/08	01/12	1.4L (169A3)	DOHC 16V (Petrol)	TKS062	TTH055	-	-	TMP068	
Bravo		01/96	04/98	1.6L (182A6)	DOHC 16V (Petrol)	-	TTH008	-	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Fiat cont.											
Bravo	Turbo	01/07	01/08	1.4L (198A1)	DOHC 16V (Petrol)	TKS062	-	-	-	TMP068	Check Manifold Absolute Pressure Sensor illustrations for correct application
Coupe	Turbo	01/95	12/02	2.0L (175A3)	DOHC 20V (Petrol)	TKS021	TTH003	-	-	-	
Ducato		01/02	07/07	2.8L (8140.43S)	SOHC 8V (Diesel)	-	-	-	-	TMP110	Check Manifold Absolute Pressure Sensor illustrations for correct application
Ducato	Series II	02/07	05/07	2.3L (F1AE)	DOHC 16V (Diesel)	-	-	-	TAF093	TMP056	
Ducato	Series II	05/07	05/09	2.3L (F1AE)	DOHC 16V (Diesel)	-	-	-	TAF093	TMP076	
Ducato	Series II	05/09	10/14	2.3L (F1AE)	DOHC 16V (Diesel)	-	-	-	-	TMP076	
Ducato		01/12	10/14	2.3L	DOHC 16V (Diesel)	-	-	-	-	TMP076	
Panda		10/13	10/14	0.9L (312A2)	SOHC 8V (Petrol)	TKS062	-	-	-	TMP054 TMP068 TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
Panda		10/13	10/14	1.2L (169A4)	SOHC 8V (Petrol)	-	-	-	-	TMP054 TMP068	Check Manifold Absolute Pressure Sensor illustrations for correct application
Panda	Diesel	10/13	10/14	1.2L (199A9)	DOHC 16V (Diesel)	-	-	-	-	TMP076	
Punto		01/95	01/99	1.2L (176B4)	SOHC 8V (Petrol)	-	TTH005	-	-	-	
Punto		01/00	01/07	1.2L (188A5)	DOHC 16V (Petrol)	TKS062	-	-	-	TMP068	
Punto		01/04	01/05	1.4L (843A1)	DOHC 16V (Petrol)	TKS062	-	-	-	-	
Punto	Diesel	07/06	05/10	1.2L (199A3)	DOHC 16V (Diesel)	-	-	-	-	TMP056 TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
Punto	Diesel	06/06	01/09	1.9L (199A5, 939A1)	SOHC 16V (Diesel)	-	-	-	TAF084	TMP076	Check Air Flow Meter illustrations for correct application
Punto		02/08	10/14	1.4L (198A4)	DOHC 16V (Petrol)	TKS062	-	-	-	-	
Ritmo		01/08	05/10	1.4L (192B2, 198A1)	DOHC 16V (Petrol)	TKS062	-	-	-	-	
Ritmo	Diesel	02/08	05/10	1.9L (192A8, 937A5)	SOHC 16V (Diesel)	-	-	-	-	TMP076	
Scudo		04/08	12/08	2.0L (120 Multi)	DOHC 16V (Diesel)	-	-	-	TAF044	-	
Ford											
Capri	SA - SE	10/89	07/94	1.6L (B6, B6T)	Petrol	-	TTH015 TTH027	-	-	-	TTH027 suits A/T models
Cougar	SW - SX	10/99	03/04	2.5L (LCBC (Duratec))	DOHC 24V (Petrol)	-	TTH066	-	-	-	
Courier	PC	09/90	04/96	2.6L (G6)	SOHC 12V (Petrol)	-	TTH062	TAC085	-	-	
Courier	PD - PE	05/96	02/99	2.6L (G6)	SOHC 12V (Petrol)	-	TTH062	-	-	-	
Courier	PE - PH	02/99	01/06	2.6L (G6)	SOHC 12V (Petrol)	-	TTH062	-	TAF034	-	
Courier	PH	01/04	01/06	4.0L (1V)	SOHC 12V (Petrol)	TKS128	TTH066	TAC064	TAF058	-	
Econovan	JH	03/03	07/06	1.8L, 2.0L (F8, FE)	SOHC (Petrol)	-	TTH023	-	TAF034	-	
Ecosport	BK	12/13	10/14	1.0L	DOHC 12V (Petrol)	TKS134	-	-	TAF094	-	
Ecosport	BK	12/13	10/14	1.5L	DOHC 16V (Petrol)	TKS032	-	-	TAF058	-	
Escape	ZB	02/04	05/06	2.3L (L3)	DOHC 16V (Petrol)	TKS031	TTH046	TAC048	TAF004	TMP027	
Escape	ZC - ZD	06/06	01/12	2.3L (L3)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
Escape	BA - ZB	03/01	05/06	3.0L (AJ)	DOHC 24V (Petrol)	TKS140	TTH066	TAC057	-	-	
Escape	ZC	01/06	03/08	3.0L (AJ)	DOHC 24V (Petrol)	TKS140	TTH066	TAC075	-	-	

Make and Model	Year		Engine		Part Number					Notes	
	Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Ford cont.											
Explorer	UN - US (153kw - 4011cc)	10/96	12/98	4.0L (VZA)	SOHC 12V (Petrol)	-	TTH018	TAC081	-	-	
Explorer	UN - US (153kw - 4011cc)	01/99	09/01	4.0L (VZA)	SOHC 12V (Petrol)	-	TTH018	TAC084	-	-	
Explorer	UN - US (119kw - 3997cc)	10/96	09/01	4.0L (VZA)	OHV 12V (Petrol)	-	TTH092	TAC080	-	-	
Explorer	UT - UZ (V6)	10/01	01/08	4.0L (XZA)	SOHC 12V (Petrol)	TKS128	TTH018	TAC002	TAF058	-	Check illustrations for correct application
Explorer	UT - UZ (V8)	10/01	10/01	4.6L (2ZA)	SOHC 16V (Petrol)	-	TTH018	TAC083	-	-	Check Throttle Position Sensor illustrations for correct application
Explorer	UT - UZ (V8)	11/01	01/08	4.6L (2ZA)	SOHC 16V (Petrol)	-	TTH018	TAC098	-	-	Check Throttle Position Sensor illustrations for correct application
F150		01/99	06/08	5.4L	SOHC 16V (Petrol)	-	TTH018	-	-	-	
F250	RM - RN	08/01	09/07	5.4L	SOHC 16V (Petrol)	-	-	TAC113	-	-	
F350	RM - RN	01/01	12/02	5.4L	SOHC 16V (Petrol)	TKS095	-	TAC113	-	-	Check illustrations for correct application
Falcon (4 Cyl.)	FG (EcoBoost)	03/12	10/14	2.0L (B4204T)	DOHC 16V (Petrol)	TKS031	-	-	TAF067	TMP073	Check Manifold Absolute Pressure Sensor illustrations for correct application
Falcon (6 Cyl.)	FE, XF, XL	10/84	05/88	4.1L	OHV 12V (Petrol)	-	-	TAC005	-	-	
Falcon (6 Cyl.)	EA	03/88	06/91	3.2L, 3.9L	SOHC 12V (Petrol)	-	TTH104	-	-	-	
Falcon (6 Cyl.)	XF (Utility & Van)	01/91	03/93	4.1L	OHV 12V (Petrol)	-	-	TAC005	-	-	
Falcon (6 Cyl.)	EB	07/91	04/92	3.9L, 4.0L	SOHC 12V (Petrol)	-	TTH104	-	-	-	
Falcon (6 Cyl.)	EB - ED	04/92	03/95	4.0L	SOHC 12V (Petrol)	-	-	-	-	-	
Falcon (6 Cyl.)	XG (Utility & Van)	03/93	03/96	4.0L	SOHC 12V (Petrol)	-	-	-	-	-	
Falcon (6 Cyl.)	EF - EL	08/94	06/99	4.0L	SOHC 12V (Petrol)	-	-	-	-	TMP063	
Falcon (6 Cyl.)	XH (Utility & Van)	03/96	06/99	4.0L	SOHC 12V (Petrol)	-	-	-	-	TMP063	
Falcon (6 Cyl.)	AU	08/98	06/00	4.0L	SOHC 12V (Petrol)	TKS097	-	TAC124	-	-	
Falcon (6 Cyl.)	AU II & III	03/00	06/03	4.0L	SOHC 12V (Petrol, LPG)	TKS097	TTH103	TAC124	-	TMP008	
Falcon (6 Cyl.)	BA - BF	09/02	04/08	4.0L (Barra)	DOHC 24V (Petrol, LPG)	TKS037	TTH009	-	-	TMP008	
Falcon (6 Cyl.)	BA - BF (Turbo)	09/02	04/08	4.0L (Barra)	DOHC 24V (Petrol)	TKS037	TTH009	-	-	TMP019 TMP034	Check Manifold Absolute Pressure Sensor illustrations for correct application
Falcon (6 Cyl.)	FG	05/08	10/14	4.0L (Barra 195)	DOHC 24V (Petrol)	TKS037	-	-	-	TMP034	
Falcon (6 Cyl.)	FG (Turbo)	05/08	10/14	4.0L (Barra 270T)	DOHC 24V (Petrol)	TKS037	-	-	-	TMP019 TMP034 TMP079	Check Manifold Absolute Pressure Sensor illustrations for correct application
Falcon (6 Cyl.)	FG (E - GAS)	05/08	06/11	4.0L (E-GAS)	DOHC 24V (LPG)	TKS037	TTH009	-	-	TMP034	
Falcon (6 Cyl.)	FG (ECOLPI)	07/11	10/14	4.0L (ECOLPI)	DOHC 24V (LPG)	TKS037	-	-	-	TMP137	
Falcon (8 Cyl.)	EB - ED	07/91	03/95	5.0L (Windsor)	OHV 16V (Petrol)	-	TTH030	TAC063	-	-	TTH030 replaces upper throttle position sensor
Falcon (8 Cyl.)	EF - EL	08/94	06/99	5.0L (Windsor)	OHV 16V (Petrol)	-	TTH030	TAC063	-	-	TTH030 replaces upper throttle position sensor
Falcon (8 Cyl.)	XH (Utility & Van)	10/97	05/99	5.0L (Windsor)	OHV 16V (Petrol)	-	TTH030	TAC063	-	-	TTH030 replaces upper throttle position sensor
Falcon (8 Cyl.)	AU - AU III	08/98	06/03	5.0L (Windsor)	OHV 16V (Petrol)	TKS097	TTH018	TAC082	-	-	
Falcon (8 Cyl.)	TE50, TS50, TL50, Pursuit	12/01	12/02	5.6L (Windsor)	OHV 16V (Petrol)	-	-	TAC082	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Ford cont.											
Falcon (8 Cyl.)	BA - BF	09/02	04/08	5.4L (Barra, Boss)	Petrol	TKS095	TTH009	-	-	TMP008	
Falcon (8 Cyl.)	FG (XR8)	05/08	09/11	5.4L (Boss)	DOHC 32V (Petrol)	TKS118	TTH009	-	-	TMP008	
Festiva	WB	04/94	12/96	1.3L (B3)	SOHC 8V (Petrol)	-	TTH023	-	-	-	
Festiva	WB II & III	01/97	10/97	1.3L (B3)	SOHC 8V (Petrol)	-	TTH023	-	TAF095	TMP015	Check Manifold Absolute Pressure Sensor illustrations for correct application
Festiva	WB II & III	11/97	12/02	1.3L (B3)	SOHC 8V (Petrol)	-	TTH003	-	TAF095	TMP015	Check Manifold Absolute Pressure Sensor illustrations for correct application
Festiva	WB II & III	02/97	12/02	1.5L (B5)	SOHC (Petrol)	-	TTH023	-	-	TMP015	Check Manifold Absolute Pressure Sensor illustrations for correct application
Fiesta	WP - WQ	02/04	01/06	1.6L (FYJ)	DOHC 16V (Petrol)	TKS032	-	-	-	TMP096	
Fiesta	WP - WQ	01/06	12/08	1.6L (FYJ)	DOHC 16V (Petrol)	TKS032	-	-	-	TMP096	
Fiesta	WQ	06/07	12/08	2.0L (N4J)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP048	
Fiesta	WS	01/09	09/10	1.4L (SPJ)	DOHC 16V (Petrol)	TKS032	-	-	-	TMP116	
Fiesta	WS	01/09	09/10	1.6L (HXJ)	DOHC 16V (Petrol)	TKS032	-	-	TAF058	TMP096	
Fiesta	WS (Diesel)	11/09	09/10	1.6L (HHJ)	DOHC 16V (Diesel)	-	-	-	TAF094	TMP021	
Fiesta	WT	10/10	07/13	1.6L (HXJ, TSJ)	DOHC 16V (Petrol)	TKS032	-	-	TAF058	-	
Fiesta	WT (Diesel)	10/10	01/13	1.6L (HHJ)	DOHC 16V (Diesel)	-	-	-	-	TMP021	
Focus	LR	01/00	04/05	1.8L, 2.0L (2U, Zetec)	DOHC 16V (Petrol)	-	TTH054	TAC072	TAF073	-	
Focus	LR (ST170)	04/03	04/05	2.0L (EDD)	DOHC 16V (Petrol)	TKS031	TTH054	-	-	-	
Focus	LS	05/05	05/08	2.0L (Duratec)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP048	
Focus	LS (ST, XR5)	04/06	06/07	2.5L (B5254T)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	TMP020	
Focus	LT	07/07	03/09	2.0L (Duratec)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP048	
Focus	LT (ST, XR5)	07/07	05/08	2.5L (B5254T)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	TMP020	
Focus	LT (TDCi)	07/07	03/09	2.0L (D4204T)	DOHC 16V (Diesel)	-	-	-	TAF067	TMP021	
Focus	LV	06/08	06/11	2.0L (Duratec)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP048	
Focus	LV (XR5)	06/08	06/11	2.5L (B5254T)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	TMP020	
Focus	LV (RS)	10/10	06/12	2.5L (B5254T)	DOHC 20V (Petrol)	TKS069	-	-	-	TMP020	
Focus	LV (TDCi)	04/09	06/11	2.0L (D4204T)	DOHC 16V (Diesel)	-	-	-	TAF067	TMP021	
Focus	LW (1.6)	07/11	10/14	1.6L (Duratec)	DOHC 16V (Petrol)	TKS032	-	-	TAF058	-	
Focus	LW (2.0)	07/11	10/14	2.0L (Duratec)	DOHC 16V (Petrol)	TKS031	-	-	TAF067	-	
Focus	LW (Diesel)	07/11	10/14	2.0L (Duratorq)	DOHC 16V (Diesel)	-	-	-	TAF067	-	
Focus	LW (ST)	10/12	10/14	2.0L (EcoBoost)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP073	Check Manifold Absolute Pressure Sensor illustrations for correct application
KA	TA - TB	11/99	12/03	1.3L (J4KD, XJ)	OHV 8V (Petrol)	-	TTH007	TAC072	-	TMP008	
Kuga	TE	02/12	02/13	2.5L (Duratec)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	-	
Kuga	TF	02/13	10/14	2.0L (Duratorq)	DOHC 16V (Diesel)	-	-	-	TAF067	-	
Laser	KC	10/85	09/87	1.6L (B6)	SOHC 8V (Petrol)	-	TTH015	-	-	-	
Laser	KE (incl. TX3)	10/87	04/90	1.6L (B6, B6T)	Petrol	-	TTH015	-	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Ford cont.											
Laser	KF, KH	03/90	12/94	1.8L (BP, BPD)	16V (Petrol)	-	TTH015 TTH027	-	-	-	TTH027 suits A/T models, TTH015 suits M/T models
Laser	KJ (1.6)	10/94	11/98	1.6L (B6)	DOHC 16V (Petrol)	TKS030	TTH043 TTH052 TTH091	TAC061	-	-	Check illustrations for correct application
Laser	KJ (1.8)	10/94	11/98	1.8L (BP)	DOHC 16V (Petrol)	-	TTH015 TTH027 TTH043	TAC061	-	-	Check Throttle Position Sensor illustrations for correct application
Laser	KN (1.3)	01/98	01/02	1.3L (B3)	SOHC 16V (Petrol)	-	TTH023	-	-	-	
Laser	KN - KQ (1.6)	03/98	09/02	1.6L (ZM)	DOHC 16V (Petrol)	TKS028	TTH043	TAC001	TAF004	-	
Laser	KN - KQ (1.8)	01/98	09/02	1.8L (FP)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF034	-	
Laser	KQ (SR2)	04/01	09/02	2.0L (FSDE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF040	-	
Meteor	GC	10/85	09/87	1.6L (B6)	SOHC 8V (Petrol)	-	TTH015	-	-	-	
Mondeo	HA - HB	07/95	10/96	2.0L (SD, ZH20)	DOHC 16V (Petrol)	-	TTH010	TAC112	TAF069	-	
Mondeo	HC - HE	10/96	05/98	2.0L (SD, ZH20)	DOHC 16V (Petrol)	-	TTH054	TAC073	TAF069	-	
Mondeo	HC - HE	06/98	12/00	2.0L (SD, ZH20)	DOHC 16V (Petrol)	-	TTH054	TAC073	TAF073	-	
Mondeo	MA - MC	10/07	10/14	2.3L (Duratec)	DOHC 16V (Petrol)	TKS031	-	-	-	-	
Mondeo	MA - MB (XR5)	10/07	10/14	2.5L (B5254T)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	-	
Mondeo	MC	07/11	10/14	2.0L	DOHC 16V (Petrol)	TKS031	-	-	-	TMP010 TMP073	Check Manifold Absolute Pressure Sensor illustrations for correct application
Mondeo	MA - MC (TDCi)	10/07	10/14	2.0L (D4204T, D4204T7)	DOHC 16V (Diesel)	-	-	-	TAF045 TAF094	-	Check Air Flow Meter illustrations for correct application
Mustang		02/01	03/03	4.6L (MODULAR)	DOHC 32V (Petrol)	TKS097	-	-	-	-	
Mustang		01/05	06/07	4.6L (MODULAR)	SOHC 24V (Petrol)	TKS097	-	-	-	-	
Raider	UV	08/91	07/97	2.6L (G6)	SOHC 12V (Petrol)	-	TTH062	-	-	-	
Ranger	PJ - PK	01/07	08/11	2.5L, 3.0L (WLAT, WEAT)	DOHC 16V (Diesel)	-	-	-	TAF004	TMP076	
Ranger	PX	09/11	10/14	2.5L (DPAT)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP027	
Ranger	PX (Diesel)	09/11	10/14	2.2L, 3.2L (P4AT, P5AT)	DOHC (Diesel)	-	-	-	TAF094	TMP073	
Taurus	DN - DP	03/96	09/98	3.0L (TA)	DOHC 24V (Petrol)	-	TTH018	-	-	-	
Telstar	AX - AY	01/92	11/96	2.0L (FS)	DOHC 16V (Petrol)	-	TTH023	-	-	-	
Territory	SX - SY	04/04	04/11	4.0L (Barra)	DOHC 24V (Petrol)	TKS037	TTH009	-	-	TMP008	
Territory	SY (Turbo)	07/06	02/10	4.0L (Barra 245T)	DOHC 24V (Petrol)	TKS037	TTH009	-	-	TMP019 TMP034	Check Manifold Absolute Pressure Sensor illustrations for correct application
Territory	SZ	05/11	10/14	4.0L (Barra)	DOHC 24V (Petrol)	TKS037	-	-	-	TMP137	
Transit	VG - VF	01/96	12/00	2.0L (NSJ)	DOHC 16V (Petrol)	-	-	-	TAF069	-	
Transit	VH - VJ	01/01	10/06	2.3L (YE)	DOHC 16V (Petrol)	-	TTH010	TAC050	-	-	
Transit	VH - VJ (Diesel)	01/01	10/06	2.4L (1J, DOFA)	DOHC 16V (Diesel)	-	-	-	-	TMP097	
Transit	VJ (Diesel)	04/04	10/06	2.4L (H9FA)	DOHC 16V (Diesel)	TKS031	-	-	-	TMP097	Check Manifold Absolute Pressure Sensor illustrations for correct application
Transit	VM	10/06	02/08	2.3L (Duratec 145)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP048	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Ford cont.											
Transit	VM (Diesel)	01/06	02/12	2.2L, 2.4L	DOHC 16V (Diesel)	-	-	-	TAF045	TMP067	
Transit	VM (Diesel)	03/12	10/14	2.2L	DOHC 16V (Diesel)	-	-	-	-	TMP073	
Ford FPV											
Falcon	BA - BF (F6)	09/04	05/08	4.0L (Barra 270T)	DOHC 24V (Petrol)	TKS037	TTH009	-	-	TMP019 TMP034	Check Manifold Absolute Pressure Sensor illustrations for correct application
Falcon	BA - BF (V8)	02/03	05/08	5.4L (BOSS 290, 302)	DOHC 32V (Petrol)	TKS095	TTH009	-	-	TMP008	
Falcon	FG (F6)	06/08	10/14	4.0L (BARRA 310T)	DOHC 24V (Petrol)	TKS037	-	-	-	TMP079 TMP019	Check Manifold Absolute Pressure Sensor illustrations for correct application
Falcon	FG (5.4 V8)	06/08	10/10	5.4L (BOSS 302, 315)	DOHC 32V (Petrol)	TKS118	TTH009	-	-	TMP008	
Falcon	FG (5.0 V8)	10/10	10/14	5.0L (BOSS 315, 335)	DOHC 32V (Petrol)	TKS118	-	-	-	TMP008 TMP019 TMP079	Check Manifold Absolute Pressure Sensor illustrations for correct application
Territory	SY (F6X)	02/08	03/09	4.0L (Barra 270T)	DOHC 24V (Petrol)	TKS037	TTH009	-	-	TMP019 TMP034	Check Manifold Absolute Pressure Sensor illustrations for correct application
Great Wall											
V240	K2	06/09	10/14	2.4L (4G94S4N)	SOHC 16V (Petrol)	-	TTH048	-	-	-	
X240	CC	10/09	10/14	2.4L (4G69S4N)	SOHC 16V (Petrol)	-	TTH048	-	-	-	
Holden											
Apollo	JK - JL	05/91	02/93	2.0L (3S-FE)	DOHC 16V (Petrol)	-	TTH015 TTH037	-	-	-	TTH015 suits M/T models, TTH037 suits A/T models
Apollo	JM - JP	03/93	05/97	2.2L (5S-FE)	DOHC 16V (Petrol)	TKS012	TTH025	-	-	-	
Apollo	JM - JP (V6)	03/93	05/97	3.0L (3VZ-FE)	DOHC 24V (Petrol)	TKS012	TTH052	TAC020	-	-	
Astra	LD (1.6)	07/87	07/89	1.6L (16LF)	SOHC 8V (Petrol)	-	TTH001	TAC070	-	-	
Astra	LD (1.8)	07/87	07/89	1.8L (18LE)	SOHC 8V (Petrol)	-	TTH001	-	-	-	
Astra	TR (1.6)	09/96	09/98	1.6L (C16SE)	SOHC 8V (Petrol)	-	TTH002	TAC046	-	TMP015	
Astra	TR (1.8 - 2.0)	09/96	09/98	1.8L, 2.0L (C18SEL, X20XEV)	DOHC 16V (Petrol)	TKS055	TTH003	TAC044	TAF068	-	
Astra	TS	09/98	12/00	1.8L (X18XE1)	DOHC 16V (Petrol)	TKS057	-	-	TAF077	-	
Astra	TS II (1.8)	01/01	06/04	1.8L (Z18XE)	DOHC 16V (Petrol)	TKS058	-	-	TAF077	-	
Astra	TS II (2.0)	05/03	06/04	2.0L (Z20LET)	DOHC 16V (Petrol)	TKS123	-	-	TAF120	TMP131	
Astra	TS II (2.2)	10/01	01/07	2.2L (Z22SE)	DOHC 16V (Petrol)	TKS085	-	-	-	TMP003	
Astra	AH (1.8)	09/04	03/07	1.8L (Z18XE)	DOHC 16V (Petrol)	TKS058	-	-	TAF077	-	
Astra	AH (2.0)	06/06	03/10	2.0L (Z20LER)	DOHC 16V (Petrol)	TKS126	-	-	TAF141	TMP129 TMP131	Check Manifold Absolute Pressure Sensor illustrations for correct application
Astra	AH (2.2)	12/06	03/10	2.2L (Z22YH)	DOHC 16V (Petrol)	TKS057	-	-	TAF127	TMP003	
Astra	AH MY07.5 (1.8)	04/07	03/10	1.8L (Z18XER)	DOHC 16V (Petrol)	TKS019	-	-	TAF143	TMP017	
Astra	AH (Diesel)	06/06	03/10	1.9L (Z19DT, Z19DTH)	Diesel	-	-	-	TAF084	TMP056	
Barina	SB (1.2)	04/94	07/97	1.2L (C12NZ)	SOHC 8V (Petrol)	-	TTH001	TAC045	-	TMP015	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Holden cont.											
Barina	SB (1.4)	04/94	07/97	1.4L (C14NZ)	SOHC 8V (Petrol)	-	TTH001	TAC045 TAC070	-	TMP015	TAC045 suits M/T models, TAC070 suits A/T models
Barina	SB (1.6)	04/94	03/95	1.6L (C16XE)	DOHC 16V (Petrol)	-	TTH002	TAC046	-	-	
Barina	SB (1.6)	03/95	09/98	1.6L (X16XE)	DOHC 16V (Petrol)	TKS053	TTH002	TAC046	-	TMP015	Check Knock Sensor illustrations for correct application
Barina	SB (1.4)	08/97	02/01	1.4L (C14SE)	SOHC 8V (Petrol)	-	TTH002	TAC046	-	TMP015	
Barina	XC (1.4)	04/01	06/04	1.4L (Z14XE)	DOHC 16V (Petrol)	TKS053	-	-	-	TMP003	
Barina	XC (1.4)	09/02	11/05	1.4L (Z14XEP)	DOHC 16V (Petrol)	TKS062	-	-	TAF133	-	
Barina	XC (SRi)	09/01	10/05	1.8L (Z18XE)	DOHC 16V (Petrol)	TKS058	-	-	TAF077	-	
Barina	TK	10/05	10/11	1.6L (F16D3)	DOHC 16V (Petrol)	TKS026 TKS139	TTH002	TAC052	-	TMP119	Check illustrations for correct application
Barina	TM (1.6)	11/10	10/14	1.6L (F16D4)	DOHC 16V (Petrol)	TKS121	-	-	TAF104	TMP017 TMP132	Check illustrations for correct application
Barina	TM (RS)	11/13	10/14	1.4L (A14NET)	DOHC 16V (Petrol)	TKS138	-	-	TAF104	TMP076 TMP106	Check illustrations for correct application
Barina Spark	MJ	11/10	10/14	1.2L (B12D)	DOHC 16V (Petrol)	TKS026	-	-	TAF105	TMP017	Check illustrations for correct application
Calibra	YE	10/91	07/98	2.0L (C20LET, C20NE, C20XE)	Petrol	-	TTH003	-	-	-	
Calibra	YE95	08/95	07/98	2.0L (X20XE)	DOHC 16V (Petrol)	TKS055	TTH003	TAC044	TAF068	-	
Calibra	YE95 (V6)	08/95	07/98	2.5L (C25XE)	DOHC 24V (Petrol)	TKS056	TTH003	-	TAF131	-	
Captiva	CG (3.2 V6)	10/06	01/11	3.2L (Alloytech 169)	DOHC 24V (Petrol)	TKS080	-	-	TAF106	-	
Captiva	CG (2.4)	12/09	01/11	2.4L (Z24SED)	DOHC 16V (Petrol)	TKS026	-	-	-	TMP121	
Captiva	CG (Diesel)	03/07	01/11	2.0L (Z20S1)	SOHC 16V (Diesel)	-	-	-	TAF084	TMP130	
Captiva	CG II (2.4)	02/11	10/14	2.4L (LE5, LE9)	DOHC 16V (Petrol)	TKS052	-	-	TAF105	TMP017	
Captiva	CG II (3.0 V6)	02/11	10/14	3.0L (LF1, LFW)	DOHC 24V (Petrol)	-	-	-	TAF128	-	Check Air Flow Meter illustrations for correct application
Captiva	CG II (Diesel)	02/11	10/14	2.2L (Z22D1)	DOHC 16V (Diesel)	-	-	-	TAF128	TMP128	
Colorado	RC (2.4)	07/08	11/09	2.4L (Y24SE)	SOHC 8V (Petrol)	TKS053	-	-	-	TMP003	
Colorado	RC (3.6 V6)	07/08	05/12	3.6L (H9)	DOHC 24V (Petrol)	TKS080	-	-	TAF107 TAF159	TMP037	Check Air Flow Meter illustrations for correct application
Colorado	RC (Diesel)	07/08	05/12	3.0L (4JJ1TC)	DOHC 16V (Diesel)	-	-	-	TAF107 TAF108	TMP100 TMP101	Check illustrations for correct application
Colorado	RG (Diesel)	06/12	10/14	2.4L, 2.8L (LVN, LWH)	DOHC 16V (Diesel)	-	-	-	TAF105	TMP076	
Colorado 7	RG	11/12	10/14	2.8L (LWH)	DOHC 16V (Diesel)	-	-	-	TAF105	TMP076	
Combo Van	SB (1.4)	03/96	07/97	1.4L (C14NZ)	SOHC 8V (Petrol)	-	TTH001	TAC045 TAC070	-	TMP015	TAC045 suits M/T models, TAC070 suits A/T models
Combo Van	SB (1.4)	03/96	09/02	1.4L (C14SE)	SOHC 8V (Petrol)	-	TTH002	TAC046	-	TMP015	
Combo Van	XC (1.4)	05/05	10/14	1.4L (Z14XEP)	DOHC 16V (Petrol)	TKS062	-	-	TAF133	-	
Combo Van	XC (1.6)	09/02	04/05	1.6L (Z16SE)	SOHC 8V (Petrol)	TKS053	-	-	-	TMP003	
Commodore (6 Cyl.)	VL (Incl. Turbo)	03/86	08/88	3.0L (RB30E, RB30ET)	SOHC 12V (Petrol)	-	TTH049	-	-	-	TTH049 suits manual transmissions

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Holden cont.											
Commodore (6 Cyl.)	VL (2.0)	01/87	01/90	2.0L (RB20E)	SOHC 12V (Petrol)	-	TTH049	-	-	-	
Commodore (6 Cyl.)	VG, VN - VP	08/88	07/93	3.8L (LG2 VH)	OHV 12V (Petrol)	TKS092	TTH001	TAC053	-	-	
Commodore (6 Cyl.)	VR	07/93	04/95	3.8L (LG2 VH)	OHV 12V (Petrol)	TKS092	-	TAC053	-	TMP015	
Commodore (6 Cyl.)	VS - VT (Incl. S/Charged)	04/95	01/01	3.8L (LG2 VH, L67 VH)	OHV 12V (Petrol)	TKS091	TTH002	TAC053	TAF130	-	
Commodore (6 Cyl.)	VU, VX - VY II (Incl. S/Charged)	10/00	07/04	3.8L (LN3 VH, L67 VH, L67 VS, L36, LG3)	OHV 12V (Petrol)	TKS091	TTH002	TAC053	TAF130	-	Check Idle Air Control Valve illustrations for correct application
Commodore (6 Cyl.)	VZ	08/04	01/09	3.6L (LE0, LY7 Alloytec, HN)	DOHC 24V (Petrol, LPG)	TKS080	-	-	TAF159	TMP037	
Commodore (6 Cyl.)	VE	07/06	08/11	3.6L (LE0, LY7 Alloytec, HN)	DOHC 24V (Petrol, LPG)	TKS052 TKS080	-	-	TAF106 TAF135	-	Check illustrations for correct application
Commodore (6 Cyl.)	VE	09/09	04/13	3.0L, 3.6L (LFW, LWR, SIDI -LLT)	DOHC 24V (Petrol, LPG)	TKS052	-	-	TAF135 TAF145	TMP017 TMP132	Check Air Flow Meter illustrations for correct application
Commodore (6 Cyl.)	VF	05/13	10/14	3.0L, 3.6L (LFW, LFX)	DOHC 24V (Petrol)	TKS052	-	-	TAF145	TMP017	Check Air Flow Meter illustrations for correct application
Commodore (6 Cyl.)	VF (LPG)	05/13	10/14	3.6L (LWR)	DOHC 24V (LPG)	TKS052	-	-	TAF135	TMP017 TMP132	Check Manifold Absolute Pressure Sensor illustrations for correct application
Commodore (8 Cyl.)	VN - VP, VG	03/89	07/93	5.0L (LB9 VU)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	-	-	
Commodore (8 Cyl.)	VR	07/93	04/95	5.0L, 5.7L (LB9 VU, L98 VU)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	-	TMP015	
Commodore (8 Cyl.)	VS (5.0)	04/95	01/01	5.0L (LB9 VU)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015	
Commodore (8 Cyl.)	VS (5.7)	04/95	08/97	5.7L (L98)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	TAF130	TMP015	
Commodore (8 Cyl.)	VT (5.0)	09/97	06/99	5.0L (304, LB9 VM)	OHV 16V (Petrol)	TKS091	TTH001	-	-	-	
Commodore (8 Cyl.)	VT (5.7)	06/99	10/00	5.7L (L98)	OHV 16V (Petrol)	TKS091	TTH001	-	-	-	
Commodore (8 Cyl.)	VT (5.7)	06/99	10/00	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
Commodore (8 Cyl.)	VU, VX	10/00	09/02	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
Commodore (8 Cyl.)	VY	09/02	04/06	5.7L (LS1 Gen III, C4B)	OHV 16V (Petrol)	TKS089	TTH011	TAC058 TAC116	TAF134	TMP003	Check illustrations for correct application
Commodore (8 Cyl.)	VZ (5.7)	08/04	07/06	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	-	-	-	TMP003	
Commodore (8 Cyl.)	VZ (6.0)	08/04	08/07	6.0L (LS2, L76)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP003	Check Air Flow Meter illustrations for correct application
Commodore (8 Cyl.)	VE - VF	07/06	10/14	6.0L (L98, EVG, L77)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP017	
Cruze	JG	05/09	03/11	1.8L (F18D4)	DOHC 16V (Petrol)	TKS121	-	-	-	TMP105	
Cruze	JG (Diesel)	05/09	03/11	2.0L (Z20S1)	SOHC 16V (Diesel)	-	-	-	TAF116	TMP130	
Cruze	JH (1.4 - 1.6)	03/11	10/14	1.4L, 1.6L (14NET, A16LET)	DOHC 16V (Petrol)	TKS138	-	-	-	TMP017 TMP106	Check Manifold Absolute Pressure Sensor illustrations for correct application
Cruze	JH (1.8)	03/11	10/14	1.8L (F18D4)	DOHC 16V (Petrol)	TKS121	-	-	-	TMP105	
Cruze	JH (Diesel)	03/11	10/14	2.0L, 2.0L (Z20D1, Z20S1)	SOHC 16V (Diesel)	-	-	-	-	TMP128	
Epica	EP (2.0)	03/07	07/08	2.0L (X20D1)	DOHC 24V (Petrol)	TKS026	-	-	-	TMP120	
Epica	EP (2.5)	03/07	06/11	2.5L (X25D1)	DOHC 24V (Petrol)	TKS026	-	-	TAF161	TMP120	
Epica	EP (Diesel)	07/08	06/11	2.0L (Z20S1)	SOHC 16V (Diesel)	-	-	-	TAF144	TMP130	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Holden cont.											
Frontera	UED55 (UT)	10/95	03/99	2.0L (X20SE)	SOHC 8V (Petrol)	TKS021	TTH003	TAC054	-	-	Check Knock Sensor illustrations for correct application
Frontera	UES30	03/99	01/04	2.2L (X22SE)	DOHC 16V (Petrol)	TKS053	TTH002	TAC053	-	TMP003	
Frontera	UES25	03/99	01/04	3.2L (6VD1)	DOHC 24V (Petrol)	TKS114	-	TAC055	TAF130	TMP003	
Jackaroo	UBS17	07/88	03/92	2.6L (4ZE1)	SOHC 8V (Petrol)	-	TTH077 TTH078	-	-	-	TTH078 suits A/T models, TTH077 suits M/T models
Jackaroo	UBS92 (L2)	04/92	02/98	3.2L (6VD1)	SOHC 24V (Petrol)	-	-	TAC055	-	TMP015	
Jackaroo	UBS73 (L8)	03/98	12/02	3.0L (4JX1T)	DOHC 16V (Diesel)	-	TTH100	-	-	TMP015 TMP122	Check Manifold Absolute Pressure Sensor illustrations for correct application
Jackaroo	L8	02/98	09/04	3.5L (6VE1)	DOHC 24V (Petrol)	TKS114	TTH072	TAC055	TAF130	TMP003	
Jackaroo	UBS73 (L8)	01/03	09/04	3.0L (4JX1T)	DOHC 16V (Diesel)	-	TTH100	-	-	TMP015 TMP124	Check Manifold Absolute Pressure Sensor illustrations for correct application
Malibu	EM	06/13	10/14	2.4L (LE9)	DOHC 16V (Petrol)	TKS052	-	-	TAF145	TMP017	
Malibu	EM (Diesel)	06/13	10/14	2.0L (A20DTH)	DOHC 16V (Diesel)	-	-	-	TAF116	TMP076	
Monaro (6 Cyl.)	V2	12/01	08/03	3.8L (LN3 VH, L67 VH, L67 VS, L36, LG3)	OHV 12V (Petrol)	TKS091	TTH002	TAC053	TAF130	-	Check Idle Air Control Valve illustrations for correct application
Monaro (8 Cyl.)	V2 - V3	12/01	07/06	5.7L (LS1 Gen III, C4B)	OHV 16V (Petrol)	TKS089	TTH011	TAC058 TAC116	TAF134	TMP003	Check illustrations for correct application
Nova	LF (1.6)	09/91	09/94	1.6L (4A-FE)	DOHC 16V (Petrol)	-	TTH050	TAC017 TAC024	-	-	Check Idle Air Control Valve illustrations for correct application
Nova	LF (1.8)	09/91	09/94	1.8L (7A-FE)	DOHC 16V (Petrol)	-	TTH025	TAC024	-	-	
Nova	LG (1.6)	10/94	04/97	1.6L (4A-FE)	DOHC 16V (Petrol)	-	TTH025	TAC024	-	-	
Nova	LG (1.8)	10/94	04/97	1.8L (7A-FE)	DOHC 16V (Petrol)	TKS007	TTH025	TAC024	-	-	
Rodeo	TF88	07/88	01/93	2.6L (4ZE1)	SOHC 8V (Petrol)	-	TTH077 TTH078	TAC055	-	-	TTH078 suits A/T models, TTH077 suits M/T models
Rodeo	TF93 - TF97 (2.6)	02/93	06/98	2.6L (4ZE1)	SOHC 8V (Petrol)	-	TTH061	-	TAF157	-	
Rodeo	TF97 - TF99 (V6)	02/97	01/03	3.2L (6VD1)	DOHC 24V (Petrol)	-	TTH098	TAC114	TAF140	TMP123	Check Manifold Absolute Pressure Sensor illustrations for correct application
Rodeo	TF99 (2.2)	07/98	02/03	2.2L (C22NE)	SOHC 8V (Petrol)	TKS053	TTH002	TAC053	-	TMP003	
Rodeo	TF99 (Diesel)	12/01	01/03	3.0L (4JH1T)	OHV 8V (Diesel)	-	-	-	TAF117	-	
Rodeo	RA03 - RA07 (2.4)	11/02	07/08	2.4L (C24SE, Y24SE)	SOHC 8V (Petrol)	TKS053	-	-	-	TMP003	
Rodeo	RA03 (3.5 V6)	11/02	11/05	3.5L (6VE1)	DOHC 24V (Petrol)	-	TTH098	TAC114	TAF160	-	
Rodeo	RA03 (3.6 V6)	12/05	01/07	3.6L (HFV6)	DOHC 24V (Petrol)	TKS080	-	-	TAF159	TMP037	
Rodeo	RA03 (Diesel)	11/02	01/07	3.0L (4JH1TC)	OHV 8V (Diesel)	-	TTH099	-	TAF117	-	
Rodeo	RA07 (3.6 V6)	01/07	07/08	3.6L (HFV6)	DOHC 24V (Petrol)	TKS080	-	-	TAF107	TMP037	
Rodeo	RA07 (Diesel)	01/07	07/08	3.0L (4JJ1TCX)	DOHC 16V (Diesel)	-	-	-	TAF107 TAF108	TMP100 TMP101	Check illustrations for correct application
Statesman (6 Cyl.)	VQ	03/90	02/94	3.8L (LG2 VH)	OHV 12V (Petrol)	TKS092	TTH001	TAC053	-	-	
Statesman (6 Cyl.)	VR	03/94	04/95	3.8L (LG2 VH)	OHV 12V (Petrol)	TKS092	-	TAC053	-	TMP015	
Statesman (6 Cyl.)	VS - WH (Incl. S/Charged)	04/95	08/01	3.8L (LG2 VH, L67 VH)	OHV 12V (Petrol)	TKS091	TTH002	TAC053	TAF130	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Holden cont.											
Statesman (6 Cyl.)	WH II - WK (Incl. S/Charged)	08/01	07/04	3.8L (LN3 VH, L67 VH, L67 VS, L36, LG3)	OHV 12V (Petrol)	TKS091	TTH002	TAC053	TAF130	-	Check Idle Air Control Valve illustrations for correct application
Statesman (6 Cyl.)	WL	08/04	07/06	3.6L (LE0, LY7 Alloytec, HN)	DOHC 24V (Petrol, LPG)	TKS080	-	-	TAF159	TMP037	
Statesman (6 Cyl.)	WM	08/06	08/09	3.6L (LE0, LY7 Alloytec, HN)	DOHC 24V (Petrol, LPG)	TKS052 TKS080	-	-	TAF106 TAF135	-	Check illustrations for correct application
Statesman (6 Cyl.)	WM	09/09	08/10	3.6L (SIDI -LLT, LWR)	DOHC 24V (Petrol, LPG)	TKS052	-	-	TAF135 TAF145	TMP017 TMP132	Check Air Flow Meter illustrations for correct application
Statesman (8 Cyl.)	VQ	03/90	02/94	5.0L (LB9 VU)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	-	-	
Statesman (8 Cyl.)	VR	03/94	04/95	5.0L (LB9 VU, L98 VU)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	-	TMP015	
Statesman (8 Cyl.)	VS (5.0)	04/95	06/99	5.0L (LB9 VU)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015	
Statesman (8 Cyl.)	VS (5.7)	04/95	09/96	5.7L (L98)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	TAF130	TMP015	
Statesman (8 Cyl.)	WH	06/99	03/03	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
Statesman (8 Cyl.)	WK	04/03	07/04	5.7L (LS1 Gen III, C4B)	OHV 16V (Petrol)	TKS089	TTH011	TAC058 TAC116	TAF134	TMP003	Check illustrations for correct application
Statesman (8 Cyl.)	WL (5.7)	08/04	07/06	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	-	-	-	TMP003	
Statesman (8 Cyl.)	WL (6.0)	08/04	07/06	6.0L (LS2, L76)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP003	Check Air Flow Meter illustrations for correct application
Statesman (8 Cyl.)	WM	08/06	08/10	6.0L (L98, EVG, L77)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP017	
Suburban	1500 (K8)	02/98	07/02	5.7L (L31 Petrol)	OHV 16V (Petrol)	-	TTH011	-	-	-	
Tigra	XC	08/05	09/07	1.8L (Z18XE)	DOHC 16V (Petrol)	TKS058	-	-	TAF077	-	
Trax	TJ	08/13	10/14	1.8L (F18D4)	DOHC 16V (Petrol)	TKS121	-	-	TAF104	TMP017 TMP132	Check Manifold Absolute Pressure Sensor illustrations for correct application
Vectra	JR (2.0)	06/97	12/98	2.0L (C20SEL)	DOHC 16V (Petrol)	TKS055	TTH003	TAC079 TAC126	TAF068	-	Check Idle Air Control Valve illustrations for correct application
Vectra	JR (2.5 V6)	06/97	12/98	2.5L (X25XE)	DOHC 24V (Petrol)	TKS056	TTH003 TTH006	TAC054	TAF131 TAF132	-	TTH003, TAF131 To VIN no. V5999999, TTH006, TAF132 From VIN no. W5000001
Vectra	JS (2.0 - 2.2)	08/98	12/02	2.0L, 2.2L (C20SEL, C22SEL)	DOHC 16V (Petrol)	TKS055	TTH003	TAC079 TAC126	TAF068	-	Check Idle Air Control Valve illustrations for correct application
Vectra	JS (2.5 V6)	08/99	11/00	2.5L (X25XE)	DOHC 24V (Petrol)	TKS056	TTH006	TAC054	TAF132	-	
Vectra	JS (2.6 V6)	11/00	12/01	2.6L (Y26SE)	DOHC 24V (Petrol)	TKS123	-	-	TAF142	-	
Vectra	ZC (2.2)	03/03	12/06	2.2L (Z22SE)	DOHC 16V (Petrol)	TKS085	-	-	TAF115	TMP003	
Vectra	ZC (3.2 V6)	03/03	12/06	3.2L (Z32SE)	DOHC 24V (Petrol)	TKS123	-	-	TAF117	-	
Viva	JF	10/05	05/09	1.8L (F18D3)	DOHC 16V (Petrol)	TKS026	TTH002	TAC115	-	TMP125	
Zafira	TT	06/01	05/06	2.2L (Z22SE)	DOHC 16V (Petrol)	TKS085	-	-	-	TMP003	
Honda											
Accord	CC5	11/95	01/97	2.2L (F22B1)	SOHC 16V (Petrol)	-	-	-	-	TMP030	
Accord	CG5	12/97	12/98	2.3L (F23A1)	SOHC 16V (Petrol)	TKS022	-	TAC003	-	-	
Accord	CG1, CK1	12/97	06/03	3.0L (J30A1)	SOHC 24V (Petrol)	-	-	TAC029	-	-	
Accord	CL, CM	01/01	01/08	2.0L, 2.4L (K20A, K24A, K24A3, K24A4)	DOHC 16V (Petrol)	-	-	-	-	TMP039	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Honda cont.											
Accord	CM	08/03	01/08	3.0L (J30A4)	SOHC 24V (Petrol)	TKS023	-	-	-	-	
Civic	EK, EJ	10/95	11/00	1.6L (B16A2, D16Y5, D16Y7, D16Y8)	16V (Petrol)	TKS024	-	-	-	TMP030	Check Knock Sensor illustrations for correct application
Civic	ES, EP	01/00	01/06	1.5L, 1.7L, 2.0L (D15Y, D17A, K20A2)	16V (Petrol)	-	-	-	-	TMP039	
Civic	ES (Hybrid)	02/04	01/06	1.3L (LDA1)	SOHC 8V (Hybrid)	TKS025	-	-	-	TMP039	
CR-V	RD	01/96	12/01	2.0L (B20B1, B20B3)	DOHC 16V (Petrol)	-	-	-	-	TMP030	
CR-V	RD	01/01	01/04	2.0L (K20A4)	DOHC 16V (Petrol)	-	-	-	-	TMP039	
CR-V	RD	12/01	10/03	2.4L (K24A1)	DOHC 16V (Petrol)	TKS016	-	-	-	-	
CRX	EG2	09/92	09/98	1.6L (B16A2)	DOHC 16V (Petrol)	TKS141	-	-	-	-	
Fit	GD	01/01	01/06	1.3L (L13A)	SOHC 8V (Petrol)	-	-	-	-	TMP039	
HRV	GH	02/00	07/02	1.6L (D16W1, D16W5)	SOHC 16V (Petrol)	-	-	-	-	TMP030	
Integra	DC	01/94	12/99	1.8L (B18B2, B18C2)	DOHC 16V (Petrol)	TKS141	-	-	-	-	
Integra	DC	10/99	08/01	1.8L (B18B1)	DOHC 16V (Petrol)	TKS141	-	-	-	-	
Integra	DC (Incl. Type R)	09/01	10/04	2.0L (K20A2, K20A3)	DOHC 16V (Petrol)	TKS016	-	-	-	-	
Jazz	GD	01/02	08/08	1.3L (L13A1)	SOHC 8V (Petrol)	TKS062	-	-	-	TMP039	Check Manifold Absolute Pressure Sensor illustrations for correct application
Legend	KA9	05/96	03/98	3.5L (C35A3)	SOHC 24V (Petrol)	TKS024	-	-	-	-	
MDX	YD	03/03	11/04	3.5L (J35A5)	SOHC 24V (Petrol)	TKS023	-	-	-	-	
Odyssey	RA1, RA3	06/95	01/01	2.2L, 2.3L (F22B6, F23A1, F23A7)	SOHC 16V (Petrol)	TKS022	-	-	-	TMP030	Check illustrations for correct application
Odyssey	RB1	06/04	06/06	2.4L (K24A6)	DOHC 16V (Petrol)	TKS016	-	-	-	-	
Prelude	BA8, BB1, BB2	12/91	12/96	2.2L (F22A1, H22A1), 2.3L (H23A1)	DOHC 16V (Petrol)	TKS141	-	-	-	-	
Prelude	BB5, BB6	01/97	07/02	2.2L (F22Z6, H22A4, H22Z1)	DOHC 16V (Petrol)	TKS022	-	-	-	-	
S2000		03/02	07/09	2.0L (F20C1)	DOHC 16V (Petrol)	-	-	-	-	TMP030	
Stream	RN	01/00	01/05	1.7L, 2.0L (D17A, K20A)	16V (Petrol)	-	-	-	-	TMP039	
HSV											
VXR	AH	09/06	09/09	2.0L (Z20LEH)	DOHC 16V (Petrol)	TKS126	-	-	TAF129	TMP129 TMP131	Check Manifold Absolute Pressure Sensor illustrations for correct application
Avalanche	VY	12/03	04/06	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC058	TAF134	TMP003	
Clubsport	VP	05/93	12/93	5.0L (304)	OHV 16V (Petrol)	TKS092	TTH001	-	-	-	
Clubsport	VR	08/93	04/95	5.0L (304)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	-	TMP015	
Clubsport	VS	03/95	08/97	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015	
Clubsport, R8	VT - VX	07/99	09/02	5.7L (L98)	OHV 16V (Petrol)	TKS091	TTH001				
Clubsport, R8	VT - VX	07/99	09/02	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
Clubsport, R8	VY	01/02	09/04	5.7L (LS1 Gen III, LS1 C4B)	OHV 16V (Petrol)	TKS089	TTH011	TAC058	TAF134	TMP003	

Make and Model		Year		Engine		Part Number					Notes	
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
HSV cont.												
Clubsport, R8	VZ	10/04	07/06	6.0L (LS2)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP003	Check Air Flow Meter illustrations for correct application	
Clubsport, R8	VE - VF	08/06	10/14	6.0L, 6.2L (LS2, LS3)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP017		
Coupe 4, GTO, GTS	V2 (5.7)	12/01	04/06	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	-	-	-	TMP003		
Coupe, GTO	V2 (6.0)	10/04	11/07	6.0L (LS2)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP003	Check Air Flow Meter illustrations for correct application	
Grange	VS	10/96	12/98	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015		
Grange	WH	07/99	09/03	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003		
Grange	WK	10/03	09/04	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC058	TAF134	TMP003		
Grange	WL	09/04	07/06	6.0L (LS2)	OHV 16V (Petrol)	TKS099	-	-	-	TMP003		
Grange	WM - WN (6.0 - 6.2)	08/06	10/14	6.0L, 6.2L (L76, L98, LS2, LS3)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP017		
Grange	WM (3.6)	01/07	01/08	3.6L (H7)	DOHC 24V (Petrol)	TKS052 TKS080	-	-	TAF106 TAF135	-	Check illustrations for correct application	
GTS	VN	01/88	01/92	3.8L (L27, LN3)	OHV 12V (Petrol)	-	TTH001	-	-	-		
GTS	VR	01/93	04/95	5.0L, 5.7L (304, 304 stroker)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	-	TMP015		
GTS	VS (5.0)	04/95	08/97	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015		
GTS	VS (5.7)	04/95	08/97	5.7L (304 stroker)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	TAF130	TMP015		
GTS	VT (5.0)	01/97	01/00	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	-	-	-		
GTS	VT (5.7)	09/97	06/99	5.7L (L98)	OHV 16V (Petrol)	TKS091	TTH001	-	-	-		
GTS	VT (5.7)	09/97	06/99	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003		
GTS	VX	09/00	08/01	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003		
GTS	VY	11/02	09/04	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC058	TAF134	TMP003		
GTS	VE	01/06	06/13	6.0L, 6.2L (LS2, LS3)	OHV 16V (Dual Fuel)	TKS099	-	-	TAF054	TMP017		
GTS	VF	06/13	10/14	6.2L (LSA)	OHV 16V (Petrol)	TKS099	-	-	TAF105	TMP017		
Maloo	VS	04/95	10/00	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015		
Maloo R8	VU	03/01	09/02	5.7L (LS1)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003		
Maloo	VY	10/02	12/04	5.7L (LS1 Gen III, LS1 CB4)	OHV 16V (Petrol)	TKS089	TTH011	TAC058	TAF134	TMP003		
Maloo R8	VZ	10/04	09/07	6.0L (LS2)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP003	Check Air Flow Meter illustrations for correct application	
Maloo R8	VE - VF	01/06	10/14	6.0L, 6.2L (LS2, LS3)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP017		
Manta	VS	04/95	08/97	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015		
Manta	VT	09/97	01/99	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	-	-	-		
Senator	VR	08/93	05/95	5.0L, 5.7L (304, 304 stroker)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	-	TMP015		
Senator	VS	04/95	08/97	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	TAC053	TAF130	TMP015		
Senator	VS	04/95	08/97	5.7L (304 stroker)	OHV 16V (Petrol)	TKS092	TTH001	TAC053	TAF130	TMP015		

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
HSV cont.											
Senator	VT	09/97	06/99	5.7L (L98)	OHV 16V (Petrol)	TKS091	TTH001	-	-	-	
Senator	VT	09/97	06/99	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
Senator	VX	09/00	09/02	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
Senator	VY	09/03	09/04	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC058	TAF134	TMP003	
Senator	VZ	10/04	07/06	6.0L (LS2)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP003	Check Air Flow Meter illustrations for correct application
Senator	VE - VF	08/06	10/14	6.0L, 6.2L (LS2, LS3)	OHV 16V (Dual Fuel)	TKS099	-	-	TAF054	TMP017	
SV300	VX	09/01	12/01	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
SV6000	VZ	08/05	04/06	6.0L (LS2)	OHV 16V (Petrol)	TKS099	-	-	TAF054	TMP003	Check Air Flow Meter illustrations for correct application
SV99	VT	07/99	04/00	5.7L (LS1 Gen III)	OHV 16V (Petrol)	TKS089	TTH011	TAC116	TAF134	TMP003	
XU8	VT	01/99	06/99	5.0L (304)	OHV 16V (Petrol)	TKS091	TTH001	-	-	-	
Hyundai											
Accent	LC - LS	06/00	04/06	1.5L, 1.6L (G4EC, G4EC2)	DOHC 16V (Petrol)	TKS064	TTH006	TAC043	-	TMP029	Check Throttle Position Sensor illustrations for correct application
Accent	MC	04/06	04/10	1.6L (G4ED)	DOHC 16V (Petrol)	TKS064	-	TAC043	-	TMP029	
Accent	Diesel	01/06	01/07	1.5L (D4FA)	DOHC 16V (Diesel)	-	-	-	TAF065	TMP042	
Accent	RB	07/11	10/14	1.6L (G4FC)	DOHC 16V (Petrol)	TKS113	-	-	-	TMP050	
Accent	RB (Diesel)	01/12	10/14	1.6L (D4FB)	DOHC 16V (Diesel)	-	-	-	-	TMP042	
Atoz		01/00	01/03	1.0L (G4HC)	SOHC 12V (Petrol)	-	-	-	-	TMP029	
Coupe	RD	07/96	04/97	1.8L, 2.0L (G4GM, G4GFT)	DOHC 16V (Petrol)	TKS061	TTH003	TAC010	-	TMP015	Check Throttle Position Sensor illustrations for correct application
Coupe	RD	04/97	04/02	1.8L, 2.0L (G4GM, G4GFT)	DOHC 16V (Petrol)	TKS061	TTH003	TAC010	-	TMP086	Check Throttle Position Sensor illustrations for correct application
Elantra	XD Incl. Lavita (1.6)	10/00	09/03	1.6L (G4ED)	DOHC 16V (Petrol)	TKS064	TTH006	TAC012	-	TMP029	Check illustrations for correct application
Elantra	XD Incl. Lavita (1.8)	10/00	01/07	1.8L (G4GB)	DOHC 16V (Petrol)	TKS064 TKS066	TTH006	TAC043	-	TMP029	Check illustrations for correct application
Elantra	XD (2.0)	11/00	02/03	2.0L (G4GC)	DOHC 16V (Petrol)	TKS064	TTH006	TAC043	TAF057	TMP029	Check illustrations for correct application
Elantra	XD (2.0)	02/03	02/07	2.0L (G4GC)	DOHC 16V (Petrol)	TKS066	TTH006	TAC043	TAF057	TMP029	Check illustrations for correct application
Elantra	HD	09/06	05/11	2.0L (G4GC6)	DOHC 16V (Petrol)	TKS124	-	TAC011	-	TMP029	
Elantra	MD	06/11	10/14	1.8L (G4NBB)	DOHC 16V (Petrol)	TKS122	-	-	-	-	
Excel	X2	01/90	11/94	1.5L (G4DJ)	SOHC 8V (Petrol)	-	-	TAC010	-	-	
Excel	X3 (SOHC)	09/94	04/98	1.5L (G4EKR)	SOHC 12V (Petrol)	TKS021	TTH003	TAC010	-	-	
Excel	X3 (DOHC)	01/98	06/00	1.5L (G4FKR)	DOHC 16V (Petrol)	TKS061	TTH003	TAC012	-	-	
Getz	TB (1.3)	03/03	10/05	1.3L (G4EA2)	SOHC 12V (Petrol)	TKS129	TTH006	TAC043	-	TMP029	Check Throttle Position Sensor illustrations for correct application
Getz	TB (1.4, 1.6)	10/05	08/11	1.4L, 1.6L (G4EE, G4ED)	DOHC 16V (Petrol)	TKS064	-	-	-	TMP029	
Getz	TB (1.5)	09/02	05/05	1.5L (G4EC)	DOHC 16V (Petrol)	TKS064	TTH006	TAC043	-	TMP029	Check Throttle Position Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Hyundai cont.											
Getz	TB (Diesel)	10/06	08/11	1.5L (D4FA)	DOHC 16V (Diesel)	-	-	-	TAF065	TMP042	
Grandeur	XG (3.0)	09/99	01/04	3.0L (G6CTX)	DOHC 24V (Petrol)	-	TTH069 TTH085	-	TAF146	-	TTH085 suits models with traction control
Grandeur	XG (3.5)	01/02	01/04	3.5L (G6CU)	DOHC 24V (Petrol)	-	TTH085	-	TAF137	TMP066	
Grandeur	TG	02/06	01/11	3.8L (Lambda)	DOHC 24V (Petrol)	TKS127	-	-	-	TMP066	
Grandeur	TG (Diesel)	11/08	01/11	2.2L (D4EB)	DOHC 16V (Diesel)	-	-	-	TAF039	TMP042	
i20	PB	07/10	05/12	1.4L, 1.6L (G4FA, G4FC)	DOHC 16V (Petrol)	TKS113	-	TAC121	-	TMP050	
i30	FD (1.6)	01/08	04/12	1.6L (G4FC)	DOHC 16V (Petrol)	TKS113	-	TAC121	-	TMP050	Check Idle Air Control Valve illustrations for correct application
i30, i30cw	FD (2.0)	10/07	10/14	2.0L (G4GC)	DOHC 16V (Petrol)	TKS124	-	TAC011	-	TMP029	
i30, i30cw	FD (Diesel)	10/07	01/13	1.6L (D4FB)	DOHC 16V (Diesel)	-	-	-	TAF065	TMP042	
i30	GD (1.6)	06/13	10/14	1.6L (G4FD)	DOHC 16V (Petrol)	TKS113	-	-	-	-	
i30	GD (1.8)	05/12	10/14	1.8L (G4NB)	DOHC 16V (Petrol)	TKS122	-	-	-	-	
i30	GD (Diesel)	05/12	10/14	1.6L (D4FB)	DOHC 16V (Diesel)	-	-	-	TAF065	TMP042	
i40	VF	10/11	10/14	2.0L (G4NC)	DOHC 16V (Petrol)	TKS122	-	-	-	-	
i40	VF (Diesel)	10/11	10/14	1.7L (D4FD)	DOHC 16V (Diesel)	-	-	-	TAF065	TMP042	
i45	YF	05/10	01/13	2.0L, 2.4L (G4KD, G4KJ)	DOHC 16V (Petrol)	TKS103	-	-	-	TMP050	
iLoad, iMax	TQ	02/08	10/14	2.4L (G4KG8)	DOHC 16V (Petrol)	TKS020	-	-	-	TMP050	
iLoad, iMax	TQ (Diesel)	02/08	10/14	2.5L (D4CB)	DOHC 16V (Diesel)	-	-	-	TAF039	TMP042 TMP085	Check Manifold Absolute Pressure Sensor illustrations for correct application
iX35	LM	02/10	10/14	2.0L, 2.4L (G4KD, G4KG)	DOHC 16V (Petrol)	TKS103	-	-	-	TMP050	
iX35	LM (Diesel)	02/10	10/14	2.0L (D4HA)	DOHC 16V (Diesel)	-	-	-	TAF081	TMP085	
Lantra	J2 (1.8)	08/95	04/97	1.8L (G4GMR)	DOHC 16V (Petrol)	TKS061	TTH003	TAC010	-	TMP015	Check Throttle Position Sensor illustrations for correct application
Lantra	J2 - J3 (1.8 - 2.0)	04/97	12/00	1.8L, 2.0L (G4GMR, G4GF, G4GMS)	DOHC 16V (Petrol)	TKS061	TTH003	TAC010	-	TMP086	Check Throttle Position Sensor illustrations for correct application
S Coupe	1N (Incl. Turbo)	10/92	12/96	1.5L (G4EK, G4EKT)	SOHC 12V (Petrol)	TKS021	TTH003	TAC010	-	-	Check illustrations for correct application
Santa Fe	SM (2.4)	10/00	10/03	2.4L (G4JS)	DOHC 16V (Petrol)	TKS067	TTH084	TAC012	TAF138 TAF147	TMP066	Check Air Flow Meter illustrations for correct application
Santa Fe	SM (2.7 V6)	10/00	04/06	2.7L (G6BA, G6EAY)	DOHC 24V (Petrol)	TKS077 TKS105	TTH047	TAC012	TAF083	-	Check Knock Sensor illustrations for correct application
Santa Fe	CM (2.7 V6)	05/06	10/09	2.7L (G6EA5)	DOHC 24V (Petrol)	TKS119 TKS120	-	-	-	TMP066	TKS119 replaces RH bank, TKS120 replaces LH bank
Santa Fe	CM (3.3 V6)	07/07	11/08	3.3L (G6DB)	DOHC 24V (Petrol)	TKS127	-	-	-	TMP066	
Santa Fe	CM (3.5 V6)	11/09	08/12	3.5L (G6DC)	DOHC 24V (Petrol)	TKS127	-	-	-	-	
Santa Fe	CM (Diesel)	11/06	10/09	2.2L (D4EB6)	SOHC 16V (Diesel)	-	-	-	-	TMP042	
Sonata	Y2 - Y3 (3.0 V6)	03/90	08/98	3.0L (G6AT)	SOHC 12V (Petrol)	-	TTH040	TAC007	-	-	Check Throttle Position Sensor illustrations for correct application
Sonata	Y3 (2.0)	10/93	08/98	2.0L (G4CPP)	DOHC 16V (Petrol)	-	-	TAC012	-	-	
Sonata	EF (2.0)	08/98	10/01	2.0L (G4JPV)	DOHC 16V (Petrol)	-	TTH083	TAC012	-	TMP029	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Hyundai cont.											
Sonata	EF (2.5 V6)	08/98	10/01	2.5L (G6BVV)	DOHC 24V (Petrol)	TKS077 TKS105	TTH047	TAC012	TAF016	-	TKS105 replaces LH bank, TKS077 replaces RH bank
Sonata	EF - B (2.4)	10/01	10/02	2.4L (G4JS)	DOHC 16V (Petrol)	TKS067	TTH084	TAC012	TAF147	TMP066	Check Manifold Absolute Pressure Sensor illustrations for correct application
Sonata	EF - B (2.4)	10/02	06/05	2.4L (G4JS)	DOHC 16V (Petrol)	TKS067	TTH084	TAC012	TAF138	TMP066	Check Manifold Absolute Pressure Sensor illustrations for correct application
Sonata	EF - B (2.7 V6)	10/01	06/05	2.7L (G6BA)	DOHC 24V (Petrol)	TKS077 TKS105	TTH047	TAC012	TAF083	-	TKS105 replaces LH bank, TKS077 replaces RH bank
Sonata	NF (2.4)	06/05	05/08	2.4L (G4KC)	DOHC 16V (Petrol)	TKS020	-	-	-	-	
Sonata	NF (2.4)	06/08	04/10	2.4L (G4KE)	DOHC 16V (Petrol)	TKS103	-	-	-	TMP050	
Sonata	NF (3.3 V6)	06/05	05/08	3.3L (G6DB)	DOHC 24V (Petrol)	TKS127	-	-	-	TMP066	
Sonata	NF (Diesel)	06/08	04/10	2.0L (D4EA)	DOHC 16V (Diesel)	-	-	-	TAF039	TMP042	
Terracan	HP	11/01	02/03	3.5L (G6CU)	DOHC 24V (Petrol)	-	-	-	TAF137	TMP066	
Terracan	HP	02/03	07/08	3.5L (G6CU)	DOHC 24V (Petrol)	-	TTH069	-	TAF137	TMP066	
Terracan	HP (Diesel)	01/05	07/08	2.9L (J3)	DOHC 16V (Diesel)	TKS105	-	-	TAF091	-	
Tiburon	GK (2.0)	03/02	02/03	2.0L (G4GC)	DOHC 16V (Petrol)	TKS064	TTH006	TAC043	TAF057	TMP029	Check illustrations for correct application
Tiburon	GK (2.0)	02/03	04/04	2.0L (G4GC)	DOHC 16V (Petrol)	TKS066	TTH006	TAC043	TAF057	TMP029	Check illustrations for correct application
Tiburon	GK (2.7 V6)	01/02	09/06	2.7L (G6BA)	DOHC 24V (Petrol)	TKS066 TKS077	TTH006 TTH047	TAC012 TAC043	TAF057 TAF083	-	Check illustrations for correct application
Tiburon	GK (2.7 V6)	09/06	12/06	2.7L (G6BA)	DOHC 24V (Petrol)	TKS066 TKS077	TTH006 TTH047	TAC012 TAC043	TAF057 TAF083	TMP029	Check illustrations for correct application
Tiburon	GK (2.7 V6)	12/06	10/10	2.7L (G6BA)	DOHC 24V (Petrol)	TKS077 TKS105	TTH006 TTH047	TAC012	TAF057 TAF083	TMP029	Check illustrations for correct application
Trajat	FO	06/02	01/07	2.7L (G6BA)	DOHC 24V (Petrol)	TKS077 TKS105	TTH047	TAC012	TAF083	-	TKS105 replaces LH bank, TKS077 replaces RH bank
Tucson	JM (2.7 V6)	08/04	01/10	2.7L (G6BA3)	DOHC 24V (Petrol)	TKS077 TKS105	TTH047	TAC012	TAF083	-	TKS105 replaces LH bank, TKS077 replaces RH bank
Tucson	JN (2.0)	11/05	01/10	2.0L (G4GC)	DOHC 16V (Petrol)	TKS066	TTH006	-	TAF057	TMP029	
Veloster	FS	02/12	10/14	1.6L (G4FD)	DOHC 16V (Petrol)	TKS113	-	-	-	TMP042	
Jaguar											
XF	X250 (2.0)	01/12	10/14	2.0L (204PT)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP073	
XF	X250 (3.0)	01/12	10/14	3.0L (306PS)	DOHC 24V (Petrol)	TKS032 TKS134	-	-	-	TMP010	
XF	X250 (4.2)	06/08	07/09	4.2L (AJ34)	DOHC 32V (Petrol)	-	-	-	-	TMP096	
XF	X250 (5.0)	08/09	10/14	5.0L	DOHC 32V (Petrol)	TKS134	-	-	-	TMP010	
XF	X250 (Diesel)	01/09	10/11	3.0L	DOHC 24V (Diesel)	TKS134	-	-	-	TMP010	
XJ	X351 (3.0)	01/13	10/14	3.0L (306PS)	DOHC 24V (Petrol)	TKS134	-	-	-	TMP010	
XJ	X351 (5.0)	01/10	01/13	5.0L (508PN)	DOHC 32V (Petrol)	TKS134	-	-	-	-	
XJ	X351 (5.0 S/C)	01/10	10/14	5.0L (508PS)	DOHC 32V (Petrol)	TKS134	-	-	-	TMP010	
XJ6		03/04	06/08	3.0L (AJ-V6)	DOHC 24V (Petrol)	TKS032	-	-	-	-	TKS032 from VIN no. G49701
XK/XKR/XKR-S	X150 (5.0 Incl. S/C)	01/10	10/14	5.0L (508PS, 508PN)	DOHC 32V (Petrol)	TKS134	-	-	-	TMP010	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Jeep											
Cherokee	XJ	04/94	08/01	4.0L (312MX (ERO))	OHV 12V (Petrol)	-	TTH021	-	-	TMP051	Check illustrations for correct application
Cherokee	KJ (2.4)	02/04	2005	2.4L (ED1, EDO)	DOHC 16V (Petrol)	-	TTH022	TAC099	-	TMP038	
Cherokee	KJ (2.4)	2005	01/06	2.4L (ED1, EDO)	DOHC 16V (Petrol)	-	TTH060	TAC099	-	TMP038	
Cherokee	KJ (3.7)	09/01	2004	3.7L (EKG, EKO)	SOHC 12V (Petrol)	TKS048	TTH022 TTH060	TAC066	-	TMP053	Check Throttle Position Sensor illustrations for correct application
Cherokee	KJ (3.7)	2004	11/04	3.7L (EKG, EKO)	SOHC 12V (Petrol)	TKS048	TTH022 TTH060	TAC099	-	TMP038	Check Throttle Position Sensor illustrations for correct application
Cherokee	KJ (3.7)	11/04	2005	3.7L (EKG, EKO)	SOHC 12V (Petrol)	TKS048	TTH022	TAC099	-	TMP038	
Cherokee	KJ (3.7)	2005	02/08	3.7L (EKG, EKO)	SOHC 12V (Petrol)	TKS048	TTH060	TAC100	-	TMP038	
Cherokee	KJ (Diesel)	2005	02/08	2.8L (ENR, ENO)	DOHC 16V (Diesel)	-	-	-	TAF058	TMP001	Check Manifold Absolute Pressure Sensor illustrations for correct application
Cherokee	KK (3.7)	03/08	10/14	3.7L (8W (EKG))	SOHC 12V (Petrol)	-	-	-	-	TMP038	
Cherokee	KK (Diesel)	03/08	10/14	2.8L (ENO, ENS)	DOHC 16V (Diesel)	-	-	-	TAF058	TMP001	Check Manifold Absolute Pressure Sensor illustrations for correct application
Commander	XH (4.7)	05/06	03/10	4.7L (3Y5 (EVA, EVO))	SOHC 16V (Petrol)	-	TTH045	-	-	TMP038	
Commander	XH (5.7)	05/06	11/06	5.7L (EZB, EZO)	OHV 16V (Petrol)	TKS101	-	-	-	TMP038	
Commander	XH (5.7)	11/06	03/10	5.7L (EZB, EZO)	OHV 16V (Petrol)	TKS101	-	-	-	TMP043	
Commander	XH (Diesel)	05/06	03/10	3.0L (EXL, EXO)	DOHC 24V (Diesel)	-	-	-	-	TMP001	
Compass	MK	01/08	03/10	2.4L (8D (ED3))	DOHC 16V (Petrol)	TKS101	-	-	-	-	
Grand Cherokee	ZG	01/97	06/99	4.0L (MX (ERO))	OHV 12V (Petrol)	-	TTH021	TAC067	-	TMP051	
Grand Cherokee	WJ (4.0)	07/99	10/00	4.0L (ERH, ERO)	OHV 12V (Petrol)	-	TTH021	TAC065	-	TMP051	
Grand Cherokee	WJ (4.7)	06/99	02/03	4.7L (XY (EVO))	SOHC 16V (Petrol)	-	TTH045	TAC066	-	TMP107	
Grand Cherokee	WG (4.0)	11/00	2005	4.0L (ERH, ERO)	OHV 12V (Petrol)	-	TTH021 TTH022	TAC065	-	TMP051	Check Throttle Position Sensor illustrations for correct application
Grand Cherokee	WG (4.0)	2005	05/05	4.0L (ERH, ERO)	OHV 12V (Petrol)	-	TTH022	TAC065	-	TMP077	
Grand Cherokee	WG (4.7)	11/00	05/05	4.7L (XY (EVA, EVC, EVO))	SOHC 16V (Petrol)	-	TTH045	TAC066	-	TMP053 TMP107	Check Manifold Absolute Pressure Sensor illustrations for correct application
Grand Cherokee	WH (3.7)	03/07	07/08	3.7L (7Y (EKG))	SOHC 12V (Petrol)	-	-	-	-	TMP038	
Grand Cherokee	WH (4.7)	06/05	07/08	4.7L (XY (EVO))	SOHC 16V (Petrol)	-	TTH045	-	-	TMP038	
Grand Cherokee	WH (4.7)	08/08	03/10	4.7L (XY (EVO))	SOHC 16V (Petrol)	-	-	-	-	TMP038	
Grand Cherokee	WH (5.7)	06/05	01/11	5.7L (Hemi (EZO))	OHV 16V (Petrol)	TKS101	-	-	-	TMP038 TMP043	Check Manifold Absolute Pressure Sensor illustrations for correct application
Grand Cherokee	WH (SRT8)	08/06	06/05	6.1L (5Y (ESF))	SOHC 16V (Petrol)	TKS101	-	-	-	TMP061	
Grand Cherokee	WH (SRT8)	06/05	01/11	6.1L (5Y (ESF))	SOHC 16V (Petrol)	TKS101	-	-	-	TMP038	
Grand Cherokee	WH (Diesel)	06/05	01/11	3.0L (EXL, O)	DOHC 24V (Diesel)	-	-	-	-	TMP001	
Patriot	MK	08/07	02/12	2.4L (8D (ED3))	DOHC 16V (Petrol)	TKS101	-	-	-	-	
Wrangler	TJ	10/96	1997	4.0L (MX (ERO))	OHV 12V (Petrol)	-	TTH021 TTH087	TAC067	-	TMP051 TMP118	Check illustrations for correct application
Wrangler	TJ	1997	01/00	4.0L (MX (ERO))	OHV 12V (Petrol)	-	TTH021 TTH087	TAC065	-	TMP051 TMP118	Check illustrations for correct application
Wrangler	TJ	01/00	02/02	4.0L (MX (ERO))	OHV 12V (Petrol)	-	TTH021 TTH022	TAC065	-	TMP051	Check Throttle Position Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Jeep cont.											
Wrangler	TJ	02/02	2005	4.0L (MX (ERO))	OHV 12V (Petrol)	-	TTH021 TTH022	TAC065	-	TMP077	Check Throttle Position Sensor illustrations for correct application
Wrangler	TJ	2005	01/07	4.0L (MX (ERO))	OHV 12V (Petrol)	-	TTH060	TAC065 TAC100	-	-	Check Idle Air Control Valve illustrations for correct application
Wrangler	JK	03/07	01/12	3.8L (EGT)	OHV 12V (Petrol)	TKS101	-	-	-	TMP043	
Wrangler	JK (Diesel)	03/07	01/11	2.8L (ENS)	DOHC 16V (Diesel)	-	-	-	TAF058	TMP001	
Kia											
Carens		07/00	10/02	1.8L (TB)	DOHC 16V (Petrol)	-	TTH003	TAC013	TAF101	-	
Carens	Diesel	01/09	10/14	2.0L (D4EA)	DOHC 16V (Diesel)	-	-	-	-	TMP042	
Carnival	KV11	09/99	12/00	2.5L (K5)	DOHC 24V (Petrol)	-	TTH003	TAC012	TAF016	-	
Carnival	KV11	12/00	01/06	2.5L (K5)	DOHC 24V (Petrol)	-	TTH003	TAC013	TAF016	-	
Carnival	VQ	08/06	04/11	2.7L (G6EA)	DOHC 24V (Petrol)	TKS119 TKS120	-	-	-	TMP066	Check illustrations for correct application
Carnival	VQ (Diesel)	01/08	05/11	2.9L (J3)	DOHC 16V (Diesel)	TKS135	-	-	TAF039	-	Check Knock Sensor illustrations for correct application
Cerato	LD	07/04	09/06	2.0L (G4GC)	DOHC 16V (Petrol)	TKS066 TKS124	TTH006	TAC043	TAF057	TMP029	Check Knock Sensor illustrations for correct application
Cerato	LD	09/06	01/09	2.0L (G4GC)	DOHC 16V (Petrol)	TKS066 TKS124	TTH006	TAC011	TAF057	TMP029	Check Knock Sensor illustrations for correct application
Cerato	TD	09/09	10/14	2.0L (G4KD)	DOHC 16V (Petrol)	TKS020	-	-	-	TMP050	
Credos	G11	05/98	05/01	2.0L (FE)	DOHC 16V (Petrol)	-	TTH003	TAC012	-	-	
Grand Carnival	VQ (3.5)	06/10	10/14	3.5L (G6DC)	DOHC 24V (Petrol)	-	-	-	-	TMP066	
Grand Carnival	VQ (3.8)	01/06	05/10	3.8L (G6DA)	DOHC 24V (Petrol)	TKS127	-	-	-	TMP066	
Grand Carnival	VQ (Diesel 2.9)	03/09	05/11	2.9L (J3)	DOHC 16V (Diesel)	TKS135	-	-	TAF039	-	Check Knock Sensor illustrations for correct application
Grand Carnival	VQ (Diesel 2.0)	06/11	10/14	2.2L (D4HH)	DOHC 16V (Diesel)	-	-	-	TAF081	TMP085	
K2700	PU	04/05	03/08	2.7L (J2)	SOHC 8V (Diesel)	-	-	-	TAF039	-	
K2900	PU	04/08	01/13	2.9L (J3)	DOHC 16V (Diesel)	TKS135	-	-	TAF039	TMP042	TKS135 replaces rear unit
Magentis	MG (2.4)	08/06	03/10	2.4L (G4KC)	DOHC 16V (Petrol)	TKS020	-	-	-	-	
Magentis	MG (2.7)	06/06	08/08	2.7L (G6EA)	DOHC 24V (Petrol)	TKS119 TKS120	-	-	-	-	Check Knock Sensor illustrations for correct application
Mentor	FA	12/96	05/98	1.5L (B5)	SOHC 8V (Petrol)	-	TTH097	-	-	TMP015	
Mentor	FB (1.5)	05/98	06/00	1.5L (BF)	DOHC 16V (Petrol)	-	TTH003	TAC012	-	TMP015	
Mentor	FB (1.8)	05/98	12/00	1.8L (TE)	DOHC 16V (Petrol)	-	TTH003	TAC012	TAF101	-	
Mentor	FB (1.8)	12/00	01/02	1.8L (TE)	DOHC 16V (Petrol)	-	TTH003	TAC013	TAF101	-	
Optima	GD	01/01	07/06	2.5L, 2.7L (G6BV, G6BA)	DOHC 24V (Petrol)	TKS077 TKS105	TTH047	TAC012	TAF083	-	TKS077 replaces RH bank, TKS105 replaces LH bank
Optima	TF	01/11	10/14	2.4L (G4KJ)	DOHC 16V (Petrol)	TKS103	-	-	-	TMP050	
Rio	BC	07/00	09/05	1.5L (A5D)	DOHC 16V (Petrol)	TKS017	TTH003	TAC012 TAC013	-	TMP113	Check Idle Air Control Valve illustrations for correct application
Rio	BC	09/05	01/07	1.5L (A5D)	DOHC 16V (Petrol)	-	TTH003	-	-	-	
Rio	JB (1.4)	03/07	08/11	1.4L (G4EE)	DOHC 16V (Petrol)	TKS133	TTH057	-	-	TMP029	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Kia cont.											
Rio	JB (1.6)	09/05	11/09	1.6L (G4ED)	DOHC 16V (Petrol)	TKS133	TTH057	-	TAF057	TMP029	
Rio	JB (Diesel)	01/10	08/11	1.5L (D4FA)	DOHC 16V (Diesel)	-	-	-	-	TMP042	
Rio	UB	09/11	10/14	1.4L, 1.6L (G4FA, G4FD)	DOHC 16V (Petrol)	TKS113	-	-	-	TMP050	
Rondo	UN	04/08	05/13	2.0L (G4KA)	DOHC 16V (Petrol)	TKS020	TTH057	TAC108	-	-	
Shuma	FB	01/00	04/01	1.8L (TE)	DOHC 16V (Petrol)	TKS068	TTH003	TAC013	-	-	
Sorento	JC	01/05	01/07	2.5L (A5)	DOHC 16V (Diesel)	-	-	-	TAF091	TMP042	
Sorento	BL (3.3, 3.8)	08/06	09/09	3.3L, 3.8L (G6DB, G6DA)	DOHC 24V (Petrol)	-	-	-	-	TMP066	
Sorento	BL (3.5)	02/03	09/09	3.5L (G6CU)	DOHC 24V (Petrol)	-	TTH069	-	TAF137	-	
Sorento	BL (Diesel)	08/07	09/09	2.5L (D4CB6)	DOHC 16V (Diesel)	-	-	-	TAF039 TAF091	TMP042	Check Air Flow Meter illustrations for correct application
Sorento	XM	10/09	07/11	2.4L (G4KE)	DOHC 16V (Petrol)	TKS103	-	-	-	TMP050	
Sorento	XM (Diesel)	10/09	10/14	2.2L (D4HB)	DOHC 16V (Diesel)	-	-	-	TAF081	TMP085	
Soul	AM	04/09	10/14	1.6L (G4FC)	DOHC 16V (Petrol)	TKS113	-	TAC121	-	TMP050	
Soul	AM (Diesel)	04/09	10/14	1.6L (D4FB)	DOHC 16V (Diesel)	-	-	-	TAF065	TMP042	
Spectra	FB	05/01	03/04	1.8L (TE)	DOHC 16V (Petrol)	TKS068	TTH003	TAC013	-	-	
Sportage	JA	01/96	01/99	2.0L (FE)	DOHC 16V (Petrol)	-	TTH003	TAC010	TAF101	-	
Sportage	JA	08/99	03/04	2.0L (FE)	DOHC 16V (Petrol)	TKS061	TTH003	TAC012	TAF101	-	
Sportage	KM (2.0)	08/07	07/10	2.0L (G4GC)	DOHC 16V (Petrol)	TKS066	TTH006	TAC011	TAF082	TMP029	
Sportage	KM (2.7)	04/05	08/09	2.7L (G6BA)	DOHC 24V (Petrol)	TKS077 TKS105	TTH047	TAC012	TAF083	-	TKS077 replaces RH bank, TKS105 replaces LH bank
Sportage	KM (Diesel)	08/07	03/10	2.0L (D4EA)	SOHC 8V (Diesel)	-	-	-	TAF039	TMP042	
Sportage	SL (2.0 - 2.4)	08/10	10/14	2.0L, 2.4L (G4KD, G4KE)	DOHC 16V (Petrol)	TKS103	-	-	-	TMP050	
Sportage	SL (Diesel)	08/10	10/14	2.0L (D4HA)	DOHC 16V (Diesel)	-	-	-	TAF081	TMP085	
Land Rover											
Defender	90 - 130	10/07	01/12	2.4L (244DT)	DOHC 16V (Diesel)	-	-	-	TAF045	-	To VIN no. (V)BA999999
Defender	90 - 130	01/12	10/14	2.2L (DT244)	DOHC 16V (Diesel)	-	-	-	-	TMP073	
Discovery II		01/98	03/05	4.0L (55D, 94D)	OHV 16V (Petrol)	TKS071	TTH006	-	TAF074	-	Check Throttle Position Sensor illustrations for correct application
Discovery II	TD5	03/99	03/05	2.5L (10P, 16P, 19P)	SOHC 10V (Diesel)	-	-	-	TAF085	TMP110	
Discovery III		04/05	09/09	2.7L (276DT)	DOHC 24V (Diesel)	-	-	-	TAF119	-	TAF119 to VIN no. (V)5A333224
Discovery III		04/05	09/09	4.0L (1V)	SOHC 12V (Petrol)	TKS128	-	-	-	-	
Discovery III	SDV6, TDV6	09/09	10/14	3.0L (306DT)	DOHC 24V (Diesel)	-	-	-	TAF096	-	TAF096 from VIN no. (V)AA000001
Discovery III		09/09	10/14	5.0L (508PN)	DOHC 32V (Petrol)	TKS134	-	-	-	-	
Freelander	TD4	11/00	04/07	2.0L (M47 D20)	DOHC 16V (Diesel)	-	-	-	TAF136	TMP089	Check Manifold Absolute Pressure Sensor illustrations for correct application
Freelander		11/00	02/06	2.5L (25K)	DOHC 24V (Petrol)	-	-	-	TAF085	TMP074	
Freelander 2	LF	06/07	10/14	2.2L (224DT)	DOHC 16V (Diesel)	-	-	-	TAF045	TMP104	TAF045 to VIN no. (V)AH999999

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Lexus											
CT200h	ZWA10	12/10	10/14	1.8L (2ZR-FXE)	DOHC 16V (Hybrid)	TKS009	-	-	TAF071	-	
ES300	VCV10	06/92	10/96	3.0L (3VZ-FE)	DOHC 24V (Petrol)	TKS012	TTH052	-	-	-	
ES300	MCV20	10/96	08/99	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS010	TTH014	TAC018	-	-	
ES300	MCV20	08/99	10/01	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH014	TAC018	-	-	
ES300	MCV30	10/01	03/06	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH033	-	TAF002	-	
GS300	JZS147	01/95	08/97	3.0L (2JZ-GE)	DOHC 24V (Petrol)	TKS007	TTH025	TAC034	-	-	Check illustrations for correct application
GS300	JZS160	11/97	03/05	3.0L (2JZ-GE)	DOHC 24V (Petrol)	TKS008 TKS010	TTH033	TAC034	-	-	Check illustrations for correct application
GS300	GRS190	03/05	03/12	3.0L (3GR-FSE)	DOHC 24V (Petrol)	TKS009	-	-	TAF002	-	
GS430	UZS190	03/05	02/08	4.3L (3UZ-FE)	DOHC 32V (Petrol)	TKS009	-	-	TAF002	-	
GS450H	GWS191	05/06	01/10	3.5L (2GR-FSE)	DOHC 24V (Hybrid)	TKS009	-	-	TAF002	-	
GS460	URS190	01/07	01/10	4.6L (1UR-FSE)	DOHC 32V (Petrol)	TKS009	-	-	-	-	
IS F	USE20	10/08	10/14	5.0L (2UR-GSE)	DOHC 32V (Petrol)	TKS009	-	-	TAF014	-	
IS250, IS250C	GSE20	11/05	01/11	2.5L (4GR-FSE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
IS300	JCE10	08/01	11/05	3.0L (2JZ-GE)	DOHC 24V (Petrol)	TKS008	TTH033	-	TAF002	-	
IS350	GSE21	01/05	01/06	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
IS350	GSE21	12/10	06/13	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
LS400	UCF10, UCF11	05/90	06/90	4.0L (1UZ-FE)	DOHC 32V (Petrol)	TKS087	-	-	-	-	
LS400	UCF10, UCF11	06/90	08/92	4.0L (1UZ-FE)	DOHC 32V (Petrol)	TKS102	-	-	-	-	
LS400	UCF10, UCF11	08/92	10/94	4.0L (1UZ-FE)	DOHC 32V (Petrol)	TKS102	TTH052	-	-	-	
LS400	UCF20	11/94	11/97	4.0L (1UZ-FE)	DOHC 32V (Petrol)	TKS008	TTH052	-	-	-	
LS400	UCF20, UCF21	11/97	11/00	4.0L (1UZ-FE)	DOHC 32V (Petrol)	TKS010	TTH076	-	-	-	
LS430	UCF30	12/00	09/03	4.3L (3UZ-FE)	DOHC 32V (Petrol)	TKS144	TTH033	-	TAF002	-	
LS430	UCF30	09/03	03/07	4.3L (3UZ-FE)	DOHC 32V (Petrol)	TKS009	-	-	TAF002	-	
LS460	USF40	04/07	10/14	4.6L (1UR-FSE)	DOHC 32V (Petrol)	TKS009	-	-	-	-	
LS600hL	UVF46	12/10	12/12	5.0L (2UR-FSE)	DOHC 32V (Hybrid)	TKS009	-	-	-	-	
LX470	UZJ100	05/98	09/02	4.7L (2UZ-FE)	DOHC 32V (Petrol)	-	TTH076	-	TAF153	-	
LX470	UZJ100	09/02	03/08	4.7L (2UZ-FE)	DOHC 32V (Petrol)	-	-	-	TAF153	-	
LX570	URJ201	04/08	10/14	5.7L (3UR-FE)	DOHC 32V (Petrol)	TKS009	-	-	-	-	
RX300	MCU10, MCU15	01/98	01/03	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008 TKS010	TTH014	TAC037	TAF004	-	Check Knock Sensor illustrations for correct application
RX330	MCU38	04/03	02/06	3.3L (3MZ-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF002	-	
RX350	GSU35	02/06	01/09	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
RX350	GGL15	02/09	01/11	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF071	-	
RX400h	MHU38	10/06	05/09	3.3L (3MZ-FE)	DOHC 24V (Hybrid)	TKS009	-	-	TAF002	-	
SC430	UZZ40	10/01	08/05	4.3L (3UZ-FE)	DOHC 32V (Petrol)	TKS144	TTH033	-	-	-	
SC430	UZZ40	08/05	07/10	4.3L (3UZ-FE)	DOHC 32V (Petrol)	TKS009	-	-	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mazda											
121	DW (1.3)	10/96	03/00	1.3L (B3)	SOHC 16V (Petrol)	TKS030	TTH023	-	TAF095	-	
121	DW (1.3)	03/00	12/02	1.3L (B3)	SOHC 16V (Petrol)	TKS030	TTH023	-	-	TMP022	
121	DW (1.5)	10/96	2000	1.5L (B5)	SOHC 16V (Petrol)	TKS030	TTH023	-	TAF095	TMP022	
121	DW (1.5)	2000	12/02	1.5L (B5)	SOHC 16V (Petrol)	TKS030	TTH023	-	-	TMP022	
323	BF (1.6 Incl. 4WD Turbo)	10/85	10/89	1.6L (B6, B6T)	Petrol	-	TTH015	-	-	-	
323	BG	10/89	12/94	1.6L, 1.8L (B6, BP)	16V (Petrol)	-	TTH015 TTH027	-	-	-	TTH015 suits M/T, TTH027 suits A/T
323	BA (1.6)	07/94	09/98	1.6L (B6)	DOHC 16V (Petrol)	-	TTH023	TAC061	-	-	
323	BA (1.8)	07/94	07/95	1.8L (BP)	DOHC 16V (Petrol)	-	TTH052	TAC061	-	-	Check Idle Air Control Valve illustrations for correct application
323	BA (1.8)	08/95	09/96	1.8L (BP)	DOHC 16V (Petrol)	-	TTH091	TAC061	-	-	Check Idle Air Control Valve illustrations for correct application
323	BA (1.8)	10/96	12/98	1.8L (BP)	DOHC 16V (Petrol)	-	TTH043	TAC061	-	-	Check Idle Air Control Valve illustrations for correct application
323	BJ (1.5)	01/98	01/01	1.5L (ZLVE)	DOHC 16V (Petrol)	-	TTH023	-	TAF004	-	
323	BJ (1.6)	09/98	01/04	1.6L (ZMD)	DOHC 16V (Petrol)	TKS028	TTH043	TAC001	TAF004	TMP022	
323	BJ (1.8)	09/98	01/04	1.8L (FPDE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF034	-	
323	BJ SP20	02/01	01/04	2.0L (FSZE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF040	TMP022	
626	GE (2.0)	01/91	06/97	2.0L (FS)	DOHC 16V (Petrol)	-	TTH023	-	-	-	
626	GF - GW (2.0)	07/97	07/02	2.0L (FSDE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	-	TMP022	Check Manifold Absolute Pressure Sensor illustrations for correct application
929	HD - HE (3.0 V6)	07/91	11/97	3.0L (JE-ZE)	DOHC 24V (Petrol)	-	TTH052	-	-	-	
Atenza	GG - GY (2.3)	01/02	01/07	2.3L (L3)	DOHC 16V (Petrol)	TKS031	TTH046	TAC048	TAF004	TMP022 TMP027	Check Manifold Absolute Pressure Sensor illustrations for correct application
Atenza	GH (2.5)	01/08	10/14	2.5L (L5VE)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
Axela	BK (2.0)	01/03	01/07	2.0L (LFDE)	DOHC 16V (Petrol)	TKS031	TTH046	TAC103	TAF004	TMP022 TMP027 TMP138	Check Manifold Absolute Pressure Sensor illustrations for correct application
Axela	BK (2.0)	06/06	05/09	2.0L (LFVE)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
Axela	BK (2.3)	01/03	01/07	2.3L (L3VE)	DOHC 16V (Petrol)	-	TTH063	-	TAF001	-	
B2500	UN Bravo (2.5 TD)	01/99	01/07	2.5L (WLAT)	SOHC 12V (Diesel)	-	-	-	TAF004	-	
B2600	Bravo	12/90	03/96	2.6L (G6)	SOHC 12V (Petrol)	-	TTH062	TAC085	-	-	
B2600	UF - UN Bravo	04/96	11/06	2.6L (G6)	SOHC 12V (Petrol)	-	TTH062	-	TAF034	-	Check illustrations for correct application
B4000	Bravo (4.0)	10/05	11/06	4.0L (1V)	SOHC 12V (Petrol)	TKS128	TTH066	TAC064	-	-	
BT50	UN	11/06	10/11	2.5L, 3.0L (WLAT, WEAT)	DOHC 16V (Diesel)	-	-	-	TAF004	TMP076	
Capella	GF - GW (2.0)	01/97	01/02	2.0L (FSDE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	-	TMP022	Check Manifold Absolute Pressure Sensor illustrations for correct application
CX-7	ER (2.3)	11/06	10/14	2.3L (MZR)	DOHC 16V (Petrol)	-	TTH063	-	TAF001	-	
CX-7	ER (2.5)	10/09	10/14	2.5L (L5)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
CX-7	ER (Diesel)	10/09	10/14	2.2L (R2)	SOHC 16V (Diesel)	-	-	-	-	TMP081	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mazda cont.											
CX-9	TB (3.7)	12/07	10/14	3.7L (CA)	DOHC 24V (Petrol)	TKS033	-	-	-	-	
Demio	DW (1.3)	01/96	01/02	1.3L (B3)	SOHC 16V (Petrol)	TKS030	TTH023	-	TAF095	TMP022	
Demio	DW (1.5)	01/96	2000	1.5L (B5)	SOHC 16V (Petrol)	TKS030	TTH023	-	TAF095	TMP022	
Demio	DW (1.5)	2000	01/02	1.5L (B5)	SOHC 16V (Petrol)	TKS030	TTH023	-	-	TMP022	
Demio	DE (1.5)	07/07	10/14	1.5L (ZYVE)	DOHC 16V (Petrol)	TKS035	-	-	TAF004	-	
E1800		02/03	07/06	1.8L (F8)	SOHC 12V (Petrol)	-	TTH023	-	TAF034	-	
E2000		01/03	07/06	2.0L (FE)	SOHC 8V (Petrol)	-	TTH023	-	-	-	
E2200	Diesel	01/99	01/02	2.2L (R2)	SOHC 8V (Diesel)	-	-	-	-	TMP022	
Familia	BJ (1.3)	06/98	08/02	1.3L (B3ME)	SOHC 16V (Petrol)	TKS030	TTH023	-	TAF004	TMP022	
Familia	BJ (1.5)	01/98	03/04	1.5L (ZLVE)	DOHC 16V (Petrol)	-	TTH023	-	TAF004	-	
Familia	BJ (1.8)	01/98	01/01	1.8L (FPDE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF034	-	
Familia	BJ (2.0)	01/99	01/03	2.0L (FSZE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF040	TMP022	
Mazda2	DY (1.5)	12/02	08/07	1.5L (MZR)	DOHC 16V (Petrol)	TKS032	-	-	-	TMP096	
Mazda2	DE (1.5)	09/07	10/14	1.5L (MZR)	DOHC 16V (Petrol)	TKS035	-	-	TAF004	-	
Mazda3	BK (2.0)	01/04	06/06	2.0L (LFDE)	DOHC 16V (Petrol)	TKS031	TTH046	TAC103	TAF004	TMP022 TMP027 TMP138	Check Manifold Absolute Pressure Sensor illustrations for correct application
Mazda3	BK - BL (2.0)	07/06	10/14	2.0L (LFDE)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
Mazda3	BK SP23	01/04	03/09	2.3L (MZR)	DOHC 16V (Petrol)	-	-	-	TAF001	-	
Mazda3	BL SP25	04/09	10/14	2.5L (L5)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
Mazda3	BK (Diesel)	08/07	09/09	2.0L (RF)	SOHC 16V (Diesel)	-	-	-	-	TMP081	
Mazda3	BL (Diesel)	11/09	10/14	2.2L (R2)	DOHC 16V (Diesel)	-	-	-	TAF004	TMP081	
Mazda6	GG (2.0)	01/02	01/07	2.0L (LFDE)	DOHC 16V (Petrol)	TKS031	TTH046	TAC048	TAF004	TMP022 TMP027	Check Manifold Absolute Pressure Sensor illustrations for correct application
Mazda6	GG - GY (2.3)	08/02	04/07	2.3L (MZR)	DOHC 16V (Petrol)	TKS031	TTH046	TAC048	TAF004	TMP022 TMP027	Check Manifold Absolute Pressure Sensor illustrations for correct application
Mazda6	GG (2.3 MPS Turbo)	10/05	01/08	2.3L (L3)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP027	
Mazda6	GH (2.0)	01/08	01/09	2.0L (LFDE)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
Mazda6	GH (2.5)	02/08	11/12	2.5L (L5)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
Mazda6	GG - GY (2.0 Diesel)	10/06	01/08	2.0L (RF)	SOHC 16V (Diesel)	-	-	-	TAF004	TMP081	
Mazda6	GH (2.2 Diesel)	03/09	11/12	2.2L (R2)	DOHC 16V (Diesel)	-	-	-	TAF004	TMP081	
MPV	LW (2.0)	06/99	03/02	2.0L (FSDE)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF040	TMP013	Check Manifold Absolute Pressure Sensor illustrations for correct application
MPV	LW (2.5 V6)	08/99	06/02	2.5L (GY)	DOHC 24V (Petrol)	TKS034	-	-	-	-	
MPV	LW (3.0 V6)	06/02	09/06	3.0L (MZI)	DOHC 24V (Petrol)	TKS034	TTH066	TAC057	-	TMP013	
MX5	NA (1.6)	10/89	11/93	1.6L (B6)	DOHC 16V (Petrol)	-	TTH015 TTH027	-	-	-	Check Throttle Position Sensor illustrations for correct application
MX5	NA (1.8)	11/93	12/98	1.8L (BP)	DOHC 16V (Petrol)	-	TTH043 TTH052	-	-	-	Check Throttle Position Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mazda cont.											
MX5	NB (1.6)	01/98	01/02	1.6L (B6ZE)	DOHC 16V (Petrol)	TKS110	TTH043	TAC056	TAF034 TAF040	TMP013	Check Air Flow Meter illustrations for correct application
MX5	NB (1.8)	05/98	11/00	1.8L (BPD)	DOHC 16V (Petrol)	TKS110	TTH043	TAC056	TAF034	-	
MX5	NB (1.8 Incl. Turbo)	10/00	09/05	1.8L (BP, BPT)	DOHC 16V (Petrol)	TKS110	TTH043	TAC056	TAF040	TMP013	Check Manifold Absolute Pressure Sensor illustrations for correct application
MX5	NC (2.0)	09/05	10/14	2.0L (LFDE)	DOHC 16V (Petrol)	TKS031	-	-	TAF004	TMP027	
PREMACY	CP (1.8 - 2.0)	02/01	06/03	1.8L - 2.0L (FP, FS)	DOHC 16V (Petrol)	TKS029	TTH023	TAC051	TAF034	TMP022	
PREMACY	CR (2.0)	01/05	01/07	2.0L (LFDE)	DOHC 16V (Petrol)	TKS031	TTH046	TAC103	TAF004	TMP027	
RX8		07/03	01/11	1.3L (13B)	ROTARY (Petrol)	-	-	-	TAF004	TMP022	
Tribute	CU (2.0)	01/00	02/03	2.0L (YF)	DOHC 16V (Petrol)	-	-	TAC014	-	TMP109	
Tribute	CU - YU (2.0)	02/03	01/04	2.0L (YF)	DOHC 16V (Petrol)	-	-	TAC014	-	-	
Tribute	CU (2.3)	01/04	2006	2.3L (MZR)	DOHC 16V (Petrol)	TKS031	TTH046	-	-	TMP027	
Tribute	5Z (2.3)	2006	01/08	2.3L (MZR)	DOHC 16V (Petrol)	TKS031	TTH046	-	TAF004	TMP027	
Tribute	CU - YU (3.0 V6)	03/01	01/04	3.0L (AJ)	DOHC 24V (Petrol)	TKS140	TTH066	-	-	TMP109	
Tribute	CU - YU (3.0 V6)	11/02	01/04	3.0L (AJ)	DOHC 24V (Petrol)	TKS140	TTH066	-	-	-	
Tribute	CU - 6Z (3.0 V6)	02/04	05/06	3.0L (AJ)	DOHC 24V (Petrol)	TKS140	TTH066	TAC075	-	-	
Tribute	CU - 6Z (3.0 V6)	05/06	01/08	3.0L (AJ)	DOHC 24V (Petrol)		TTH066	TAC075	-	-	
Mercedes											
A-Class	A140 - A170 (W168 - W169)	02/00	07/07	1.4L - 1.7L	SOHC 8V (Petrol)	TKS019	-	-	-	TMP001	
A-Class	A170 - A180 (W169)	08/07	06/10	1.7L (M266.940)	SOHC 8V (Petrol)	-	-	-	-	TMP001	
A-Class	A190 (W168)	09/01	04/05	1.9L (M166.990)	SOHC 8V (Petrol)	TKS019	-	-	-	TMP001	
A-Class	A200 (W169)	05/05	06/10	2.0L (M266.960)	SOHC 8V (Petrol)	TKS019	-	-	-	TMP001	
A-Class	A200 Turbo (W169)	12/05	06/10	2.0L (M266.980)	SOHC 16V (Petrol)	TKS019	-	-	-	TMP001 TMP007	Check Manifold Absolute Pressure Sensor illustrations for correct application
A-Class	A180 - A200 CDI (W169)	01/05	06/10	2.0L (OM640)	DOHC 16V (Diesel)	-	-	-	-	TMP012	
B-Class	B180 - B200 (W246)	04/12	10/14	1.6L (M270.910)	DOHC 16V (Petrol)	TKS094	-	-	-	-	
B-Class	B200 (W245)	11/05	03/12	2.0L (M266.960)	SOHC 8V (Petrol)	TKS019	-	-	-	TMP001	
B-Class	B200 Turbo (W245)	11/05	10/14	2.0L (M266.980)	SOHC 8V (Petrol)	-	-	-	-	TMP007	
B-Class	B180 - B200 CDI (W245)	11/05	03/12	2.0L (OM640)	DOHC 16V (Diesel)	-	-	-	-	TMP012	
B-Class	B200 CDI (W246)	04/12	10/14	1.8L (OM651.901)	DOHC 16V (Diesel)	-	-	-	-	TMP001 TMP036	Check Manifold Absolute Pressure Sensor illustrations for correct application
C-Class	C180 (W202)	03/94	12/98	1.8L (M111)	DOHC 16V (Petrol)	-	-	-	TAF118	-	
C-Class	C180 (CL203)	12/01	09/02	2.0L (M111.951)	DOHC 16V (Petrol)	TKS019	-	-	-	-	
C-Class	C180 Komp (W203)	10/02	01/08	1.8L (M271)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP007	
C-Class	C180 (W204)	07/11	01/13	1.8L (M271.820)	DOHC 16V (Petrol)	-	-	-	-	TMP001	
C-Class	C180 (W204)	01/13	10/14	1.6L (M274.910)	DOHC 16V (Petrol)	TKS094	-	-	-	-	
C-Class	C200 (W202)	11/96	12/00	2.0L (M111.945)	DOHC 16V (Petrol)	-	-	-	TAF118	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mercedes cont.											
C-Class	C200 Komp (W203)	11/00	11/02	2.0L (M111.955)	DOHC 16V (Petrol)	-	-	-	-	TMP007	
C-Class	C200 Komp (W203, W204)	11/02	02/10	1.8L (M271)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP007	
C-Class	C220 CDI (W203)	01/01	06/07	2.2L (OM611.962)	DOHC 16V (Diesel)	-	-	-	-	TMP007	
C-Class	C200 - C220 CDI (W204)	07/07	10/14	2.1L (OM651)	DOHC 16V (Diesel)	-	-	-	-	TMP001 TMP036	Check Manifold Absolute Pressure Sensor illustrations for correct application
C-Class	C220 CDI (W204)	01/08	05/11	2.1L (OM646)	DOHC 16V (Diesel)	-	-	-	TAF121	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
C-Class	C230 Komp (CL203)	11/02	08/05	1.8L (M271.948)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP007	
C-Class	C230 (W203)	01/05	01/08	2.5L (M272.920)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
C-Class	C240 (W203)	11/00	08/05	2.6L (M112.912)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
C-Class	C250 CDI (W204)	06/11	10/14	2.1L (OM651)	DOHC 16V (Diesel)	-	-	-	-	TMP001 TMP036	Check Manifold Absolute Pressure Sensor illustrations for correct application
C-Class	C270 CDI (W203)	01/01	01/05	2.7L (OM612)	DOHC 20V (Diesel)	-	-	-	-	TMP007	
C-Class	C280 - C300 (W204)	07/07	05/11	3.0L (M272)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
C-Class	C320 (W203)	11/00	08/05	3.2L (M112)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
C-Class	C350 (W203)	09/05	06/07	3.5L (M272)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
C-Class	C320 - C350 CDI (W203 - W204)	01/05	05/11	3.0L (OM642)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
C-Class	C63 AMG (W204)	01/08	10/14	6.2L (M156.985)	DOHC 32V (Petrol)	TKS037	-	-	-	TMP001	
CL-Class	CL500 (C215)	03/00	03/07	5.0L (M113.960)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	Check Air Flow Meter illustrations for correct application
CL-Class	CL500 (C216)	04/07	10/10	5.5L (M273.961)	DOHC 32V (Petrol)	TKS037	-	-	-	TMP001	
CLC-Class	CLC200 Komp (W203)	01/08	06/11	1.8L (M271)	DOHC 16V (Petrol)	-	-	-	-	TMP007	
CLK-Class	CLK200 Komp (C208)	10/00	01/04	2.0L (M111.956)	DOHC 16V (Petrol)	-	-	-	TAF118	TMP007	
CLK-Class	CLK200 Komp (C209)	08/04	07/07	1.8L (M271.940)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP007	
CLK-Class	CLK200 Komp (C209)	08/07	06/10	1.8L (M271.955)	DOHC 16V (Petrol)	TKS019	-	-	-	-	
CLK-Class	CLK230 Komp (C208)	10/00	07/02	2.3L (M111.982)	DOHC 16V (Petrol)	-	-	-	TAF118	TMP007	
CLK-Class	CLK240 (C209)	11/02	08/05	2.6L (M112.912)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
CLK-Class	CLK280 (C209)	09/05	06/10	3.0L (M272.940)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
CLK-Class	CLK320 (C209)	06/02	09/05	3.2L (M112.955)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
CLK-Class	CLK350 (C209)	09/05	02/10	3.5L (M272.960)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
CLK-Class	CLK500 (W209)	06/02	11/04	5.0L (M113.968)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	
CLK-Class	CLK500 (W209)	09/06	02/10	5.5L (M273.697)	DOHC 32V (Petrol)	TKS037	-	-	TAF006	TMP001	
CLK-Class	CLK55 AMG (W208 - W209)	02/00	08/06	5.4L (M113)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	Check Air Flow Meter illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mercedes cont.											
CLK-Class	CLK63 AMG (C209)	09/06	07/07	6.2L (M156.982)	DOHC 32V (Petrol)	TKS037	-	-	-	TMP001	
CLS-Class	CLS320 CDI (C219)	01/05	01/09	3.0L (OM642.920)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	
CLS-Class	CLS350 (W219)	06/05	05/11	3.5L (M272.964)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
CLS-Class	CLS500 (W219)	06/05	05/08	5.0L (M113.967)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	
CLS-Class	CLS500 (C219)	01/06	05/11	5.5L (M273.960)	DOHC 32V (Petrol)	TKS037	-	-	TAF006	TMP001	
CLS-Class	CLS55 (W219)	06/05	09/06	5.4L (M113.990)	SOHC 24V (Petrol)	TKS094	-	-	-	TMP007	
CLS-Class	CLS63 AMG (C219)	10/06	05/11	6.2L (M156.983)	DOHC 32V (Petrol)	TKS037	-	-	-	TMP001	
E-Class	E200 Komp (W210)	08/00	08/02	2.0L (M111.957)	DOHC 16V (Petrol)	-	-	-	-	TMP007	
E-Class	E200 Komp (W211)	10/04	09/09	1.8L (M271.941)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP007	
E-Class	E220 CDI (W212)	01/09	10/14	2.1L (OM651.924)	DOHC 16V (Diesel)	-	-	-	-	TMP001 TMP036	Check Manifold Absolute Pressure Sensor illustrations for correct application
E-Class	E240 (W211)	08/02	09/05	2.6L (M112.913)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
E-Class	E250 (W212)	06/13	10/14	2.0L (M274)	DOHC 16V (Petrol)	TKS094	-	-	-	-	
E-Class	E250 CGI (C207, W212)	10/09	10/14	1.8L (M271)	DOHC 16V (Petrol)	-	-	-	-	TMP001	
E-Class	E250 CDI (C207, W212)	10/09	10/14	2.1L (OM651)	DOHC 16V (Diesel)	-	-	-	-	TMP001 TMP036	Check Manifold Absolute Pressure Sensor illustrations for correct application
E-Class	E270 CDI (W210)	01/00	08/02	2.7L (OM612.961)	DOHC 20V (Diesel)	-	-	-	-	TMP007	
E-Class	E270 CDI (W211)	08/02	03/04	2.7L (OM647)	DOHC 20V (Diesel)	-	-	-	TAF121	TMP007	
E-Class	E270 CDI (W211)	03/04	09/05	2.7L (OM647)	DOHC 20V (Diesel)	-	-	-	TAF121	TMP012	
E-Class	E280 (W211)	09/05	09/09	3.0L (M272.943)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
E-Class	E280 CDI (W211)	09/05	09/09	3.0L (OM642.920)	DOHC 24V (Diesel)	-	-	-	-	TMP012	
E-Class	E320 (W210)	06/97	08/02	3.2L (M112.941)	SOHC 18V (Petrol)	TKS094	-	-	-	-	
E-Class	E320 (W211)	08/02	02/05	3.2L (M112.949)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
E-Class	E320 CDi (W211)	01/05	01/07	3.0L (OM642.920)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
E-Class	E350 (W211)	03/05	09/09	3.5L (M272.964)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
E-Class	E350 (C207)	04/10	10/14	3.5L (M272.988)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	-	
E-Class	E350 CDi (W212)	10/09	10/14	3.0L (OM642.850)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
E-Class	E500 (W211)	08/02	09/06	5.0L (M113.967)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	
E-Class	E500 (W211)	10/06	09/09	5.5L (M273.960)	DOHC 32V (Petrol)	TKS037	-	-	TAF006	TMP001	
E-Class	E55 AMG (W211)	03/04	09/06	5.4L (M113)	SOHC 24V (Petrol)	TKS094	-	-	-	-	
E-Class	E63 AMG (W211 - W212)	10/06	01/12	6.2L (M156)	DOHC 32V (Petrol)	TKS037	-	-	-	TMP001	
GL-Class	GL320 - GL350 CDI (X164)	11/06	01/13	3.0L (OM642.940)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
GL-Class	GL500 (X164)	11/06	02/10	5.5L (M273.963)	DOHC 32V (Petrol)	TKS037	-	-	TAF006	TMP001	
ML-Class	ML250 CDI BLUETEC (W166)	04/12	10/14	2.1L (OM651.960)	DOHC 16V (Diesel)	-	-	-	-	TMP001 TMP036	Check Manifold Absolute Pressure Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mercedes cont.											
ML-Class	ML280 - ML350 CDI (W164 - W166)	09/05	10/14	3.0L (OM642)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
ML-Class	ML350 (W164)	09/05	03/12	3.5L (M272.967)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
ML-Class	ML500 (W163 - W164)	11/01	09/07	5.0L (M113)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	
ML-Class	ML500 (W164)	11/07	03/12	5.5L (M273.963)	DOHC 32V (Petrol)	TKS037	-	-	TAF006	TMP001	
ML-Class	ML55 AMG (W163)	11/01	08/05	5.4L (M113.981)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	-	Check Air Flow Meter illustrations for correct application
ML-Class	ML63 AMG (W164)	10/06	03/12	6.2L (M156.980)	DOHC 32V (Petrol)	TKS037	-	-	-	TMP001	
R-Class	R280 - R350 CDI (W251)	04/06	10/14	3.0L (OM642.950)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
R-Class	R350 (W251)	04/06	06/10	3.5L (M272.967)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
R-Class	R500 (W251)	04/06	10/07	5.0L (M113.971)	SOHC 24V (Petrol)	TKS094	-	-	-	TMP001	
R-Class	R500 (W251)	10/07	06/10	5.5L (M273.963)	DOHC 32V (Petrol)	TKS037	-	-	TAF006	TMP001	
S-Class	S320 CDI (W220)	01/00	01/02	3.2L (OM613.960)	DOHC 24V (Diesel)	-	-	-	-	TMP007	
S-Class	S320 CDi (W221)	01/08	09/09	3.0L (OM642.930)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
S-Class	S350 (W220)	02/03	02/06	3.7L (M112.972)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
S-Class	S350 (W221)	03/06	01/11	3.5L (M272.965)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
S-Class	S430 (W220)	02/98	02/06	4.3L (M113.941)	SOHC 24V (Petrol)	TKS094	-	-	-	-	
SL-Class	SL350 (R230)	10/03	12/06	3.7L (M112.973)	SOHC 18V (Petrol)	TKS094	-	-	-	-	
SL-Class	SL350 (R230)	05/06	01/11	3.5L (M272.966)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
SL-Class	SL500 (R230)	01/02	01/05	5.0L (M113.963)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	
SL-Class	SL500 (R230)	01/06	07/12	5.5L (M273.965)	DOHC 32V (Petrol)	TKS037	-	-	TAF006	TMP001	
SLK-Class	SLK200 Komp (R170)	01/00	01/04	2.0L (M111.958)	DOHC 16V (Petrol)	-	-	-	-	TMP007	
SLK-Class	SLK200 Komp (R171)	01/04	05/08	1.8L (M271.944)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP007	
SLK-Class	SLK200 Komp (R171)	06/08	06/11	1.8L (M271.954)	DOHC 16V (Petrol)	-	-	-	-	TMP007	
SLK-Class	SLK230 Komp (R170)	01/00	01/04	2.3L (M111.983)	DOHC 16V (Petrol)	-	-	-	-	TMP007	
SLK-Class	SLK280 - SLK350 (R171)	08/04	06/11	3.0L (M272)	DOHC 24V (Petrol)	TKS037	-	-	TAF006	TMP001	
SLK-Class	SLK320 (R170)	07/00	08/04	3.2L (M112.947)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
SLK-Class	SLK55 AMG (R171)	01/05	06/11	5.4L (M113.989)	SOHC 24V (Petrol)	TKS094	-	-	TAF015	TMP001	
Sprinter	316, 516 (W906)	02/10	10/14	1.8L (M271.951)	DOHC 16V (LPG)	-	-	-	-	TMP007	
Sprinter	208 - 413 CDI (W901 - W904)	01/00	12/06	2.1L (OM611)	DOHC 16V (Diesel)	-	-	-	-	TMP007	
Sprinter	209 - 311 CDi (W906)	10/06	01/10	2.1L (OM646)	DOHC 16V (Diesel)	-	-	-	TAF062	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
Sprinter	310 - 516 CDI (W906)	02/10	10/14	2.1L (OM651)	DOHC 16V (Diesel)	-	-	-	-	TMP001 TMP036	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mercedes cont.											
Sprinter	316 - 616 CDI (W903 - W905)	04/02	12/06	2.7L (OM612)	DOHC 20V (Diesel)	-	-	-	-	TMP007	
Sprinter	318 - 518 CDI (W906)	10/06	01/10	3.0L (OM642.992)	DOHC 24V (Diesel)	-	-	-	TAF062	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
Sprinter	319 CDI (W906)	02/10	10/14	3.0L (OM642.896)	DOHC 24V (Diesel)	-	-	-	-	TMP001	
Sprinter	419 - 519 CDI (W906)	02/10	10/14	3.0L (OM642.896)	DOHC 24V (Diesel)	-	-	-	-	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
Viano	3.5 (639)	07/05	01/10	3.7L (M112)	SOHC 24V (Petrol)	TKS094	-	-	-	-	
Viano	2.2 CDI (639)	07/05	02/11	2.2L (OM646)	DOHC 16V (Diesel)	-	-	-	TAF027	TMP001 TMP007	Check Manifold Absolute Pressure Sensor illustrations for correct application
Vito	119 (639)	04/04	12/06	3.2L (M112.951)	SOHC 18V (Petrol)	TKS094	-	-	TAF060	TMP001	
Vito	109 CDI (639)	04/04	12/06	2.1L (OM646.983)	DOHC 16V (Diesel)	-	-	-	TAF027	TMP001 TMP007	Check Manifold Absolute Pressure Sensor illustrations for correct application
Vito	109 CDI (639)	01/07	01/11	2.1L (OM646.980)	DOHC 16V (Diesel)	-	-	-	TAF027	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
Vito	120 CDI (639)	02/07	01/11	3.0L (OM642.990)	DOHC 24V (Diesel)	-	-	-	TAF062	TMP001 TMP012	Check Manifold Absolute Pressure Sensor illustrations for correct application
MINI											
Cooper	Cooper (R50)	01/01	02/07	1.6L (W10B16)	SOHC 16V (Petrol)	TKS084	-	-	-	TMP074	
Cooper	Cooper Cabrio (R52)	12/04	02/09	1.6L (W10B16A)	SOHC 16V (Petrol)	TKS084	-	-	-	TMP074 TMP083	
Cooper	Cooper S (R52 - R53)	05/02	02/09	1.6L (W11B16)	SOHC 16V (Petrol)	TKS084	-	-	-	TMP074 TMP083	Check Manifold Absolute Pressure Sensor illustrations for correct application
Cooper	Cooper S JCW (R52)	08/05	02/09	1.6L (W11B16)	SOHC 16V (Petrol)	TKS084	-	-	-	TMP083	
Cooper	Cooper Clubman (R55)	01/08	10/14	1.6L (N12B6A)	DOHC 16V (Petrol)	TKS018	-	-	TAF122	TMP052 TMP075	TAF122, TMP052 suits non LCI models, TMP075 suits LCI models
Cooper	Cooper S Clubman (R55)	01/08	10/14	1.6L (N14B6A)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP047	TMP047 suits LCI non JCW models
Cooper	Cooper S Clubman (R55)	01/08	10/14	1.6L (N14B6A)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP084	TMP084 suits John Cooper Works (JCW) models
Cooper	Cooper (R56)	03/07	10/14	1.6L (N12B6A)	DOHC 16V (Petrol)	TKS018	-	-	TAF122	TMP052 TMP075	TAF122, TMP052 suits non LCI models, TMP075 suits LCI models
Cooper	Cooper S (R56)	03/07	10/14	1.6L (N14B6A)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040	
Cooper	Cooper S JCW (R56)	08/08	10/14	1.6L (N14B)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP084	
Cooper	Cooper D (R56)	04/07	09/10	1.6L (DV6TED4)	DOHC 16V (Diesel)	-	-	-	-	TMP021	
Cooper	Cooper D (R56)	10/10	10/14	1.6L - 2.0L (N47C)	DOHC 16V (Diesel)	-	-	-	-	TMP009	
Cooper	Cooper Cabrio (R57)	01/09	01/13	1.6L (N12B6A)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP075	
Cooper	Cooper S (R57)	03/09	10/14	1.6L (N14B6A)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP047	
Cooper	Cooper S JCW (R57 - R59)	10/09	10/14	1.6L (N14B)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP084	
Cooper	Cooper S (R58 - R59)	02/12	10/14	1.6L (N18B16A)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP047	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
MINI cont.											
Countryman	Countryman (R60)	02/11	10/14	1.6L (N16B16A)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP075	
Countryman	Countryman S (R60)	02/11	10/14	1.6L (N18B6A)	DOHC 16V (Petrol)	-	-	-	-	TMP047	
Countryman	Countryman SD (R60)	04/11	10/14	1.6L (N47C16A)	DOHC 16V (Diesel)	-	-	-	-	TMP009	
Countryman	Countryman SD (R60)	04/11	10/14	2.0L (N47C20A)	DOHC 16V (Diesel)	-	-	-	-	TMP009	
One	One (R50)	01/01	01/06	1.6L (W10B16)	SOHC 16V (Petrol)	TKS084	-	-	-	TMP074	
One	One (R56)	01/07	01/08	1.4L (N14B)	SOHC 16V (Petrol)	TKS018	-	-	-	TMP052	
One	One (R56)	01/10	10/14	1.6L (N12B6A)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP075	
Mitsubishi											
380	DB	10/05	04/08	3.8L (6G75)	SOHC 24V (Petrol)	TKS132	-	TAC007	-	-	
3000GT	JF (4WD Turbo)	10/92	12/96	3.0L (6G72)	DOHC 24V (Petrol)	TKS112	TTH040	-	-	-	
ASX	XA (1.8 - 2.0)	07/10	08/12	1.8L - 2.0L (4B10 - 4B11)	DOHC 16V (Petrol)	-	-	-	TAF012	-	
ASX	XA (Diesel)	07/10	06/13	1.8L (4N13)	DOHC 16V (Diesel)	-	-	-	TAF071	-	
Challenger	PA	03/98	06/98	3.0L (6G72-S4)	SOHC 24V (Petrol)	-	TTH019 TTH034 TTH042	TAC004	-	TMP031	Check illustrations for correct application
Challenger	PA	06/98	03/07	3.0L (6G72-S4)	SOHC 24V (Petrol)	-	TTH019 TTH034 TTH042	TAC004	TAF154	TMP031	Check illustrations for correct application
Challenger	PB	12/09	10/14	2.5L (4D56T)	DOHC 16V (Diesel)	-	-	-	TAF004	TMP065	
Colt	Z21A	01/04	01/11	1.3L (4A90)	DOHC 16V (Petrol)	TKS005	-	-	-	-	
Colt	RG	02/04	02/06	1.5L (4G15)	DOHC 16V (Petrol)	-	-	-	TAF012	-	
Colt	RG, RZ	10/04	04/10	1.5L (4A91)	DOHC 16V (Petrol)	TKS062	-	-	-	TMP111	
Colt	RG	04/10	10/14	1.5L (4A91)	DOHC 16V (Petrol)	TKS005	-	-	-	-	
Colt	RG (Ralliart)	07/06	05/10	1.5L (4G15T)	DOHC 16V (Petrol)	-	-	-	TAF012	-	
Diamante	TE - TF (3.0 V6)	01/95	08/98	3.0L (6G72)	DOHC 24V (Petrol)	-	TTH034	TAC004	TAF150	-	Check Idle Air Control Valve illustrations for correct application
Diamante	TE - TF (3.0 V6)	08/98	09/02	3.0L (6G72)	DOHC 24V (Petrol)	-	TTH034	TAC004	-	-	Check Idle Air Control Valve illustrations for correct application
Diamante	TJ (3.5 V6)	07/00	05/03	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034 TTH041 TTH042	TAC004	-	TMP031	Check illustrations for correct application
Diamante	TJ (3.5 V6)	07/00	05/03	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034 TTH041 TTH042	TAC004	-	TMP031	Check illustrations for correct application
Diamante	TJ (3.5 V6)	07/00	05/03	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034 TTH041 TTH042	TAC004	-	TMP031	Check illustrations for correct application
Express	SH	09/91	09/94	2.4L (4G64)	SOHC 8V (Petrol)	-	TTH039	-	-	-	
Express	SJ	11/03	10/14	2.0L - 2.4L (4G63 - 4G64)	SOHC 16V (Petrol)	-	TTH019	TAC104	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mitsubishi cont.											
Express	WA	08/05	02/06	2.4L (4G64)	SOHC 16V (Petrol)	-	-	TAC104	-	-	
Galant	HH	09/90	03/93	2.0L (4G63)	SOHC 8V (Petrol)	-	TTH039	-	-	-	
Galant	HH (Turbo)	09/90	03/93	2.0L (4G63)	DOHC 16V (Petrol)	TKS111	TTH039	-	-	-	
Galant	HJ	04/93	10/96	2.0L (4G63)	SOHC 16V (Petrol)	-	TTH040	TAC101	-	-	Check Idle Air Control Valve illustrations for correct application
Galant	HJ (V6)	04/93	10/96	2.0L (6A12)	DOHC 24V (Petrol)	-	TTH040	-	-	-	
Galant		01/98	01/07	2.0L (4G63)	DOHC 16V (Petrol)	TKS063	TTH041	TAC102	-	-	Check Throttle Position Sensor illustrations for correct application
Galant		01/00	01/03	2.0L (4G94)	DOHC 16V (Petrol)	-	TTH048	-	-	-	
Grandis	BA	01/04	01/07	2.4L (4G69)	SOHC 16V (Petrol)	TKS006	-	-	TAF012	-	
Lancer	CB	09/90	09/92	1.5L (4G15)	SOHC 12V (Petrol)	-	TTH039	-	-	-	
Lancer	CB (GSR)	09/90	09/92	1.6L (4G61)	DOHC 16V (Petrol)	-	TTH039	-	-	-	
Lancer	CC (1.6 - 1.8)	09/92	07/96	1.6L - 1.8L (4G92 - 4G93)	SOHC 16V (Petrol)	-	TTH040	TAC101	-	-	Check Idle Air Control Valve illustrations for correct application
Lancer	CC (GSR)	06/92	07/96	1.8L (4G93T)	DOHC 16V (Petrol)	-	TTH040	TAC006	-	-	Check Idle Air Control Valve illustrations for correct application
Lancer	CE (1.5)	01/95	09/96	1.5L (4G15)	SOHC 12V (Petrol)	-	TTH041	TAC106 TAC107	-	-	Check illustrations for correct application
Lancer	CE (1.5)	09/96	01/00	1.5L (4G15)	SOHC 12V (Petrol)	-	TTH041	TAC106 TAC107	-	TMP072	Check illustrations for correct application
Lancer	CE (1.8)	07/96	08/03	1.8L (4G93)	SOHC 16V (Petrol)	-	TTH041 TTH044	TAC005 TAC105	TAF035 TAF158	-	Check illustrations for correct application
Lancer	CE II (1.5)	10/98	07/04	1.5L (4G15)	SOHC 12V (Petrol)	-	TTH041	TAC106 TAC107	-	TMP072	Check illustrations for correct application
Lancer	CE II (1.8)	10/98	07/04	1.8L (4G93)	SOHC 16V (Petrol)	-	TTH041 TTH044	TAC005 TAC105	TAF035 TAF158	-	Check illustrations for correct application
Lancer	CE EVO (VI,V)	01/98	12/01	2.0L (4G63T)	DOHC 16V (Petrol)	-	TTH041	TAC102	-	-	
Lancer	CG, CH	06/02	11/05	2.0L (4G94)	SOHC 16V (Petrol)	-	TTH048	TAC125	TAF035	TMP031	
Lancer	CH	08/05	09/07	2.4L (4G69)	SOHC 16V (Petrol)	TKS006	-	-	TAF012	TMP045	
Lancer	CY - CZ (2.0 EVO VII - IX)	10/01	09/07	2.0L (4G63T)	DOHC 16V (Petrol)	TKS051	TTH044	TAC005	-	TMP031	
Lancer	CJ (Incl. Ralliart)	10/07	10/14	2.0L (4B11, 4B11T)	DOHC 16V (Petrol)	-	-	-	TAF012	TMP045	Check illustrations for correct application
Lancer	CJ (2.4)	10/08	10/14	2.4L (4B12)	DOHC 16V (Petrol)	-	-	-	TAF012	-	
Lancer	CJ (EVO X)	01/07	10/14	2.0L (4B11T)	DOHC 16V (Petrol)	-	-	-	TAF012	-	
Magna	TR (2.6)	04/91	03/94	2.6L (4G54)	SOHC 8V (Petrol)	TKS111	-	-	-	-	
Magna	TS (2.6)	03/94	01/97	2.6L (4G54)	SOHC 8V (Petrol)	TKS111	TTH040	-	-	-	
Magna	TE - TF (2.4)	04/96	03/99	2.4L (4G64-S4)	SOHC 16V (Petrol)	-	TTH041	TAC102	-	-	
Magna	TR - TS (3.0 V6)	04/93	01/97	3.0L (6G72)	SOHC 12V (Petrol)	TKS107	-	TAC007	-	-	
Magna	TE - TF (3.0 V6)	04/96	08/98	3.0L (6G72-S4)	SOHC 24V (Petrol)	-	TTH034	TAC004	TAF150	-	Check Idle Air Control Valve illustrations for correct application
Magna	TF - TH (3.0 V6)	08/98	12/00	3.0L (6G72-S4)	SOHC 24V (Petrol)	-	TTH034	TAC004	-	-	Check Idle Air Control Valve illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mitsubishi cont.											
Magna	TJ (3.0 V6)	08/00	06/03	3.0L (6G72-S4)	SOHC 24V (Petrol)	-	TTH034 TTH041 TTH042	TAC004	-	-	Check illustrations for correct application
Magna	TJ (3.0 V6)	08/00	06/03	3.0L (6G72-S4)	SOHC 24V (Petrol)	-	TTH034 TTH041 TTH042	TAC004	-	-	Check illustrations for correct application
Magna	TJ (3.0 V6)	08/00	06/03	3.0L (6G72-S4)	SOHC 24V (Petrol)	-	TTH034 TTH041 TTH042	TAC004	-	-	Check illustrations for correct application
Magna	TH - TW (3.5 V6)	03/99	09/05	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034 TTH041 TTH042	TAC004	-	TMP031	Check illustrations for correct application
Magna	TH - TW (3.5 V6)	03/99	09/05	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034 TTH041 TTH042	TAC004	-	TMP031	Check illustrations for correct application
Magna	TH - TW (3.5 V6)	03/99	09/05	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034 TTH041 TTH042	TAC004	-	TMP031	Check illustrations for correct application
Mirage	CE	07/96	08/04	1.5L (4G15)	SOHC 12V (Petrol)	-	TTH041	TAC106 TAC107	-	TMP072	Check Idle Air Control Valve illustrations for correct application
Nimbus	UF	08/92	11/98	2.4L (4G64)	SOHC 16V (Petrol)	-	-	TAC101	-	-	
Nimbus	UG	11/98	04/04	2.4L (4G64)	SOHC 16V (Petrol)	-	TTH044 TTH094 TTH095	TAC005	TAF154	-	Check Throttle Position Sensor illustrations for correct application
Outlander	ZE	01/03	07/04	2.4L (4G64)	SOHC 16V (Petrol)	TKS131	TTH044	TAC005	TAF154	TMP031	
Outlander	ZF	06/04	09/06	2.4L (4G69)	SOHC 16V (Petrol)	TKS006	-	-	TAF012	TMP045	
Outlander	ZG - ZH (2.4)	11/06	04/08	2.4L (4B12)	DOHC 16V (Petrol)	-	-	-	TAF012	TMP045	
Outlander	ZG - ZH (2.4)	04/08	10/12	2.4L (4B12)	DOHC 16V (Petrol)	-	-	-	TAF012	-	
Outlander	ZG - ZH (3.0)	12/06	04/08	3.0L (6B31)	SOHC 24V (Petrol)	-	-	-	TAF012	TMP045	
Outlander	ZG - ZH (3.0)	04/08	09/09	3.0L (6B31)	SOHC 24V (Petrol)	-	-	-	TAF012	-	
Pajero	NF - NJ (3.0 V6)	05/88	10/96	3.0L (6G72)	SOHC 12V (Petrol)	-	-	TAC007	-	-	
Pajero	NK (3.0 V6)	10/96	01/97	3.0L (6G72)	SOHC 12V (Petrol)	-	-	TAC004 TAC007 TAC076	TAF150	-	Check illustrations for correct application
Pajero	NK (3.0 V6)	01/97	07/97	3.0L (6G72)	SOHC 12V (Petrol)	-	TTH019	TAC004 TAC007 TAC076	TAF150	-	Check illustrations for correct application
Pajero	NJ (3.5 V6)	11/93	10/96	3.5L (6G74)	SOHC 24V (Petrol)	TKS107	-	TAC004	-	-	
Pajero	NK (3.5 V6)	10/96	07/97	3.5L (6G74)	DOHC 24V (Petrol)	-	TTH019	TAC004	TAF150	-	Check Idle Air Control Valve illustrations for correct application
Pajero	NL (3.5 V6)	08/97	03/98	3.5L (6G74)	SOHC 24V (Petrol)	-	TTH019	TAC004	TAF150	-	Check Idle Air Control Valve illustrations for correct application
Pajero	NL (3.5 V6)	03/98	06/00	3.5L (6G74)	SOHC 24V (Petrol)	-	TTH019	TAC004	-	-	Check Idle Air Control Valve illustrations for correct application
Pajero	NM - NP (3.5 V6)	05/00	07/04	3.5L (6G74)	SOHC 24V (Petrol)	TKS136	TTH064 TTH093	TAC015	TAF155	-	Check illustrations for correct application
Pajero	NP (3.8 V6)	09/03	10/06	3.8L (6G75)	SOHC 24V (Petrol)	-	-	-	TAF155	TMP045	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Mitsubishi cont.											
Pajero	NS - NW (3.8 V6)	11/06	03/10	3.8L (6G75)	SOHC 24V (Petrol)	TKS005	-	-	TAF012	TMP045	
Pajero	NS - NW (3.8 V6)	03/10	10/14	3.8L (6G75)	SOHC 24V (Petrol)	TKS005	-	-	TAF012	-	
Pajero (Diesel)	NM - NP (3.2)	01/99	10/06	3.2L (4M41T)	DOHC 16V (Diesel)	-	-	-	-	TMP102	
Pajero (Diesel)	NS - NT (3.2)	11/06	10/14	3.2L (4M41T)	DOHC 16V (Diesel)	-	-	-	TAF004	TMP065	
Pajero iO	QA (1.6)	03/99	09/03	1.6L (4G18)	SOHC 16V (Petrol)	-	TTH048	-	-	-	
Pajero iO	QA (1.8)	03/98	09/03	1.8L (4G93)	SOHC 16V (Petrol)	-	TTH044 TTH094 TTH095	TAC005	TAF035	-	Check illustrations for correct application
Pajero iO	QA (2.0)	10/01	09/03	2.0L (4G94)	SOHC 16V (Petrol)	TKS063	TTH044	TAC005	TAF035	-	
Starwagon	SG - SH (2.4)	09/90	09/94	2.4L (4G64)	SOHC 16V (Petrol)	-	TTH039	-	-	-	
Starwagon	WA (3.0 V6)	09/94	12/96	3.0L (6G72)	SOHC 24V (Petrol)	-	-	TAC004	-	-	
Triton	MK (2.4)	10/96	04/98	2.4L (4G64)	SOHC 16V (Petrol)	-	TTH019	TAC104	TAF150	-	
Triton	MK (2.4)	04/98	06/06	2.4L (4G64)	SOHC 16V (Petrol)	-	TTH019	TAC104	-	-	
Triton	ML - MN (2.4)	03/07	01/10	2.4L (4G64)	SOHC 16V (Petrol)	-	TTH064	TAC092	TAF012	TMP045	
Triton	MN (2.4)	01/10	11/13	2.4L (4G64)	SOHC 16V (Petrol)	-	TTH064	TAC092	TAF012	-	
Triton	MH - MJ (3.0 V6)	09/90	10/96	3.0L (6G72)	SOHC 12V (Petrol)	-	-	TAC007	-	-	
Triton	MK (3.0 V6)	10/96	05/98	3.0L (6G72)	SOHC 24V (Petrol)	-	TTH019	TAC004	TAF150	-	Check Idle Air Control Valve illustrations for correct application
Triton	MK (3.0 V6)	05/98	10/03	3.0L (6G72)	SOHC 24V (Petrol)	-	TTH019	TAC004	-	-	Check Idle Air Control Valve illustrations for correct application
Triton	MK (3.0 V6)	11/03	10/06	3.0L (6G72)	SOHC 24V (Petrol)	-	TTH042	TAC004	TAF154	-	Check Idle Air Control Valve illustrations for correct application
Triton	ML (3.5 V6)	11/06	07/09	3.5L (6G74)	SOHC 24V (Petrol)	-	TTH064	-	TAF012	-	
Triton	ML (3.5 V6)	07/09	01/11	3.5L (6G74)	SOHC 24V (Petrol)	TKS005	TTH064	-	TAF012	-	
Triton (Diesel)	ML (3.2D)	07/06	06/09	3.2L (4M41)	SOHC 16V (Diesel)	-	-	-	TAF004	TMP065	
Triton (Diesel)	ML - MN (2.5TD)	02/08	10/14	2.5L (4D56T)	DOHC 16V (Diesel)	-	-	-	TAF004	TMP065	
V3000	KR - KS (3.0)	07/91	09/96	3.0L (6G72)	SOHC 12V (Petrol)	TKS107	-	TAC007	-	-	
Verada	KR - KS (3.0)	07/91	12/97	3.0L (6G72)	SOHC 12V (Petrol)	TKS107	-	TAC007	-	-	
Verada	KE - KH (3.5)	10/96	09/00	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034	TAC004	-	-	
Verada	KJ - KW (3.5)	08/00	12/06	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH034	TAC004	-	-	TTH034 suits models without traction control
Verada	KJ - KW (3.5)	08/00	12/06	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH041	TAC004	-	-	TTH041 suits models with traction control (4 Pin Plug)
Verada	KJ - KW (3.5)	08/00	12/06	3.5L (6G74)	SOHC 24V (Petrol)	TKS112	TTH042	TAC004	-	-	TTH042 suits models with traction control (3 Pin Plug)
Nissan											
200SX	S14 - S15	10/94	12/03	2.0L (SR20DET)	DOHC 16V (Petrol)	TKS002	TTH026 TTH056	-	-	-	TTH026 suits M/T Models, TTH056 suits A/T models
300ZX	Z31 (Turbo)	01/86	12/89	3.0L (VG30ET)	SOHC 12V (Petrol)	-	TTH049	-	-	-	
300ZX	Z32	12/89	03/97	3.0L (VG30DE)	DOHC 24V (Petrol)	TKS002	TTH056	-	-	-	Check Throttle Position Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Nissan cont.											
350Z	Z33	02/03	04/09	3.5L (VQ35DE, VQ35HR)	DOHC 24V (Petrol)	TKS106	-	-	TAF003	-	
370Z	Z34	05/09	09/10	3.7L (VQ37VHR)	DOHC 24V (Petrol)	TKS145	-	-	TAF003	-	
370Z	Z34	09/10	10/14	3.7L (VQ37VHR)	DOHC 24V (Petrol)	TKS146	-	-	TAF003	-	
Bluebird	U31	10/93	12/97	2.4L (KA24DE)	DOHC 16V (Petrol)	TKS002	-	-	-	-	
Bluebird	G10	01/00	01/03	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001 TKS005	TTH035	TAC091	-	-	Check Knock Sensor illustrations for correct application
Bluebird	G11 Sylphy	01/05	01/08	2.0L (MR20DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
Caravan	E24	01/99	01/01	2.4L (KA24E)	SOHC 12V (Petrol)	TKS002	TTH026	-	-	-	
Caravan	E25	01/01	01/07	3.0L (ZD30DDT)	DOHC 16V (Diesel)	-	-	-	TAF003	-	
Cefiro	A32	01/97	01/00	2.0L (VQ20DE)	DOHC 24V (Petrol)	TKS002	TTH026 TTH036	-	TAF110	-	TTH026 suits M/T Models, TTH036 suits A/T models
Cefiro	A33	01/98	01/02	2.0L (VQ20DE)	DOHC 24V (Petrol)	TKS003	TTH035	TAC016	TAF126	-	Check Idle Air Control Valve illustrations for correct application
Cube	Z11	01/05	01/07	1.5L (HR15DE)	DOHC 16V (Petrol)	TKS005	-	-	-	-	
Dualis	J10	10/07	10/14	2.0L (MR20DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
GT-R	R35	03/09	10/14	3.8L (VR38DETT)	DOHC 24V (Petrol)	TKS145	-	-	TAF003	-	
Infiniti	Q45	09/93	01/97	4.5L (VH45DE)	DOHC 32V (Petrol)	TKS002	-	-	-	-	
Juke	F15	01/10	01/11	1.5L (HR15DE)	DOHC 16V (Petrol)	TKS115	-	-	TAF003	-	
Lafesta	B30	12/04	10/14	2.0L (MR20DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
March	K11	01/99	01/01	1.3L (CGA3DE)	DOHC 16V (Petrol)	-	TTH006	-	-	-	
March	K12 (1.2 - 1.4)	01/02	01/10	1.2L - 1.4L (CR)	DOHC 16V (Petrol)	TKS005	-	-	-	TMP093	
Maxima	J30	01/91	10/94	3.0L (VQ30DE)	DOHC 24V (Petrol)	-	TTH035	-	-	-	
Maxima	UA32	02/95	06/96	3.0L (VQ30DE)	DOHC 24V (Petrol)	TKS002	TTH082	-	TAF110	-	
Maxima	UA32	06/96	11/99	3.0L (VQ30DE)	DOHC 24V (Petrol)	TKS002	TTH036	-	TAF110	-	
Maxima	UA33	11/99	11/03	3.0L (VQ30DE)	DOHC 24V (Petrol)	TKS003	TTH035	TAC016	TAF126	-	
Maxima	J31	11/03	03/09	3.5L (VQ35DE)	DOHC 24V (Petrol)	TKS106	-	-	TAF003	-	
Maxima	J32 (2.5 - 3.0 V6)	04/09	09/10	2.5L, 3.5L (VQ25DE, VQ35DE)	DOHC 24V (Petrol)	TKS145	-	-	TAF003	-	
Maxima	J32 (2.5 - 3.0 V6)	09/10	10/14	2.5L, 3.5L (VQ25DE, VQ35DE)	DOHC 24V (Petrol)	TKS146	-	-	TAF003	-	
Micra	K11	05/95	12/98	1.3L (CG13DE)	DOHC 16V (Petrol)	-	TTH067	-	-	-	
Micra	K12 (1.2 - 1.4)	01/04	09/10	1.2L - 1.4L (CR)	DOHC 16V (Petrol)	TKS005	-	-	-	TMP093	
Micra	K13 (1.2 - 1.5)	10/10	10/14	1.2L - 1.5L (HR)	DOHC (Petrol)	-	-	-	TAF003	-	
Murano	Z50	07/05	01/09	3.5L (VQ35DE)	DOHC 24V (Petrol)	TKS106	-	-	TAF003	-	
Murano	Z51	01/09	10/14	3.5L (VQ35DE)	DOHC 24V (Petrol)	TKS145 TKS146	-	-	TAF003	-	Check Knock Sensor illustrations for correct application
Navara	D21	06/92	09/95	2.4L (KA24E)	SOHC 12V (Petrol)	-	TTH073 TTH074	-	-	-	TTH073 suits A/T models, TTH074 suits M/T Models
Navara	D21	10/95	12/97	2.4L (KA24E)	SOHC 12V (Petrol)	-	TTH026	-	-	-	
Navara	D21 - D22 (3.0 V6)	06/92	06/04	3.0L (VG30E)	SOHC 12V (Petrol)	TKS002	TTH073	-	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Nissan cont.											
Navara	D22	07/99	12/05	2.4L (KA24DE)	DOHC 16V (Petrol)	TKS002	TTH026	TAC117	-	-	Suits M/T Models
Navara	D22	07/99	12/05	2.4L (KA24DE)	DOHC 16V (Petrol)	TKS002	TTH056	TAC117	-	-	Suits A/T models
Navara	D22 (3.3 V6)	03/03	12/05	3.3L (VG33E)	OHV 12V (Petrol)	TKS004	-	-	-	-	
Navara	D40 (4.0 V6)	12/05	06/11	4.0L (VQ40DE)	DOHC 24V (Petrol)	TKS005	-	-	TAF003	-	
Navara	D22 (Diesel)	01/02	10/14	2.5L (YD25DDT)	DOHC 16V (Diesel)	-	-	-	TAF003	-	
Navara	D40 (Diesel)	12/05	10/14	2.5L (YD25DDTI)	DOHC 16V (Diesel)	TKS115	-	-	TAF003	TMP092 TMP094	Check Manifold Absolute Pressure Sensor illustrations for correct application
NX/NX-R	B13	10/91	01/96	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	-	-	-	-	
Pathfinder	D21	10/92	11/95	3.0L (VG30E)	SOHC 12V (Petrol)	TKS002	TTH073	-	-	-	
Pathfinder	R50	11/95	01/99	3.3L (VG33E)	SOHC 18V (Petrol)	TKS002	-	-	-	-	
Pathfinder	R50	02/99	07/05	3.3L (VG33E)	SOHC 18V (Petrol)	TKS004	-	-	-	-	
Pathfinder	R51	07/05	05/10	4.0L (VQ40DE)	DOHC 24V (Petrol)	TKS005	-	-	TAF003	-	
Patrol	GQ	02/92	12/97	4.2L (TB42E)	OHV 12V (Petrol)	-	TTH073	-	-	-	
Patrol	GU (4.5)	12/97	10/01	4.5L (TB45E)	SOHC 12V (Petrol)	TKS002	TTH026 TTH056	-	-	-	TTH026 suits M/T Models, TTH056 suits A/T models
Patrol	GU (4.8)	10/01	01/12	4.8L (TB48DE)	DOHC 24V (Petrol)	TKS003	TTH035	TAC096	TAF090	-	
Patrol	GU (2.8 Diesel)	01/98	04/00	2.8L (RD28ET)	SOHC 12V (Diesel)	-	-	-	TAF110	-	
Patrol	GU (3.0 Diesel)	04/00	10/14	3.0L (ZD30DDTi)	DOHC 16V (Diesel)	-	-	-	TAF003	TMP095	
Primera	P11 (1.8)	08/98	09/00	1.8L (QG18DE)	DOHC 16V (Petrol)	TKS001	TTH035	-	TAF125	-	
Primera	P11 (1.8)	09/00	12/00	1.8L (QG18DE)	DOHC 16V (Petrol)	TKS001	TTH026	-	TAF111	-	
Primera	P11 (2.0)	01/95	06/99	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	TTH026	-	TAF056	-	
Primera	P11 (2.0)	06/99	04/01	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	TTH026	TAC030	TAF080	-	
Primera	P11 (2.0)	04/01	01/02	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	TTH026	-	TAF080	-	
Primera	P12	01/00	12/01	2.0L (QR20DE)	DOHC 16V (Petrol)	TKS005	-	-	-	-	
Primera	P12	12/01	06/04	2.0L (QR20DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF080	-	
Primera	P12	06/04	01/07	2.0L (QR20DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF113	-	
Pulsar	N13 (1.6)	06/87	09/91	1.6L (16LF)	SOHC 8V (Petrol)	-	TTH001	TAC070	-	-	
Pulsar	N13 (1.8)	06/87	09/91	1.8L (18LF)	SOHC 8V (Petrol)	-	TTH002	-	-	-	
Pulsar	N14 (1.6)	10/91	09/95	1.6L (GA16DE)	DOHC 16V (Petrol)	-	TTH101	TAC062	-	-	
Pulsar	N14 (2.0)	10/91	09/95	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	-	-	-	-	
Pulsar	N15 (1.5)	01/95	01/00	1.5L (GA15DE)	DOHC 16V (Petrol)	TKS143	TTH067	-	-	-	
Pulsar	N15 (1.6)	10/95	07/02	1.6L (GA16DE)	DOHC 16V (Petrol)	TKS143	TTH026 TTH067	TAC097	TAF123	-	Check Throttle Position Sensor illustrations for correct application
Pulsar	N15 (2.0)	10/95	07/00	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	TTH026	-	TAF056	-	
Pulsar	Y11	01/99	04/01	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001	TTH035	TAC087	-	-	
Pulsar	Y11	04/01	01/02	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001	TTH035	TAC091	-	-	
Pulsar	Y11	01/02	10/02	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001	TTH035	TAC091	-	-	
Pulsar	Y11	10/02	01/07	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS005	-	TAC091	TAF003	-	
Pulsar	N16 (1.5)	01/01	12/03	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001	TTH035	-	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Nissan cont.											
Pulsar	N16 (1.6)	07/00	03/03	1.6L (QG16DE)	DOHC 16V (Petrol)	TKS001	TTH035	TAC077	-	-	
Pulsar	N16 (1.8)	07/00	10/00	1.8L (QG18DE)	DOHC 16V (Petrol)	TKS001	TTH026 TTH035	TAC077 TAC086 TAC122	TAF125	-	Check illustrations for correct application
Pulsar	N16 (1.8)	10/00	08/02	1.8L (QG18DE)	DOHC 16V (Petrol)	TKS001	TTH026 TTH035	TAC077 TAC086 TAC122	TAF111	-	Check illustrations for correct application
Pulsar	N16 (1.8)	08/02	07/04	1.8L (QG18DE)	DOHC 16V (Petrol)	TKS005	TTH026 TTH035	-	TAF111	-	TTH026 suits M/T models, TTH035 suits A/T models
Pulsar	N16 (1.8)	07/04	01/06	1.8L (QG18DE)	DOHC 16V (Petrol)	TKS005	TTH026 TTH035	-	TAF112	-	TTH026 suits M/T models, TTH035 suits A/T models
Serena	C23	01/91	1995	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	-	-	-	-	
Serena	C24	01/99	01/01	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS002	TTH035	TAC031	TAF126	-	
Serena	C25	01/05	01/07	2.0L (MR20DE)	DOHC 16V (Petrol)	TKS005	-	-	-	-	
Skyline	R30	03/81	06/86	2.4L (L24E)	SOHC (Petrol)	-	TTH049	-	-	-	TTH049 suits manual transmissions
Skyline	R31	07/86	12/90	3.0L (RB30E)	SOHC 12V (Petrol)	-	TTH049	-	-	-	TTH049 suits manual transmissions
Skyline	R33 - R34 GTR	01/95	08/02	2.6L (RB26DETT)	DOHC 24V (Petrol)	TKS143	-	-	-	-	
Skyline	V36 (3.5 V6)	01/06	01/07	3.5L (VQ35HR)	DOHC 24V (Petrol)	TKS145	-	-	-	-	
Skyline	V36 (3.7 V6)	01/07	01/08	3.7L (VQ37VHR)	DOHC 24V (Petrol)	TKS146	-	-	-	-	
Teana	J31 (2.3 V6)	01/03	01/06	2.3L (VQ23DE)	DOHC 24V (Petrol)	TKS106	-	-	TAF003	-	
Terrano II	R20 (2.4)	03/97	06/00	2.4L (KA24E)	SOHC 12V (Petrol)	-	TTH026	-	-	-	TTH026 suits manual transmissions
Terrano II (Diesel)	R20 (2.7)	03/97	06/00	2.7L (TD27Ti)	SOHC 8V (Diesel)	-	-	-	TAF056 TAF124	-	Check Air Flow Meter illustrations for correct application
TIIDA	C11	02/06	10/14	1.8L (MR18DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
Tino	V10 (1.8)	01/98	01/02	1.8L (QG18DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF111	-	Check Air Flow Meter illustrations for correct application
Tino	V10 (2.0)	01/98	01/02	2.0L (SR20DE)	DOHC 16V (Petrol)	TKS005	TTH035	TAC031	TAF080	-	Check illustrations for correct application
Urvan	E25 (2.4)	01/01	01/06	2.4L (KA24DE)	DOHC 16V (Petrol)	TKS002	TTH026	-	-	-	
Urvan	E25 (3.0)	01/08	10/14	3.0L (ZD30DDT)	DOHC 16V (Diesel)	-	-	-	TAF003	-	
Wingroad	Y11	01/99	04/01	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001	TTH035	TAC087	-	-	
Wingroad	Y11	04/01	01/02	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001	TTH035	TAC091	-	-	
Wingroad	Y11	01/02	10/02	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS001	TTH035	TAC091	-	-	
Wingroad	Y11	10/02	01/03	1.5L (QG15DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
X-Trail	T30 (2.0)	01/00	09/03	2.0L (QR20DE)	DOHC 16V (Petrol)	TKS003	-	-	TAF003	-	
X-Trail	T30 (2.0)	09/03	01/07	2.0L (QR20DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
X-Trail	T30 (2.5)	10/01	09/03	2.5L (QR25DE)	DOHC 16V (Petrol)	TKS003	-	-	TAF003	-	
X-Trail	T30 (2.5)	09/03	09/07	2.5L (QR25DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
X-Trail	T31 (2.5)	10/07	10/14	2.5L (QR25DE)	DOHC 16V (Petrol)	TKS145	-	-	TAF003	-	
X-Trail	T31 (2.0)	01/11	10/14	2.0L (MR20DE)	DOHC 16V (Petrol)	TKS005	-	-	TAF003	-	
X-Trail (Diesel)	T31 (2.0)	07/08	10/14	2.0L (M9R)	DOHC 16V (Diesel)	-	-	-	TAF003	TMP059	Check Manifold Absolute Pressure Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Peugeot											
206	XR	09/99	02/07	1.4L (TU3JP)	SOHC 8V (Petrol)	TKS018 TKS019 TKS065 TKS070	TTH005 TTH032	TAC068 TAC069 TAC071 TAC074 TAC078	-	TMP014 TMP016 TMP025	Check illustrations for correct application
206	XR, XT	09/99	01/01	1.6L (TU5JP)	SOHC 8V (Petrol)	TKS065	TTH005	-	-	TMP014 TMP025	TMP025 to VIN no. RPO 08028, TMP014 from VIN no. RPO 08029
206	GTi Incl. CC	09/99	06/07	2.0L (EW10J4)	DOHC 16V (Petrol)	TKS018 TKS019	TTH032	TAC049	-	TMP014 TMP026	TMP026, TTH032, TKS019 suits manual throttle body, TMP014, TKS018 suits motorised throttle body. TAC049 to VIN no. RPO 09575
206	Incl. CC	01/01	06/07	1.6L (TU5JP4)	DOHC 16V (Petrol)	TKS019 TKS070	-	-	-	TMP016	TKS019 to VIN no. RPO 09456, TKS070 from VIN no. RPO 09457
206	GTI 180	10/03	02/07	2.0L (EW10J4S)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP016	
207	XS, XR	01/07	07/10	1.4L (ET3J4,TU3JP)	Petrol	TKS070	-	-	-	TMP016	
207, 207CC	XE, XT	02/07	10/14	1.6L (EP6)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052	
207, 207CC	GT, GTi	02/07	10/14	1.6L (EP6DT, EP6DTS)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041	Check Manifold Absolute Pressure Sensor illustrations for correct application
207	HDi	02/07	10/14	1.6L (DV6TED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
207	XR	07/10	10/14	1.4L (EP3C)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052	
208		10/12	10/14	1.2L (EB2)	DOHC 12V (Petrol)	TKS018	-	-	-	-	
208		10/12	10/14	1.6L (EP6)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP075	
208	Incl. GTi	10/12	10/14	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
2008		10/13	10/14	1.6L (EP6)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP075	
306	N3 - N5	01/94	12/01	1.8L, 2.0L (XU7JP, XU10J2)	SOHC 8V (Petrol)	-	-	TAC109	-	-	
306	N3 S16	07/94	08/96	2.0L (XU10J4)	DOHC 16V (Petrol)	TKS021	TTH003	-	-	-	
306	N5	07/97	12/01	1.8L (XU7JP4)	DOHC 16V (Petrol)	TKS019 TKS072	TTH004	-	-	TMP014 TMP015 TMP025	Check illustrations for correct application
306	N5	02/97	06/97	2.0L (XU10J2)	SOHC 8V (Petrol)	TKS021	-	TAC109	-	-	
306	N5	07/97	12/01	2.0L (XU10J4)	DOHC 16V (Petrol)	TKS072	TTH004	-	-	TMP014 TMP025	Check illustrations for correct application
306	N5 GTi6	07/97	10/00	2.0L (XU10J4RS)	DOHC 16V (Petrol)	-	-	-	-	TMP014 TMP025	TMP025 to VIN no. RPO 08056, TMP014 from VIN no. RPO 08057
307	N5	12/01	06/08	1.6L (TU5JP4)	DOHC 16V (Petrol)	TKS019 TKS070	-	-	-	TMP016	Check Knock Sensor illustrations for correct application
307, 307CC	N5	12/01	10/05	2.0L (EW10J4)	DOHC 16V (Petrol)	TKS018 TKS019	TTH032	TAC049	-	TMP014 TMP026	TKS018, TMP026 suits motorised throttle body, TKS019, TTH032, TAC049, TMP014 suits manual throttle body
307	N5 HDi	12/01	06/08	2.0L (DW10TD, DW10BTED4)	16V (Diesel)	-	-	-	TAF038	TMP021	
307, 307CC	N5	10/05	06/09	2.0L (EW10A)	DOHC 16V (Petrol)	-	-	-	-	TMP016	
307, 307CC	Sport	10/05	12/08	2.0L (EW10J4S)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP016	
307	N5 HDi	01/05	06/08	1.6L (DV6TED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Peugeot cont.											
308, 308CC		02/08	10/14	1.6L (EP6)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052	
308, 308CC	Turbo Incl. GTi	02/08	10/14	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041 TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
308	XTS	10/08	02/11	1.6L (EP6DTS)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041	Check Manifold Absolute Pressure Sensor illustrations for correct application
308, 308CC	HDi	02/08	01/11	2.0L (DW10BTED4)	DOHC 16V (Diesel)	-	-	-	TAF038	TMP021	
308	HDi	07/08	07/11	1.6L (DV6TED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
308		08/11	10/14	1.4L (EP3)	DOHC 16V (Petrol)	TKS018	-	-	-	TMP052	
308, 308CC	HDi	02/11	10/14	2.0L (DW10CTED4)	DOHC 16V (Diesel)	-	-	-	TAF055	-	
3008		06/10	12/11	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP044 TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
3008	HDi	06/10	12/11	1.6L (DV6TED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
3008	HDi	06/10	12/11	2.0L (DW10CTED4)	DOHC 16V (Diesel)	-	-	-	TAF055	-	
405	D60	02/89	04/93	1.9L (D6A, XU9J2)	SOHC 8V (Petrol)	-	-	TAC109	-	-	
405	D70 SOHC	05/93	05/96	2.0L (XU10J2)	SOHC 8V (Petrol)	-	-	TAC109	-	-	
405	D70 DOHC	05/93	05/96	2.0L (XU10J4)	DOHC 16V (Petrol)	-	TTH003	-	-	-	
406	D8	01/95	01/99	1.6L (XU5JP)	SOHC 8V (Petrol)	-	-	TAC109	-	-	
406	D8	01/95	01/99	1.8L (XU7JP4)	DOHC 16V (Petrol)	TKS019 TKS072	TTH004	-	-	TMP014 TMP015 TMP025	Check illustrations for correct application
406	D8	09/96	12/99	2.0L (XU10J4)	DOHC 16V (Petrol)	TKS072	TTH004	-	-	TMP014 TMP025	Check illustrations for correct application
406	D8	10/97	12/99	2.9L (ES9J4, ES9J4S)	DOHC 24V (Petrol)	-	-	-	-	TMP014 TMP025	TMP025 To VIN no. RPO 08077, TMP014 from VIN no. RPO 08078
406	D9	08/99	09/04	2.0L (EW10J4, EW10J4R, XU10J4R)	DOHC 16V (Petrol)	TKS019	TTH032	TAC049	-	TMP014	
406	D9	08/99	09/04	2.9L (ES9J4, ES9J4S)	DOHC 24V (Petrol)	TKS021 TKS072	-	-	-	TMP026	Check Knock Sensor illustrations for correct application
406	D9 HDi	08/99	08/04	2.0L (DW10ATED)	SOHC 8V (Diesel)	-	-	-	-	TMP090 TMP112	TMP112 to VIN no. RPO 09820, TMP090 from VIN no. RPO 09821
406	D9	01/01	01/05	2.2L (EW12J4)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP014	
407	ST	09/04	08/09	2.2L (EW12J4, EW12E4)	DOHC 16V (Petrol)	TKS019	-	-	-	TMP014 TMP016	Check illustrations for correct application
407	SV	09/04	08/09	2.9L (ES9A)	DOHC 24V (Petrol)	TKS021 TKS072	-	-	-	TMP026	Check Knock Sensor illustrations for correct application
407	HDi	09/04	12/11	2.0L (DW10BTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	TMP021	
407	HDi	03/06	06/10	2.7L (DT17TED4)	DOHC 24V (Diesel)	-	-	-	TAF038	-	
407	HDi	01/09	12/11	2.0L (DW10CTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	-	TAF044 from VIN no. RPO 12579
4007	ST, SV	10/09	10/14	2.2L (DW12MTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	TMP104 TMP114	Check Manifold Absolute Pressure Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Peugeot cont.											
505	STI, GTI	01/83	12/90	2.2L (ZDJL)	SOHC 8V (Petrol)	-	TTH029	-	-	-	
508	1.6T	10/11	10/14	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
508	HDi	07/11	10/14	2.0L (DW10CTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	-	Check Air Flow Meter illustrations for correct application
508	GT HDi	07/11	10/14	2.2L (DW12)	DOHC 16V (Diesel)	-	-	-	-	TMP104	
5008	1.6T	05/13	10/14	1.6L (EP6CDT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041 TMP046	Check Manifold Absolute Pressure Sensor illustrations for correct application
5008	HDi	05/13	10/14	2.0L (DW10CTED4)	DOHC 16V (Diesel)	-	-	-	TAF055	-	
605		03/94	08/96	3.0L (ZPJ)	SOHC 12V (Petrol)	TKS021	TTH003	-	-	-	
607		11/01	06/08	2.9L (ES9J4S, ES9A)	DOHC 24V (Petrol)	TKS021 TKS072	-	-	-	TMP026	Check Knock Sensor illustrations for correct application
Expert	HDi	08/08	12/11	2.0L (DW10BTED4, DW10UTED4)	DOHC 16V (Diesel)	-	-	-	TAF044	TMP021	
Partner	L1	09/08	12/11	1.6L (TU5JP4B)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP016	
Partner	L1 - L2	09/08	10/14	1.6L (DV6AUTED4)	DOHC 16V (Diesel)	-	-	-	TAF033	TMP021	
RCZ	1.6T	10/10	10/14	1.6L (EP6DT)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP040 TMP041 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
RCZ	1.6T	10/10	10/14	1.6L (EP6DTS)	DOHC 16V (Petrol)	TKS070	-	-	-	TMP046 TMP047	Check Manifold Absolute Pressure Sensor illustrations for correct application
RCZ	HDi	10/10	10/14	2.0L (DW10CTED4)	DOHC 16V (Diesel)	-	-	-	TAF055	-	
Proton											
M21		10/97	11/00	1.8L (4G93)	DOHC 16V (Petrol)	-	-	TAC101	-	-	
Persona		11/96	10/04	1.6L (S4, 4G92)	SOHC 12V (Petrol)	-	-	TAC101	-	-	
Satria		02/97	01/07	1.6L, 1.8L (S4, 4G92, 4G93)	16V (Petrol)	-	-	TAC101	-	-	
Wira		05/95	11/96	1.6L (4G92)	SOHC 16V (Petrol)	-	-	TAC101	-	-	
Range Rover											
Evoque	Si4	10/11	10/14	2.0L (204PT)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP010 TMP073	Check Manifold Absolute Pressure Sensor illustrations for correct application
Evoque	TD4, eD4, SD4	10/11	10/14	2.2L (224DT)	DOHC 16V (Diesel)	-	-	-	-	TMP104	
Range Rover		01/95	07/02	4.0L, 4.6L (42D, 44D, 46D, 58D)	OHV 16V (Petrol)	TKS071	TTH006	-	TAF075	-	Check illustrations for correct application
Range Rover		08/02	08/05	4.4L (M62B44)	DOHC 32V (Petrol)	-	-	-	TAF103	-	
Range Rover	TDV8	05/07	12/10	3.6L (368DT)	DOHC 32V (Diesel)	-	-	-	TAF096	-	
Range Rover	Incl. S/Charged	09/09	10/14	5.0L (508PN, 508PS)	DOHC 32V (Petrol)	TKS134	-	-	-	TMP010	Check Manifold Absolute Pressure Sensor illustrations for correct application
Sport	TDV6	08/05	09/09	2.7L (ELD11)	SOHC 16V (Diesel)	-	-	-	TAF119	-	TAF119 to VIN no. (V)6A499999
Sport	SDV6, TDV6, TDV8	02/07	09/13	3.0L, 3.6L (306DT, 368DT)	DOHC (Diesel)	-	-	-	TAF096	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Renault											
Clio	X65 (MK II)	01/00	01/02	1.4L (K4J)	DOHC 16V (Petrol)	TKS088	TTH008	-	-	TMP032	
Clio	X65 (MK II)	01/02	06/06	1.4L (K4J)	DOHC 16V (Petrol)	TKS088	TTH008	-	-	-	
Clio	X65 (MK II)	01/02	06/06	1.6L (K4M)	DOHC 16V (Petrol)	TKS088	TTH008	-	-	-	
Clio	X65 (MK II)	05/01	10/06	2.0L (F4R)	DOHC 16V (Petrol)	TKS088	-	-	-	TMP032	
Clio	X85 (MK III)	07/06	12/08	1.4L (K4J)	DOHC 16V (Petrol)	-	-	-	-	TMP032	
Clio	X85 (MK III)	01/07	01/08	1.6L (K4M)	DOHC 16V (Petrol)	-	TTH008	-	-	-	
Clio	X85 (MK III)	08/08	02/10	2.0L (F4R)	DOHC 16V (Petrol)	TKS088	-	-	-	TMP032	
Clio	X98 (MK IV)	09/13	10/14	0.9L, 1.2L (H4BA, H5FD)	DOHC (Petrol)	-	-	-	-	TMP054 TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
Clio	X98 RS, Sport (MK IV)	12/13	10/14	1.6L (M5MT)	DOHC 16V (Petrol)	TKS072	-	-	-	TMP026	Check Knock Sensor illustrations for correct application
Fluence	X38	11/10	10/14	2.0L (M4RJ)	DOHC 16V (Petrol)	TKS065	-	-	-	TMP032	
Kangoo	X76	08/04	11/10	1.6L (K4M)	DOHC 16V (Petrol)	TKS088	-	-	-	-	
Kangoo	X61	12/10	01/13	1.6L (K4M)	DOHC 16V (Petrol)	TKS088	-	-	-	TMP032	
Kangoo	X61 (Diesel)	01/13	10/14	1.5L (K9K)	DOHC 8V (Diesel)	TKS088	-	-	-	TMP054	
Koleos	H45	09/08	04/10	2.0L (M9RD)	DOHC 16V (Diesel)	-	-	-	-	TMP059	
Laguna	RXE	01/95	07/96	2.0L (F3R)	SOHC 8V (Petrol)	TKS088	-	-	-	-	
Laguna	V6	01/95	07/96	3.0L (Z7X)	SOHC 12V (Petrol)	TKS021	-	-	-	-	
Laguna		01/01	01/06	2.9L (L7X)	SOHC 24V (Petrol)	TKS072	-	-	-	TMP026	TKS072 replaces original green part
Laguna		01/02	01/06	2.0L (F4R)	DOHC 16V (Petrol)	TKS088	-	-	-	TMP032	
Laguna	dCi	11/06	05/08	2.2L (G9T)	DOHC 16V (Diesel)	-	-	-	-	TMP054	
Laguna	X91	10/08	01/11	2.0L (F4R 811)	DOHC 16V (Petrol)	TKS088	-	-	-	-	
Laguna	X91 (Diesel)	01/08	01/11	2.0L (M9R)	DOHC 16V (Diesel)	-	-	-	-	TMP059	
Latitude	X43 dCi	01/11	01/14	2.0L (M9RM)	DOHC 16V (Diesel)	-	-	-	-	TMP059	
Master	X62	10/11	10/14	2.3L (M9TD)	DOHC 16V (Diesel)	-	-	-	-	TMP059	
Megane	X84	01/01	12/07	1.6L (K4M)	DOHC 16V (Petrol)	TKS088	-	-	-	TMP032	
Megane	X84	11/03	07/10	2.0L (F4RZ 770)	DOHC 16V (Petrol)	TKS088	-	-	-	-	
Megane	X84 (Diesel)	07/07	09/09	1.9L (F9Q)	DOHC 8V (Diesel)	-	-	-	-	TMP088	
Megane	X84 dCi	08/08	07/10	1.9L, 2.0L (F9Q, M9RC)	(Diesel)	-	-	-	-	TMP059	
Megane	X95	11/10	10/14	2.0L (F4R)	DOHC 16V (Petrol)	-	-	-	-	TMP054	
Megane	X32 dCi	10/11	10/14	1.5L (K9KN)	SOHC 8V (Diesel)	TKS088	-	-	-	TMP054	
Megane	B95	10/13	10/14	1.2L	DOHC 16V (Petrol)	-	-	-	-	TMP054 TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
R19		09/91	12/96	1.7L, 1.8L (F3N, F3P)	SOHC 8V (Petrol)	TKS088	TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
R21		01/88	12/91	2.2L (J7T)	SOHC 8V (Petrol)	TKS088	TTH029	-	-	-	
R25		01/85	12/91	2.2L, 2.8L (J7T, Z7W)	SOHC (Petrol)	TKS088	TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
Scenic	JA	05/01	12/02	1.6L (K4M)	DOHC 16V (Petrol)	TKS088	TTH008	-	-	TMP032	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Renault cont.											
Scenic	J84	01/04	01/07	1.6L (K4M 764)	DOHC 16V (Petrol)	TKS088	-	-	-	TMP032	
Scenic	J84 (Diesel)	07/07	03/09	1.9L (F9Q)	SOHC 8V (Diesel)	-	-	-	-	TMP088	
SAAB											
900		03/94	09/96	2.0L (B206I)	DOHC 16V (Petrol)	-	TTH003	-	-	-	
900		09/96	12/98	2.0L (B206I)	DOHC 16V (Petrol)	-	TTH006	-	-	-	
900	Turbo	12/94	12/98	2.0L (B204L)	DOHC 16V (Petrol)	TKS037	TTH006	-	-	-	
900		03/91	01/93	2.1L (B212I)	DOHC 16V (Petrol)	-	TTH003	TAC010	-	-	
900		10/94	12/98	2.3L (B234)	DOHC 16V (Petrol)	-	TTH003	-	-	-	
9000	Turbo	05/86	02/91	2.0L (B202L)	DOHC 16V (Petrol)	-	-	TAC010	-	-	
9000		01/87	12/90	2.0L (B202)	DOHC 16V (Petrol)	-	TTH003	-	-	-	
9000		05/90	12/97	2.3L (B234)	DOHC 16V (Petrol)	-	TTH003 TTH006	TAC010	-	-	Check illustrations for correct application
9000		02/96	12/98	2.3L (B234L4)	DOHC 16V (Petrol)	-	TTH003 TTH006	-	-	-	Check Throttle Position Sensor illustrations for correct application
9-3	Turbo	06/98	09/02	2.0L (B204L, B204E, B205E, B205L)	DOHC 16V (Petrol)	-	TTH006	-	-	-	
9-3		06/98	10/02	2.0L, 2.3L (B205R, B234I, B235R)	DOHC 16V (Petrol)	TKS037	TTH006	-	-	-	
9-3	Aero	01/06	06/10	2.8L (B284L)	DOHC 24V (Petrol)	TKS080	-	-	-	-	
9-5	Aero	02/00	10/01	2.3L (B235R)	DOHC 16V (Petrol)	-	TTH006	-	-	-	
Seat											
Cordoba	1.9	01/95	01/96	1.9L (2E)	SOHC 8V (Petrol)	TKS054	-	TAC047	-	-	
Cordoba	1.6	01/98	01/99	1.6L (AFT)	SOHC 8V (Petrol)	TKS042	-	-	TAF049	-	
Cordoba	1.6	09/98	01/00	1.6L (AEE, ALM)	SOHC (Petrol)	TKS037	-	-	-	TMP035	
Ibiza	Cupra Sport	01/94	01/97	2.0L (ABF)	DOHC 16V (Petrol)	TKS054	-	-	-	-	
Ibiza	GTi	01/95	01/98	2.0L (2E)	SOHC 8V (Petrol)	TKS054	-	TAC047	-	-	
Toledo	GLX	01/95	01/99	2.0L (2E)	SOHC 8V (Petrol)	TKS042 TKS054	-	-	-	-	Check Knock Sensor illustrations for correct application
Toledo	Magnus	01/97	01/99	2.0L (AGG)	DOHC 8V (Petrol)	TKS054	-	-	TAF049	-	Check Air Flow Meter illustrations for correct application
Skoda											
Fabia	6Y (1.4)	01/02	01/07	1.4L (BBZ)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP035	
Fabia	6Y (1.4)	01/03	01/07	1.4L (BKY)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP011	
Fabia	6Y (1.9 TDi)	01/04	01/07	1.9L (BLT)	SOHC 8V (Diesel)	-	-	-	TAF007	TMP002	
Fabia	6Y (2.0)	01/03	01/05	2.0L (AZL)	SOHC 8V (Petrol)	TKS036	-	-	TAF029	-	
Fabia	5J (1.2)	10/10	10/14	1.2L (CBZB)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP058	
Fabia	5J (1.6)	01/08	01/09	1.6L (BTS)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP011	
Fabia	5J (1.4 TDi)	01/07	01/08	1.4L (BNV)	SOHC 6V (Diesel)	-	-	-	TAF008	TMP005	
Fabia	5J (1.9 TDi)	01/08	01/09	1.9L (BSW)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Octavia	1U (1.8)	01/02	02/03	1.8L (AUQ)	DOHC 20V (Petrol)	TKS036	-	-	TAF099	TMP006	

Make and Model	Year	Start	Finish	Engine		Part Number					Notes
				Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Skoda cont.											
Octavia	1U (1.8)	02/03	01/04	1.8L (AUQ)	DOHC 20V (Petrol)	TKS036	-	-	TAF099	TMP005	
Octavia	1U (1.8)	01/03	02/03	1.8L (AGU)	DOHC 20V (Petrol)	TKS081	-	-	TAF046	TMP006	
Octavia	1U (1.8)	02/03	12/04	1.8L (AGU)	DOHC 20V (Petrol)	TKS081	-	-	TAF046	TMP005	TMP005 suits until 12/04
Octavia	1U (1.8)	12/04	01/07	1.8L (AGU)	DOHC 20V (Petrol)	TKS081	-	-	TAF046	-	
Octavia	1U (2.0)	01/03	01/04	2.0L (APK)	SOHC 8V (Petrol)	TKS036	-	-	TAF037	-	
Octavia	1Z (1.4)	09/10	06/11	1.4L (CAXA)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP005	
Octavia	1Z (1.4)	06/11	10/14	1.4L (CAXA)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP058	
Octavia	1Z (1.6)	01/05	01/06	1.6L (BLF)	DOHC 16V (Petrol)	TKS036	TTH013	-	-	TMP011	
Octavia	1Z (1.6)	03/09	08/10	1.6L (BSE)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP028	
Octavia	1Z (1.6 TDi)	01/10	11/10	1.6L (CAYC)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP002	
Octavia	1Z (1.6 TDi)	11/10	10/14	1.6L (CAYC)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Octavia	1Z (1.8)	10/07	02/09	1.8L (BZB)	DOHC 16V (Petrol)	TKS038	TTH031	-	TAF017	TMP004	
Octavia	1Z (1.8)	03/09	10/14	1.8L (CDA A)	DOHC 16V (Petrol)	TKS038	TTH031	-	TAF148	TMP004	
Octavia	1Z (1.9 TDi)	10/07	07/11	1.9L (BXE)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Octavia	1Z (2.0)	01/05	01/06	2.0L (BLR)	DOHC 16V (Petrol)	TKS036 TKS040	-	-	-	TMP028	Check Knock Sensor illustrations for correct application
Octavia	1Z (2.0)	10/07	02/09	2.0L (BVY)	DOHC 16V (Petrol)	TKS036 TKS040	-	-	-	TMP028	Check Knock Sensor illustrations for correct application
Octavia	1Z (2.0)	01/06	02/09	2.0L (BWA)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP004	Check Knock Sensor illustrations for correct application
Octavia	1Z (2.0)	03/09	10/14	2.0L (CCZA)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	
Octavia	1Z (2.0 TDi)	01/06	10/14	2.0L (BKD, BMM, BMN)	(Diesel)	-	-	-	TAF007	TMP002	
Octavia	1Z (2.0 TDi)	10/08	10/14	2.0L (CEGA)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
Roomster	5J (1.2)	01/10	10/14	1.2L (CBZB)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP058	
Roomster	5J (1.6)	10/07	10/10	1.6L (BTS)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP011	
Roomster	5J (1.9 TDi)	10/07	10/10	1.9L (BSW)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Superb	3U (2.5 TDi)	01/05	01/07	2.5L (BDG)	DOHC 24V (Diesel)	-	-	-	-	TMP005	
Superb	3U (2.8)	01/03	01/07	2.8L (BBG)	DOHC 30V (Petrol)	TKS039 TKS093	-	-	TAF030	-	Check Knock Sensor illustrations for correct application
Superb	3T (1.8)	05/09	10/14	1.8L (CDA A)	DOHC 16V (Petrol)	TKS038	TTH031	-	TAF148	TMP004	
Superb	3T (2.0 TDi)	01/08	07/11	2.0L (CBBB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
Superb	3T (2.0 TDi)	05/10	07/11	2.0L (CFGB)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Superb	3T (3.6 V6)	05/09	10/14	3.6L (CDVA)	DOHC 24V (Petrol)	TKS036 TKS076	-	-	-	-	Check Knock Sensor illustrations for correct application
Yeti	5L (2.0 TDi)	01/10	10/14	2.0L (CFH)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Smart											
ForTwo	450	01/00	01/08	0.6L, 0.7L (M160, SUPREX)	SOHC 6V (Petrol)	TKS071	-	-	-	-	
ForTwo	451	02/08	10/14	1.0L (3B21A)	DOHC 12V (Petrol)	TKS005	-	-	-	TMP007	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Smart cont.											
ForFour	454 Incl. Brabus	10/04	01/07	1.3L, 1.5L (M135.930, 4G15, M135.950)	DOHC 16V (Petrol)	TKS062	-	-	-	-	
Roadster	452	10/03	01/07	0.7L (M160)	SOHC 6V (Petrol)	TKS071	-	-	-	-	
Subaru											
Forester	SF (2.0)	08/97	08/98	2.0L (EJ20J)	SOHC 16V (Petrol)	TKS013	-	-	-	-	
Forester	SF Incl. GT	01/98	07/02	2.0L (EJ20, EJ202, EJ205)	DOHC (Petrol)	TKS014	-	-	-	-	
Forester	SG (2.0 Turbo)	06/02	01/04	2.0L (EJ205)	DOHC 16V (Petrol)	-	TTH016	-	TAF001	-	
Forester	SG (2.0)	08/02	01/04	2.0L (EJ202)	SOHC 16V (Petrol)	-	TTH020 TTH024	-	-	TMP013	Check Throttle Position Sensor illustrations for correct application
Forester	SG (2.5)	07/02	06/05	2.5L (EJ251)	SOHC 16V (Petrol)	-	TTH020 TTH024	TAC094	-	TMP013	Check illustrations for correct application
Forester	SG (2.5 Turbo)	07/03	02/08	2.5L (EJ255)	DOHC 16V (Petrol)	-	TTH016	-	TAF001	-	
Forester	SG (2.5)	07/05	02/08	2.5L (EJ253)	SOHC 16V (Petrol)	-	TTH016	-	TAF001	-	
Forester	SH	03/08	01/11	2.5L (EJ253)	SOHC 16V (Petrol)	-	-	-	TAF010	-	
Forester	SH XT	03/08	01/13	2.5L (EJ255)	DOHC 16V (Petrol)	-	-	-	TAF010	TMP060	
Forester	SH (Diesel)	06/10	01/13	2.0L (EE20)	DOHC 16V (Diesel)	-	-	-	TAF010	TMP115	
Impreza	GC, GF (1.6 - 2.0L)	04/93	09/98	1.6L, 1.8L, 2.0L (EJ16, EJ18S, EJ20E, EJ20G)	SOHC 16V (Petrol)	TKS013	-	-	-	-	
Impreza	GC, GF WRX	02/94	01/96	2.0L (EJ20G)	DOHC 16V (Petrol)	TKS015	-	-	-	-	
Impreza	GC, GF, GM WRX Incl. STi	01/96	05/00	2.0L (EJ20G, EJ207)	DOHC 16V (Petrol)	TKS013	-	-	-	-	
Impreza	GC, GF (2.0)	09/98	10/00	2.0L (EJ201)	SOHC 16V (Petrol)	TKS014	-	-	-	-	
Impreza	GC, GF WRX	09/98	10/00	2.0L (EJ205)	DOHC 16V (Petrol)	TKS014	-	-	-	-	
Impreza	GD, GG (1.5)	01/00	06/07	1.5L (EJ15, EL15)	SOHC 16V (Petrol)	-	-	-	TAF152	TMP024	
Impreza	GD, GG (2.0 SOHC)	10/00	08/07	2.0L (EJ201)	SOHC 16V (Petrol)	TKS014	TTH020 TTH024	-	-	TMP013	Check illustrations for correct application
Impreza	GD, GG (2.0 DOHC)	01/00	08/06	2.0L (EJ204)	DOHC 16V (Petrol)	-	-	-	TAF152	TMP013	
Impreza	GD, GG (2.0 DOHC)	08/06	08/07	2.0L (EJ204)	DOHC 16V (Petrol)	-	-	-	TAF152	TMP069	
Impreza	GD, GG WRX Incl. STi	01/00	01/07	2.0L (EJ205, EJ207)	DOHC 16V (Petrol)	-	TTH016	-	TAF001	-	
Impreza	GD, GG RS, RX (2.5)	10/01	09/05	2.5L (EJ251)	SOHC 16V (Petrol)	TKS014	TTH020 TTH024	-	-	-	Check Throttle Position Sensor illustrations for correct application
Impreza	GD, GG WRX Incl. STi (2.5)	09/05	08/07	2.5L (EJ255, EJ257)	DOHC 16V (Petrol)	-	-	-	TAF001	-	
Impreza	G3	09/07	10/14	2.0L (EJ204)	DOHC 16V (Petrol)	-	-	-	TAF152	TMP024	
Impreza	G3 WRX	09/07	10/14	2.5L (EJ255)	DOHC 16V (Petrol)	-	-	-	TAF010	TMP060	
Impreza	G3 STi WRX	02/08	10/14	2.5L (EJ257)	DOHC 16V (Petrol)	-	-	-	TAF010	-	
Legacy	BE, BH	01/98	01/03	2.0L, 2.5L (EJ202, EJ251)	SOHC 16V (Petrol)	TKS014	TTH024	-	-	TMP013	Check Knock Sensor illustrations for correct application
Legacy	BE, BH (B4)	01/98	04/03	2.0L (EJ206, EJ208)	DOHC 16V (Petrol)	-	TTH016	-	TAF001	-	

Make and Model	Year		Engine		Part Number					Notes	
	Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Subaru cont.											
Legacy	BE, BH Incl. B4	05/01	05/03	3.0L (EZ30D)	DOHC 24V (Petrol)	-	TTH068	TAC042	-	-	
Legacy	BL, BP	05/03	10/14	2.0L (EJ20)	DOHC 16V (Petrol)	-	-	-	TAF152	TMP013 TMP024 TMP069	Check Manifold Absolute Pressure Sensor illustrations for correct application
Legacy	BL, BP (GT)	01/03	10/14	2.0L (EJ20X)	DOHC 16V (Petrol)	-	-	-	TAF001	TMP060	Check Manifold Absolute Pressure Sensor illustrations for correct application
Legacy	BL, BP	01/03	04/09	2.5L (EJ253)	SOHC 16V (Petrol)	-	-	-	TAF001	TMP013 TMP024 TMP033	Check Manifold Absolute Pressure Sensor illustrations for correct application
Legacy	BL, BP	09/03	10/14	3.0L (EZ30R)	DOHC 24V (Petrol)	-	-	-	TAF001	TMP049	Check Manifold Absolute Pressure Sensor illustrations for correct application
Legacy	BM, BR (2.5i)	10/09	10/14	2.5L (EJ253)	SOHC 16V (Petrol)	-	-	-	TAF010	TMP060	Check Manifold Absolute Pressure Sensor illustrations for correct application
Legacy	BV, BX GT Premium	10/09	10/14	2.5L (EJ255)	DOHC 16V (Petrol)	-	-	-	TAF010	TMP060	Check Manifold Absolute Pressure Sensor illustrations for correct application
Legacy	BM (3.6R)	09/09	10/14	3.6L (EZ36D)	DOHC 24V (Petrol)	-	-	-	TAF010	TMP091	
Liberty	BC - BD, BF - BG	10/89	01/96	2.2L (EJ22)	SOHC 16V (Petrol)	TKS015	-	-	-	-	
Liberty	BC - BD, BF - BG	01/96	03/99	2.2L (EJ22)	SOHC 16V (Petrol)	TKS013	-	-	-	-	
Liberty	BD, BG	11/96	03/99	2.5L (EJ25D)	DOHC 16V (Petrol)	TKS013	-	-	-	-	
Liberty	BE, BH	10/98	08/03	2.0L, 2.5L (EJ201, EJ202, EJ251)	SOHC 16V (Petrol)	TKS014	TTH024	-	-	TMP013	Check Knock Sensor illustrations for correct application
Liberty	BE, BH (B4)	02/02	06/03	2.0L (EJ206, EJ208)	DOHC 16V (Petrol)	-	TTH016	-	TAF001	-	
Liberty	BL, BP GT (STI)	09/03	07/06	2.0L (EJ20Y)	DOHC 16V (Petrol)	-	-	-	TAF001	TMP060	Check Manifold Absolute Pressure Sensor illustrations for correct application
Liberty	BL, BP (2.0R)	01/06	07/07	2.0L (EJ204)	DOHC 16V (Petrol)	-	-	-	TAF152	TMP013 TMP024 TMP069	Check Manifold Absolute Pressure Sensor illustrations for correct application
Liberty	BL, BP (2.5i)	09/03	07/07	2.5L (EJ251)	SOHC 16V (Petrol)	-	-	-	TAF001	TMP013 TMP024 TMP033	Check Manifold Absolute Pressure Sensor illustrations for correct application
Liberty	BL, BP GT (B, STI)	09/06	08/09	2.5L (EJ255)	DOHC 16V (Petrol)	-	-	-	TAF001	TMP060	
Liberty	BL, BP (2.5i)	08/07	09/09	2.5L (EJ253)	SOHC 16V (Petrol)	-	-	-	TAF001	TMP013 TMP024 TMP033	Check Manifold Absolute Pressure Sensor illustrations for correct application
Liberty	BL, BP (3.0R, R - B)	08/04	09/09	3.0L (EZ30R)	DOHC 24V (Petrol)	-	-	-	TAF001	-	
Liberty	BM, BR (2.5i, X), YA Exiga	10/09	10/14	2.5L (EJ253)	SOHC 16V (Petrol)	-	-	-	TAF010	-	
Liberty	BV, BX GT Premium	10/09	10/14	2.5L (EJ255)	DOHC 16V (Petrol)	-	-	-	TAF010	TMP060	
Liberty	BM (3.6R, 3.6X)	09/09	10/14	3.6L (EZ36D)	DOHC 24V (Petrol)	-	-	-	TAF010	TMP091	
Outback	BG	09/96	10/98	2.5L (EJ25D)	DOHC 16V (Petrol)	TKS014	-	-	-	-	
Outback	BH	10/98	08/03	2.5L (EJ251)	SOHC 16V (Petrol)	TKS014	TTH024	-	-	TMP013	Check Knock Sensor illustrations for correct application
Outback	BH (H6)	10/00	08/03	3.0L (EZ30D)	DOHC 24V (Petrol)	-	TTH068	TAC042	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Subaru cont.											
Outback	BP	09/03	08/09	2.5L (EJ251)	SOHC 16V (Petrol)	-	-	-	TAF001	TMP013 TMP024 TMP033	Check Manifold Absolute Pressure Sensor illustrations for correct application
Outback	BP (3.0R)	10/03	07/04	3.0L (EZ30R)	DOHC 24V (Petrol)	-	-	-	TAF001	TMP049	
Outback	BP (3.0R)	07/04	08/09	3.0L (EZ30R)	DOHC 24V (Petrol)	-	-	-	TAF001	-	
Outback	BR (2.0D)	10/09	10/14	2.0L (EE20)	DOHC 16V (Diesel)	-	-	-	TAF010	TMP115	
Outback	BR (2.5i)	09/09	10/14	2.5L (EJ253)	SOHC 16V (Petrol)	-	-	-	TAF010	-	
Outback	BR (3.6R)	09/09	10/14	3.6L (EZ36D)	DOHC 24V (Petrol)	-	-	-	TAF010	TMP091	
SVX	CX	03/92	04/97	3.3L (EG33)	DOHC 24V (Petrol)	TKS015	-	-	-	-	
Tribeca	3.6R	12/07	10/14	3.6L (EZ36D)	DOHC 24V (Petrol)	-	-	-	-	TMP091	
Suzuki											
Baleno	SY	04/95	11/01	1.6L (G16B)	SOHC 16V (Petrol)	-	TTH071 TTH079	TAC027	-	-	Check Throttle Position Sensor illustrations for correct application
Baleno	SY	03/96	11/01	1.8L (J18A)	DOHC 16V (Petrol)	-	TTH020	-	-	-	
Grand Vitara	SV	04/95	12/98	2.0L (H20A)	DOHC 24V (Petrol)	-	TTH020	-	-	-	
Grand Vitara	SQ	04/98	08/05	2.0L (J20A)	DOHC 16V (Petrol)	-	TTH065	-	-	-	
Grand Vitara	SQ (V6)	04/98	08/05	2.5L (H25A)	DOHC 24V (Petrol)	-	TTH020	TAC028	-	-	
Grand Vitara	JT	09/05	07/08	1.6L (M16A)	DOHC 16V (Petrol)	TKS044	-	-	-	-	
Grand Vitara	JT	09/05	07/08	2.0L (J20A)	DOHC 16V (Petrol)	TKS044	TTH065	-	-	-	
Grand Vitara	JT	09/05	07/08	2.7L (H27A)	DOHC 24V (Petrol)	TKS044	-	-	-	-	
Grand Vitara	JT	01/06	10/14	1.9L (F9Q)	SOHC 8V (Diesel)	-	-	-	-	TMP059 TMP088	Check Manifold Absolute Pressure Sensor illustrations for correct application
Grand Vitara XL7	JA627	06/01	01/06	2.7L (H27A)	DOHC 24V (Petrol)	TKS044	TTH065	-	-	-	
Ignis	RG	10/00	02/05	1.3L, 1.5L (M13A, M15A)	DOHC 16V (Petrol)	TKS044	-	-	-	-	
Jimny	SN	09/00	10/14	1.3L (M13A)	DOHC 16V (Petrol)	TKS044	TTH065	-	-	-	
Liana	RH	11/01	08/07	1.6L, 1.8L (M16A, M18A)	DOHC 16V (Petrol)	TKS044	-	-	-	-	
Swift	SA - SF GTi	10/86	12/98	1.3L (G13B)	DOHC 16V (Petrol)	-	TTH080	-	-	-	
Swift	SF	10/89	04/95	1.6L (G16B)	SOHC 16V (Petrol)	-	TTH050	-	-	-	
Swift	EZ	02/05	01/11	1.5L, 1.6L (M15A, M16A)	DOHC 16V (Petrol)	TKS044	-	-	-	-	
Swift	FZ (DDis)	01/12	10/14	1.3L (D13A)	DOHC 16V (Diesel)	-	-	-	-	TMP076	
Vitara	SV	04/98	11/01	2.0L (J20A)	DOHC 16V (Petrol)	-	TTH020	-	-	-	
Toyota											
4 Runner	YN63, YN130	10/88	12/90	2.2L (4Y-E)	OHV 8V (Petrol)	-	TTH050	-	-	-	
4 Runner	VZN130	10/90	08/91	3.0L (3VZ-E)	SOHC 12V (Petrol)	TKS087	TTH038	-	-	-	
4 Runner	VZN130	08/91	06/96	3.0L (3VZ-E)	SOHC 12V (Petrol)	TKS102	TTH038	-	-	-	
Alphard	MNH10	12/03	03/04	3.0L (1MZ-FE)	DOHC 24V (Petrol)	-	TTH014	TAC037	TAF004	-	
Alphard	MNH10	03/04	04/05	3.0L (1MZ-FE)	DOHC 24V (Petrol)	-	TTH014	-	TAF004	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Toyota cont.											
Alphard	MNH10	04/05	04/08	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	-	-	TAF004	-	
Altezza	JCE10, JCE15	07/01	07/05	3.0L (2JZ-GE)	DOHC 24V (Petrol)	TKS008	TTH033	TAC040	TAF002	-	TAC040 suits until 08/03
Aurion	GSV40	10/06	03/12	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
Aurion	GSV40 (TRD)	08/07	04/09	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	-	-	
Avalon	MCX10	07/00	05/06	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH014	TAC018	-	-	
Avensis	ACM20	12/01	10/03	2.0L (1AZ-FE)	DOHC 16V (Petrol)	-	TTH014	TAC019	TAF002	-	
Avensis	ACM20	10/03	11/03	2.0L (1AZ-FE)	DOHC 16V (Petrol)	TKS009	TTH014	TAC019	TAF002	-	
Avensis	ACM21	11/03	11/10	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF002	-	
Avensis	AZT250	01/03	01/07	2.0L (1AZ-FSE)	DOHC 16V (Petrol)	-	TTH014	-	TAF109	-	
Avensis	ZRT272	01/09	10/14	2.0L (3ZR-FAE)	DOHC 16V (Petrol)	TKS009	-	-	TAF071	-	
Caldina	AT191	01/96	01/97	1.8L (7A-FE)	DOHC 16V (Petrol)	-	TTH025	TAC009	-	-	
Camry	SV11	04/83	04/87	2.0L (2S-EC)	SOHC 8V (Petrol)	-	TTH015	-	-	-	
Camry	SV21	05/87	02/93	2.0L (3S-FE)	DOHC 16V (Petrol)	-	TTH015 TTH037	-	-	-	TTH037 suits A/T models, TTH015 suits M/T models
Camry	VZV21	06/88	08/89	2.5L (2VZ-FE)	DOHC 24V (Petrol)	-	TTH037	-	-	-	
Camry	VZV21	08/89	02/93	2.5L (2VZ-FE)	DOHC 24V (Petrol)	-	TTH038	-	-	-	
Camry	SXV10	02/93	04/95	2.2L (5S-FE)	DOHC 16V (Petrol)	TKS012	TTH025	-	-	-	TTH025 suits M/T models
Camry	SXV10	04/95	08/97	2.2L (5S-FE)	DOHC 16V (Petrol)	TKS012	TTH025	TAC008 TAC025	-	TMP127	Check illustrations for correct application
Camry	VCV10	02/93	08/95	3.0L (3VZ-FE)	DOHC 24V (Petrol)	TKS012	TTH052	-	-	-	
Camry	VCV10	08/95	09/97	3.0L (3VZ-FE)	DOHC 24V (Petrol)	TKS012	TTH052	TAC020	-	-	
Camry	SXV20	12/96	08/02	2.2L (5S-FE)	DOHC 16V (Petrol)	TKS012	TTH014	TAC021 TAC060	-	TMP078	Check Idle Air Control Valve illustrations for correct application
Camry	MCV20	08/97	08/99	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS010	TTH014	TAC018	-	-	
Camry	MCV20	08/99	08/02	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH014	TAC018	-	-	
Camry	ACV36	09/02	06/06	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	TTH014	TAC019	TAF004	-	TTH014 suits until 12/03
Camry	MCV36	09/02	06/06	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH014	TAC018	TAF002	-	
Camry	ACV40	06/06	01/12	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF014	-	
Camry	AHV40 (Hybrid)	02/10	02/12	2.4L (2AZ-FEH)	DOHC 16V (Hybrid)	TKS009	-	-	-	-	
Camry	ASV50 (Atara)	12/11	10/14	2.5L (2AR-FE)	DOHC 16V (Petrol)	TKS009	-	-	-	-	
Camry	AVV50 (Hybrid)	03/12	10/14	2.5L (2AR-FXE)	DOHC 16V (Hybrid)	TKS009	-	-	-	-	
Celica	ST162	10/85	10/89	2.0L (3S-FE, 3S-GE)	DOHC 16V (Petrol)	-	TTH037	-	-	-	
Celica	ST182	09/89	08/91	2.0L (3S-GE)	DOHC 16V (Petrol)	TKS087	-	-	-	-	
Celica	ST182	08/91	09/93	2.0L (3S-GE)	DOHC 16V (Petrol)	TKS102	-	-	-	-	
Celica	ST184	11/89	08/91	2.2L (5S-FE)	DOHC 16V (Petrol)	TKS012	TTH038	TAC008	-	-	
Celica	ST184	08/91	03/94	2.2L (5S-FE)	DOHC 16V (Petrol)	TKS012	TTH025	TAC008	-	-	
Celica	ST185 (Incl. GT - four)	09/89	08/91	2.0L (3S-GTE)	DOHC 16V (Petrol)	TKS087	TTH038	-	-	-	Check Throttle Position Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Toyota cont.											
Celica	ST185 (Incl. GT - four)	08/91	09/93	2.0L (3S-GTE)	DOHC 16V (Petrol)	TKS102	TTH038	-	-	-	Check Throttle Position Sensor illustrations for correct application
Celica	ST204	03/94	11/99	2.2L (5S-FE)	DOHC 16V (Petrol)	TKS012	TTH025	TAC008	-	-	
Celica	ST205 (GT - four)	09/93	08/99	2.0L (3S-GTE)	DOHC 16V (Petrol)	-	TTH025	-	-	-	
Celica	ZZT230	08/99	10/02	1.8L (1ZZ-FE)	DOHC 16V (Petrol)	TKS011	TTH012	-	TAF002	-	
Celica	ZZT231	11/99	03/06	1.8L (2ZZ-GE)	DOHC 16V (Petrol)	-	TTH028	TAC035	TAF002	-	
Coaster	BB50, BB58	01/99	09/06	4.1L (15B-FTE)	OHV 16V (Diesel)	-	-	-	-	TMP099	Check Manifold Absolute Pressure Sensor illustrations for correct application
Coaster	XZB50, XZB40	01/04	12/11	4.0L (N04CTB, N04CTQ)	OHV 16V (Diesel)	-	-	-	TAF052	-	
Corolla	AE82	09/86	05/89	1.6L (4A-GE)	DOHC 16V (Petrol)	-	TTH037	-	-	-	Check Throttle Position Sensor illustrations for correct application
Corolla	AE95	04/88	07/95	1.6L (4A-FE, 4A-GE)	DOHC 16V (Petrol)	-	TTH015	TAC024	-	-	Check Idle Air Control Valve illustrations for correct application
Corolla	AE93	10/89	04/91	1.6L (4A-GE)	DOHC 16V (Petrol)	TKS087	TTH015	-	-	-	
Corolla	AE93	04/91	10/92	1.6L (4A-GE)	DOHC 16V (Petrol)	TKS008	TTH015	-	-	-	
Corolla	AE92, AE94	07/91	12/94	1.6L (4A-FE)	DOHC 16V (Petrol)	-	TTH015	TAC017 TAC024	-	-	Check Idle Air Control Valve illustrations for correct application
Corolla	AE96	01/92	01/94	1.8L (7A-FE)	DOHC 16V (Petrol)	-	TTH025	TAC024	-	-	
Corolla	AE93	11/92	09/94	1.8L (7A-FE)	DOHC 16V (Petrol)	TKS050	-	-	-	-	
Corolla	AE101	09/91	12/98	1.6L (4A-FE)	DOHC 16V (Petrol)	-	TTH014 TTH025	TAC024	-	-	Check Throttle Position Sensor illustrations for correct application
Corolla	AE101	01/91	01/99	1.6L (4A-GE)	DOHC 16V (Petrol)	-	TTH014 TTH025	-	-	-	Check Throttle Position Sensor illustrations for correct application
Corolla	AE102	09/94	12/98	1.8L (7A-FE)	DOHC 16V (Petrol)	TKS050	TTH025	TAC024	-	-	Check illustrations for correct application
Corolla	AE112	01/97	01/02	1.8L (7A-FE)	DOHC 16V (Petrol)	TKS050	TTH025	TAC009 TAC024	-	-	Check illustrations for correct application
Corolla	NZE120	08/00	10/06	1.3L (2NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Corolla	NZE121	08/00	12/05	1.5L (1NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Corolla	NZE121	12/05	09/06	1.5L (1NZ-FE)	DOHC 16V (Petrol)	TKS009	TTH012	-	TAF002	-	
Corolla	ZZE122	12/01	10/05	1.8L (1ZZ-FE)	DOHC 16V (Petrol)	TKS011	TTH012	TAC036	TAF002	-	
Corolla	ZZE122	10/05	04/07	1.8L (1ZZ-FE)	DOHC 16V (Petrol)	TKS009	TTH012	TAC036	TAF002	-	
Corolla	ZZE123 (Sportivo)	05/03	04/06	1.8L (2ZZ-GE)	DOHC 16V (Petrol)	TKS009	TTH028	-	TAF002	-	
Corolla	NZE141	10/06	01/11	1.5L (1NZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF014	-	
Corolla	ZRE152	05/07	12/08	1.8L (2ZR-FE)	DOHC 16V (Petrol)	-	-	-	TAF014	-	
Corolla	ZRE152	12/08	10/14	1.8L (2ZR-FE)	DOHC 16V (Petrol)	-	-	-	TAF071	-	
Corolla Spacia	NZE121	05/01	12/05	1.5L (1NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Corolla Spacia	NZE121	12/05	06/07	1.5L (1NZ-FE)	DOHC 16V (Petrol)	TKS009	TTH012	-	TAF002	-	
Corolla (Diesel)	NDE150	05/08	10/14	1.4L (1ND-TV)	SOHC 8V (Diesel)	-	-	-	-	TMP135	Check Manifold Absolute Pressure Sensor illustrations for correct application
Corona	RT142	11/84	04/87	2.4L (22R-E)	SOHC 8V (Petrol)	-	TTH037	-	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Toyota cont.											
Corona	ST210	01/96	07/96	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH012	TAC119	-	-	Check Idle Air Control Valve illustrations for correct application
Corona	ST210	07/96	11/97	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH014	TAC119	-	-	Check Idle Air Control Valve illustrations for correct application
Cressida	MX83	08/91	01/93	3.0L (7M-GE)	DOHC 24V (Petrol)	TKS012	-	-	-	-	
Dyna	KDY230, KDY290	01/04	12/04	2.5L (2KD-FTV)	DOHC 16V (Diesel)	-	-	-	TAF052	TMP070	
Dyna	KDY230, KDY290	01/05	01/07	2.5L (2KD-FTV)	DOHC 16V (Diesel)	-	-	-	TAF052	TMP133	
Dyna	XZU304, XZU305, XZU345	12/03	12/06	4.0L (N04C, N04CTF)	OHV 16V (Diesel)	-	-	-	TAF004	-	
Echo	NCP10, NCP12, NCP13	10/99	10/05	1.3L, 1.5L (2NZ-FE, 1NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Estima Emina, Lucida	TCR10, TCR21	01/90	08/91	2.4L (2TZ-FE)	DOHC 16V (Petrol)	-	TTH038	-	-	-	
Estima Emina, Lucida	TCR10, TCR21	08/91	01/94	2.4L (2TZ-FE)	DOHC 16V (Petrol)	TKS008 TKS010	TTH038	-	-	-	Check Knock Sensor illustrations for correct application
Estima Emina, Lucida	TCR10, TCR21	01/94	08/96	2.4L (2TZ-FE)	DOHC 16V (Petrol)	TKS008 TKS010	TTH025	-	-	-	Check Knock Sensor illustrations for correct application
Estima Emina, Lucida	TCR10, TCR21	08/96	01/00	2.4L (2TZ-FE)	DOHC 16V (Petrol)	TKS008 TKS010	TTH012	-	-	-	Check Knock Sensor illustrations for correct application
Estima	ACR30	01/00	05/01	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS012 TKS144	TTH014	TAC019	TAF002	-	Check Knock Sensor illustrations for correct application
Estima	ACR30	05/01	04/03	2.4L (2AZ-FE)	DOHC 16V (Petrol)	-	TTH014	TAC019	TAF002	-	
Estima	ACR30	04/03	12/04	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF002	-	
FJ Cruiser	GSJ15	03/11	10/14	4.0L (1GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF071	-	
Funcargo	NCP20, NCP21, NCP25	01/99	09/05	1.3L, 1.5L (2NZ-FE, 1NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Harrier	MCU10, MCU15	01/98	08/99	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS010	TTH014	TAC037	TAF004	-	
Harrier	MCU10, MCU15	08/99	01/03	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH014	TAC037	TAF004	-	
Harrier	MCU30, MCU35	01/03	01/05	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	-	-	TAF002	-	
Hiace	RCH12, RCH22	10/95	02/05	2.4L (2R-ZE)	SOHC 8V (Petrol)	-	TTH051	-	-	-	
Hiace	RZH	09/98	03/05	2.4L (2R-ZE)	SOHC 8V (Petrol)	-	TTH025	-	-	TMP108	
Hiace	TRH	03/05	10/14	2.7L (2TR-FE)	DOHC 16V (Petrol)	TKS009	-	-	-	-	
Hiace (Diesel)	KDH	03/05	10/06	2.5L (2KD-FTV)	DOHC 16V (Diesel)	-	-	-	-	TMP133	
Hiace (Diesel)	KDH	11/06	08/10	3.0L (1KD-FTV)	DOHC 16V (Diesel)	-	-	-	TAF052	TMP133 TMP136	Check Manifold Absolute Pressure Sensor illustrations for correct application
Hiace (Diesel)	KDH	08/10	10/14	3.0L (1KD-FTV)	DOHC 16V (Diesel)	-	-	-	TAF089	TMP133 TMP136	Check Manifold Absolute Pressure Sensor illustrations for correct application
Highlander	GSU45	05/07	01/08	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
Hilux	VZN130	01/90	01/95	3.0L (3VZ-E)	SOHC 12V (Petrol)	-	TTH038	-	-	-	
Hilux	RZN147	08/97	08/02	2.0L (1RZ-E)	SOHC 8V (Petrol)	-	TTH051	-	-	-	
Hilux	RZN149, RZN154, RZN169, RZN174	11/97	04/05	2.7L (3RZ-FE)	DOHC 16V (Petrol)	TKS102	TTH028	TAC032 TAC038	TAF153	-	Check illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Toyota cont.											
Hilux	VZN167, VZN172	10/02	04/05	3.4L (5VZ-FE)	DOHC 24V (Petrol)	TKS008 TKS010	TTH028	TAC022	TAF004	-	Check Knock Sensor illustrations for correct application
Hilux	TGN16	03/05	10/14	2.7L (2TR-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF002 TAF109	-	Check Air Flow Meter illustrations for correct application
Hilux	GGN15, GGN25	03/05	10/14	4.0L (1GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF002	-	
Hilux (Diesel)	KZN165	11/00	04/05	3.0L (1KZ-TE)	SOHC 8V (Diesel)	-	-	-	-	TMP044	
Hilux (Diesel)	KUN16, KUN26	03/05	10/14	3.0L (1KD-FTV)	DOHC 16V (Diesel)	-	-	-	TAF052	TMP133 TMP136	Check illustrations for correct application
Hilux Surf	RZN185	11/95	01/00	2.7L (3RZ-FE)	DOHC 16V (Petrol)	TKS102	TTH051	-	-	-	
Hilux Surf	RZN180	07/98	08/00	2.7L (3RZ-FE)	DOHC 16V (Petrol)	TKS102	TTH028	-	-	-	
Hilux Surf	VZN180, VZN185	01/95	08/02	3.4L (5VZ-FE)	DOHC 24V (Petrol)	TKS008 TKS010	TTH028	TAC022	TAF004	-	Check Knock Sensor illustrations for correct application
Hilux Surf	GRN215	01/05	01/07	4.0L (1GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF002	-	
Hilux Surf (Diesel)	KZN185	11/95	08/00	3.0L (1KZ-TE)	SOHC 8V (Diesel)	-	-	-	-	TMP044	
IQ	KGJ10	11/08	01/09	1.0L (1KR-FE)	DOHC 12V (Petrol)	TKS009	-	-	-	TMP087	
Kluger	ACU20, ACU25	11/00	04/01	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS012 TKS144	TTH014	TAC019	TAF002	-	Check Knock Sensor illustrations for correct application
Kluger	ACU20, ACU25	04/01	08/03	2.4L (2AZ-FE)	DOHC 16V (Petrol)	-	TTH014	TAC019	TAF002	-	
Kluger	ACU20, ACU25	08/03	01/04	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF002	-	
Kluger	MCU28	10/03	07/07	3.3L (3MZ-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF004	-	
Kluger	GSU40, GSU45	08/07	10/14	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
Landcruiser	FZJ75, FZJ80	11/92	07/99	4.5L (1FZ-FE)	DOHC 24V (Petrol)	-	TTH025	TAC033	-	-	Check Idle Air Control Valve illustrations for correct application
Landcruiser	FZJ75, FZJ80	07/99	11/99	4.5L (1FZ-FE)	DOHC 24V (Petrol)	TKS137	TTH025	TAC033	-	-	Check Idle Air Control Valve illustrations for correct application
Landcruiser	FZJ78, FZJ79	11/99	02/07	4.5L (1FZ-FE)	DOHC 24V (Petrol)	TKS137	TTH012	TAC088	-	-	
Landcruiser	FZJ105	03/98	07/99	4.5L (1FZ-FE)	DOHC 24V (Petrol)	-	TTH012	TAC088	-	-	
Landcruiser	FZJ105	07/99	10/02	4.5L (1FZ-FE)	DOHC 24V (Petrol)	TKS137	TTH012	TAC088	-	-	
Landcruiser	UZJ100	06/98	10/00	4.7L (2UZ-FE)	DOHC 32V (Petrol)	-	TTH076	-	TAF153	-	
Landcruiser	UZJ100	10/02	10/07	4.7L (2UZ-FE)	DOHC 32V (Petrol)	-	-	-	TAF153	-	
Landcruiser	UZJ200	11/07	10/14	4.7L (2UZ-FE)	DOHC 32V (Petrol)	TKS009	-	-	-	-	
Landcruiser (Diesel)	HZJ71, HZJ78, HZJ79, HZJ105	03/98	02/07	4.2L (1HZ)	SOHC 12V (Diesel)	-	-	-	-	TMP044	
Landcruiser (Diesel)	HDJ100, HDJ101	01/98	08/01	4.2L (1HD-FTE)	SOHC 24V (Diesel)	-	-	-	-	TMP099	
Landcruiser (Diesel)	HDJ100, HDJ101	08/01	10/07	4.2L (1HD-FTE)	SOHC 24V (Diesel)	-	-	-	-	TMP070	
Landcruiser (Diesel)	HDJ78, HDJ79	11/01	06/07	4.2L (1HD-FTE)	SOHC 24V (Diesel)	-	-	-	-	TMP070	
Landcruiser (Diesel)	VDJ76, VDJ78, VDJ79, VDJ200	03/07	10/14	4.5L (1VD-FTV)	DOHC 32V (Diesel)	-	-	-	TAF156	TMP135	
Lexcen	VN - VR	09/89	04/95	3.8L (VH)	OHV 12V (Petrol)	TKS092	TTH001	TAC053	-	-	
Lexcen	VS	05/95	04/97	3.8L (LG2 VH)	OHV 12V (Petrol)	TKS091	TTH001	TAC053	-	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Toyota cont.											
Lite-Ace	SR40	01/96	01/00	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH014	TAC119	-	-	
MR2	AW11	10/87	12/89	1.6L (4A-GE)	DOHC 16V (Petrol)	-	TTH038	-	-	-	Check Throttle Position Sensor illustrations for correct application
MR2	SW20	01/90	08/91	2.0L (3S-GE)	DOHC 16V (Petrol)	TKS087	TTH015 TTH025 TTH038	-	-	-	Check Throttle Position Sensor illustrations for correct application
MR2	SW20	08/91	11/93	2.0L (3S-GE)	DOHC 16V (Petrol)	TKS102	TTH015 TTH025 TTH038	-	-	-	Check Throttle Position Sensor illustrations for correct application
MR2	SW20	11/93	09/00	2.0L (3S-GE)	DOHC 16V (Petrol)	-	TTH015 TTH025 TTH038	-	-	-	Check Throttle Position Sensor illustrations for correct application
MR2	SW20 (Turbo)	01/89	01/94	2.0L (3S-GTE)	DOHC 16V (Petrol)	-	TTH015 TTH025 TTH038	-	-	-	Check Throttle Position Sensor illustrations for correct application
MR2	ZZW30	10/00	03/06	1.8L (1ZZ-FE)	DOHC 16V (Petrol)	TKS011	TTH012 TTH033	-	TAF002	-	Check Throttle Position Sensor illustrations for correct application
Paseo	EL44	07/91	12/95	1.5L (5E-FE)	DOHC 16V (Petrol)	-	TTH012 TTH025	-	-	-	Check Throttle Position Sensor illustrations for correct application
Paseo	EL54	12/95	07/99	1.5L (5E-FE)	DOHC 16V (Petrol)	TKS007	TTH025	-	-	TMP078	Check illustrations for correct application
Paseo	EL54	08/96	12/97	1.5L (5E-FE)	DOHC 16V (Petrol)	TKS007	TTH012	TAC023	-	TMP078	Check illustrations for correct application
Paseo	EL54	12/97	07/99	1.5L (5E-FE)	DOHC 16V (Petrol)	TKS007	TTH012	-	-	TMP078	Check illustrations for correct application
Platz	NCP12	08/99	01/05	1.5L (1NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Prado	RZJ95	07/96	02/03	2.7L (3RZ-FE)	DOHC 16V (Petrol)	TKS102	TTH028 TTH051	TAC032 TAC038	TAF139	-	Check illustrations for correct application
Prado	VZJ95	07/96	02/03	3.4L (5VZ-FE)	DOHC 24V (Petrol)	TKS008 TKS010	TTH028	TAC022	TAF004	-	Check Knock Sensor illustrations for correct application
Prado	RZJ120	02/03	09/04	2.7L (3RZ-FE)	DOHC 16V (Petrol)	-	TTH028	TAC038	-	-	
Prado	TRJ120	08/04	08/09	2.7L (2TR-FE)	DOHC 16V (Petrol)	TKS009	-	-	-	-	
Prado	GRJ120	02/03	10/09	4.0L (1GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF002	-	
Prado	GRJ150	11/09	10/14	4.0L (1GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF071	-	
Prado (Diesel)	KZJ90, KZJ95	01/96	08/00	3.0L (1KZ-TE)	SOHC 8V (Diesel)	-	TTH025	-	-	TMP044	
Prado (Diesel)	KZJ90, KZJ95	08/00	02/03	3.0L (1KZ-TE)	SOHC 8V (Diesel)	-	-	-	-	TMP044	
Prado (Diesel)	KDJ90, KDJ95	01/00	01/02	3.0L (1KD-FTV)	DOHC 16V (Diesel)	-	-	-	TAF052	TMP070	
Prado (Diesel)	KZJ120	02/03	02/07	3.0L (1KZ-TE)	SOHC 8V (Diesel)	-	-	-	-	TMP044	
Prado (Diesel)	KDJ150, KDJ155	11/09	10/14	3.0L (1KD-FTV)	DOHC 16V (Diesel)	-	-	-	TAF089	TMP135 TMP136	Check Manifold Absolute Pressure Sensor illustrations for correct application
Previa	ACR30	01/00	05/01	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS012 TKS144	TTH014	TAC019	TAF002	-	Check Knock Sensor illustrations for correct application
Previa	ACR30	05/01	04/03	2.4L (2AZ-FE)	DOHC 16V (Petrol)	-	TTH014	TAC019	TAF002	-	
Previa	ACR30	04/03	01/06	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	TTH014	TAC019	TAF002	-	
Previa	ACR50	01/06	01/11	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF014	-	
Prius	NHW11	10/01	10/03	1.5L (1NZ-FXE)	DOHC 16V (Hybrid)	-	TTH033	-	TAF004	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Toyota cont.											
Prius	NHW20	10/03	06/09	1.5L (1NZ-FXE)	DOHC 16V (Hybrid)	TKS009	-	-	TAF002	-	
Prius	ZVW30	07/09	10/09	1.8L (2ZR-FXE)	DOHC 16V (Hybrid)	TKS009	-	-	TAF071	TMP087	
Prius	ZVW30	11/09	10/14	1.8L (2ZR-FXE)	DOHC 16V (Hybrid)	TKS009	-	-	TAF071	-	
RAV4	SXA10, SXA11	05/94	06/00	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH012 TTH025	TAC118 TAC119 TAC120	-	TMP078	Check illustrations for correct application
RAV4	SXA15, SXA16	01/97	09/97	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH025	TAC008 TAC026	-	TMP078	Check Idle Air Control Valve illustrations for correct application
RAV4	SXA15, SXA16	09/97	01/00	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH012	TAC008 TAC026	-	TMP078	Check Idle Air Control Valve illustrations for correct application
RAV4	ZCA25, ZCA26	01/00	01/03	1.8L (1ZZ-FE)	DOHC 16V (Petrol)	TKS011	TTH012	TAC036	TAF002	-	
RAV4	ACA20, ACA21	07/00	04/01	2.0L (1AZ-FE)	DOHC 16V (Petrol)	TKS011 TKS012 TKS144	TTH012 TTH014	TAC019	TAF002	-	Check illustrations for correct application
RAV4	ACA20, ACA21	04/01	08/03	2.0L (1AZ-FE)	DOHC 16V (Petrol)	TKS009 TKS011	TTH012 TTH014	TAC019	TAF002	-	Check illustrations for correct application
RAV4	ACA22, ACA23	09/03	02/06	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF002	-	
RAV4	ACA33, ACA38	02/06	01/13	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF014	-	
RAV4	GSA33	10/07	10/14	3.5L (2GR-FE)	DOHC 24V (Petrol)	TKS009	-	-	TAF014	-	
Rukus	AZE151	05/10	10/14	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF014	-	
Soarer	UZZ40	04/01	08/05	4.3L (3UZ-FE)	DOHC 32V (Petrol)	TKS144	TTH033	-	-	-	
Soarer	UZZ40	08/05	12/06	4.3L (3UZ-FE)	DOHC 32V (Petrol)	TKS009	-	-	-	-	
Spacia	SR40	01/97	12/01	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH014	TAC119	-	-	
Starlet	EP91	01/96	10/99	1.3L (4E-FE)	DOHC 16V (Petrol)	-	TTH012	TAC023	-	-	
Supra	MA70	03/86	09/88	3.0L (7M-GE)	DOHC 24V (Petrol)	-	TTH037	-	-	-	
Supra	MA70 (GT - turbo)	10/88	04/93	3.0L (7M-GTE)	DOHC 24V (Petrol)	TKS012	TTH037	-	-	-	
Tarago	YR22, YR31	10/85	10/90	2.2L (4Y-EC)	SOHC 8V (Petrol)	-	TTH050	-	-	-	
Tarago	TCR10, TCR11	09/90	12/00	2.4L (2TZ-FE)	DOHC 16V (Petrol)	TKS008 TKS087	TTH025	-	-	-	Check illustrations for correct application
Tarago	TCR20, TCR21	09/90	10/93	2.4L (2TZ-FE)	DOHC 16V (Petrol)	TKS008 TKS087	TTH012	-	-	-	Check Knock Sensor illustrations for correct application
Tarago	ACR30	06/00	05/01	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS012 TKS144	TTH014	TAC019	TAF002	-	Check illustrations for correct application
Tarago	ACR30	05/01	04/03	2.4L (2AZ-FE)	DOHC 16V (Petrol)	-	TTH014	TAC019	TAF002	-	
Tarago	ACR30	04/03	02/06	2.4L (2AZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF002	-	
Tarago	ACR50, ACR55, GSR50, GSR55	03/06	10/14	2.4L, 3.5L (2AZ-FE, 2GR-FE)	DOHC (Petrol)	TKS009	-	-	TAF014	-	
Townace	SR40	01/96	01/00	2.0L (3S-FE)	DOHC 16V (Petrol)	TKS012	TTH014	TAC119	-	-	
Townace	KR42	12/98	04/04	1.8L (7K-E)	OHV 8V (Petrol)	-	TTH014 TTH089	TAC041 TAC089	-	-	Check illustrations for correct application
Vitz	SCP10	01/99	01/05	1.0L (1SZ-FE)	DOHC 16V (Petrol)	-	-	-	TAF002	-	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Toyota cont.											
Vitz	NCP10	01/99	12/02	1.3L (2NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Vitz	NCP13	10/00	01/05	1.5L (1NZ-FE)	DOHC 16V (Petrol)	-	TTH012	-	TAF002	-	
Vitz	KSP90	02/05	01/11	1.0L (1KR-FE)	DOHC 12V (Petrol)	-	-	-	-	TMP087	
Vitz	SCP90	01/05	11/08	1.3L (2SZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF109	-	
Vitz	SCP90	11/08	01/11	1.3L (2SZ-FE)	DOHC 16V (Petrol)	-	-	-	TAF109	-	
Windom	VCV10	01/91	01/96	3.0L (3VZ-FE)	DOHC 24V (Petrol)	TKS012	TTH052	TAC020	-	-	
Windom	MCV20	08/96	08/99	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS010	TTH014	TAC018	-	-	
Windom	MCV20	08/99	07/01	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH014	TAC018	-	-	
Windom	MCV30	08/01	02/06	3.0L (1MZ-FE)	DOHC 24V (Petrol)	TKS008	TTH033	-	TAF002	-	
Wish	ZNE10	12/05	01/07	1.8L (1ZZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	-	-	
Wish	ANE11, ANE10	01/03	01/05	2.0L (1AZ-FSE)	DOHC 16V (Petrol)	TKS009	-	-	TAF004	-	
Yaris	NCP90 - NCP95	10/05	10/11	1.3L, 1.5L (2NZ-FE, 1NZ-FE)	DOHC 16V (Petrol)	TKS009	-	-	TAF002	-	
Volkswagen											
Amarok	2H (2.0)	02/11	10/14	2.0L (CFPA)	DOHC 16V (Petrol)	TKS038	-	-	TAF009	TMP011	
Amarok	2H (2.0 TDi)	02/11	10/14	2.0L (CDBA, CDCA)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP011	
Beetle	9C (1.6)	01/01	11/11	1.6L (AYD, BFS)	SOHC 8V (Petrol)	TKS036	-	-	TAF025	-	Check Air Flow Meter illustrations for correct application
Beetle	9C (1.8)	09/01	09/05	1.8L (AWU)	DOHC 20V (Petrol)	TKS036	-	-	TAF099	TMP006	
Beetle	9C (1.9 TDi)	10/05	10/11	1.9L (BSW)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Beetle	9C (2.0)	01/00	11/05	2.0L (AQY)	SOHC 8V (Petrol)	TKS036 TKS037	-	-	TAF037	-	Check Knock Sensor illustrations for correct application
Beetle	9C, 1Y (2.0)	05/03	01/11	2.0L (AZJ)	SOHC 8V (Petrol)	TKS036	-	-	TAF029	TMP006	
Beetle	9C (2.0)	12/03	09/05	2.0L (BER)	SOHC 8V (Petrol)	-	-	-	TAF029	TMP011	
Bora	1J (1.6)	01/98	01/02	1.6L (AEH)	SOHC 8V (Petrol)	TKS081	-	-	TAF025	-	
Bora	1J (2.0)	11/99	09/05	2.0L (APK)	SOHC 8V (Petrol)	TKS036	-	-	TAF037	-	
Bora	1J (2.0)	01/03	01/04	2.0L (AZJ)	SOHC 8V (Petrol)	TKS036	-	-	TAF029	-	
Bora	1J (2.3)	11/99	05/01	2.3L (AGZ)	DOHC 20V (Petrol)	TKS036	-	-	TAF100	-	
Bora	1J (2.3)	06/01	01/06	2.3L (AQN)	DOHC 20V (Petrol)	TKS036	-	-	TAF041	-	Check Knock Sensor illustrations for correct application
Bora	1J (2.8)	01/01	01/04	2.8L (AUE, BDE)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF041	-	Check Knock Sensor illustrations for correct application
Caddy	2K (1.2)	12/10	10/14	1.2L (CBZA, CBZB)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP058	
Caddy	2K (1.6)	01/04	11/10	1.6L (BGU, BSE)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP028	
Caddy	2K (1.6 TDi)	12/10	10/14	1.6L (CAYD)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Caddy	2K (1.9 TDi)	01/04	11/10	1.9L (BJB, BLS)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Caddy	2K (2.0 TDi)	12/10	10/14	2.0L (CFHC)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Caravelle	IV (2.5)	01/93	12/96	2.5L (AAF)	SOHC 10V (Petrol)	-	-	TAC047	-	-	
Caravelle	IV (2.5)	10/97	03/03	2.5L (AET)	SOHC 10V (Petrol)	TKS054 TKS075	-	-	-	-	

Make and Model	Year		Engine		Part Number					Notes	
	Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Volkswagen cont.											
Caravelle	IV (2.5 TDi)	09/00	06/05	2.5L (ACV, AUF)	SOHC 10V (Diesel)	-	-	-	TAF036 TAF048	TMP005 TMP006	Check illustrations for correct application
Caravelle	V (2.5 TDi)	08/04	07/06	2.5L (AXE)	SOHC 10V (Diesel)	-	-	-	TAF007	TMP002	
Caravelle	V (2.5 TDi)	07/06	02/10	2.5L (BNZ, BPC)	SOHC 10V (Diesel)	-	-	-	TAF005	TMP002	
Caravelle	V (2.8 V6)	01/02	06/05	2.8L (AMV)	DOHC 24V (Petrol)	TKS083	-	-	TAF041	-	
Citivan	V (2.0)	07/06	05/10	2.0L (AXA)	SOHC 8V (Petrol)	TKS036 TKS100	-	-	TAF029	-	Check Knock Sensor illustrations for correct application
Citivan	V (1.9 TDi)	07/06	05/10	1.9L (BRR)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Crafter	2E, 2F (2.5 TDi)	03/07	01/12	2.5L (BJK, B JL, BJM, CEC)	SOHC 10V (Diesel)	-	-	-	TAF062	TMP001 TMP002	Check Manifold Absolute Pressure Sensor illustrations for correct application
EOS	1F (2.0)	03/07	07/08	2.0L (BWA)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP004	Check Knock Sensor illustrations for correct application
EOS	1F (2.0)	08/08	04/10	2.0L (CAWB)	DOHC 16V (Petrol)	TKS038	-	-	TAF017	TMP004	
EOS	1F (2.0)	08/08	10/14	2.0L (CCZA, CCZB)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	
EOS	1F (2.0 TDi)	03/07	07/08	2.0L (BMM)	SOHC 8V (Diesel)	-	-	-	TAF007	TMP002	
EOS	1F (2.0 TDi)	08/08	04/11	2.0L (CBAB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
EOS	1F (2.0 TDi)	05/11	10/14	2.0L (CFFB)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
EOS	1F (3.2)	01/07	01/09	3.2L (BUB)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	
Golf	II (1.8)	09/90	01/92	1.8L (RV)	SOHC 8V (Petrol)	TKS043	-	TAC047	-	-	Check Idle Air Control Valve illustrations for correct application
Golf	III (1.6)	01/97	01/01	1.6L (AEE)	SOHC 8V (Petrol)	TKS037	-	-	-	TMP035	
Golf	III (2.0)	01/92	01/96	2.0L (2E)	SOHC 8V (Petrol)	TKS054	-	TAC047	-	-	
Golf	III (2.0)	07/94	12/98	2.0L (ADY)	SOHC 8V (Petrol)	-	-	TAC047	-	-	
Golf	III (2.0 GTi)	01/95	01/98	2.0L (ABF)	DOHC 16V (Petrol)	TKS054	-	-	-	-	
Golf	III (2.0)	07/96	01/99	2.0L (AGG)	SOHC 8V (Petrol)	TKS054	-	-	TAF049	-	
Golf	III (2.8 VR6)	03/94	12/98	2.8L (AAA)	SOHC 12V (Petrol)	TKS054	-	-	-	-	
Golf	IV (1.6)	01/98	01/02	1.6L (AEH, AKL)	SOHC 8V (Petrol)	TKS074 TKS081	-	-	TAF025	-	Check Knock Sensor illustrations for correct application
Golf	IV (1.6)	01/01	01/03	1.6L (AVU)	SOHC 8V (Petrol)	TKS100	-	-	TAF025	-	
Golf	IV (1.6)	01/02	01/04	1.6L (BCB)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP035	
Golf	IV (1.6)	03/02	07/04	1.6L (BFQ)	SOHC 8V (Petrol)	TKS036	-	-	TAF025	-	
Golf	IV (1.8)	01/98	01/01	1.8L (AGN)	DOHC 20V (Petrol)	TKS074 TKS081 TKS100 TKS104	-	-	TAF037	-	Check Knock Sensor illustrations for correct application
Golf	IV (1.8)	04/99	12/02	1.8L (AGU)	DOHC 20V (Petrol)	TKS074 TKS081 TKS100 TKS104	-	-	TAF046	TMP006	Check Knock Sensor illustrations for correct application
Golf	IV (1.8)	12/02	07/04	1.8L (AGU)	DOHC 20V (Petrol)	TKS073	-	-	TAF046	TMP005 TMP006	TMP006 to VIN no. 1J-3-525 000, TMP005 from VIN no. 1J-3-525 001
Golf	IV (1.8)	01/01	01/03	1.8L (AUM)	DOHC 20V (Petrol)	TKS036	-	-	TAF018	TMP006	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Volkswagen cont.											
Golf	IV (1.9 TDi)	01/97	01/04	1.9L (AHF)	SOHC 8V (Diesel)	-	-	-	-	TMP005 TMP006	Check Manifold Absolute Pressure Sensor illustrations for correct application
Golf	IV (1.9 TDi)	01/02	01/03	1.9L (ATD)	SOHC 8V (Diesel)	-	-	-	-	TMP006	
Golf	IV (2.0)	01/99	01/00	2.0L (ADY)	SOHC 8V (Petrol)	TKS054	-	-	-	-	
Golf	IV (2.0)	01/99	07/04	2.0L (APK)	SOHC 8V (Petrol)	TKS036	-	-	TAF037	-	
Golf	IV (2.0)	01/03	01/04	2.0L (AZJ)	SOHC 8V (Petrol)	TKS036	-	-	TAF029	-	
Golf	IV (2.3)	01/01	01/05	2.3L (AQN)	DOHC 20V (Petrol)	TKS036	-	-	TAF041	-	Check Knock Sensor illustrations for correct application
Golf	IV (2.8 V6)	01/01	01/04	2.8L (AUE, BDE)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF041	-	Check Knock Sensor illustrations for correct application
Golf	IV (R32)	01/03	01/04	3.2L (BFH)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check Knock Sensor illustrations for correct application
Golf	V (1.4)	01/04	09/09	1.4L (BLG, BMY)	DOHC 16V (Petrol)	TKS036	TTH013	-	-	TMP002 TMP018	Check Manifold Absolute Pressure Sensor illustrations for correct application
Golf	V (1.6)	01/04	01/07	1.6L (BAG, BLF, BLP)	DOHC 16V (Petrol)	TKS036	TTH013	-	-	TMP011	
Golf	V (1.6)	01/04	02/09	1.6L (BGU, BSE)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP028	
Golf	V (1.9 TDi)	08/04	02/09	1.9L (BKC, BLS, BXE)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Golf	V (2.0)	01/04	01/07	2.0L (AXW, BLR, BLX)	DOHC 16V (Petrol)	TKS036 TKS040	-	-	-	-	
Golf	V (2.0)	01/05	09/09	2.0L (AXX, BWA)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP004	
Golf	V (2.0)	01/08	01/09	2.0L (BYD)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP002	
Golf	V (2.0 TDi)	08/04	02/09	2.0L (BKD)	DOHC 16V (Diesel)	-	-	-	TAF008	TMP002 TMP005	Check Manifold Absolute Pressure Sensor illustrations for correct application
Golf	V (2.0 TDi)	01/04	09/09	2.0L (BMM, BMN)	(Diesel)	-	-	-	TAF007	TMP002	
Golf	V (R32)	07/06	03/10	3.2L (BUB)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check Knock Sensor illustrations for correct application
Golf	VI (1.2)	10/10	10/14	1.2L (CBZB)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP058	
Golf	VI (1.4)	03/09	08/12	1.4L (CAVD)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP018	
Golf	VI (1.4)	02/10	10/14	1.4L (CAXA)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP005	
Golf	VI (1.6 TDi)	08/09	10/14	1.6L (CAYC)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP002	
Golf	VI (2.0)	10/09	01/13	2.0L (CCZB)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	
Golf	VI (2.0 TDi)	03/09	09/10	2.0L (CBAB, CBBB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
Golf	VI (2.0 TDi)	02/10	10/14	2.0L (CFFB, CFGB, CFHC)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Jetta	1K (1.4)	01/04	01/07	1.4L (BMY)	DOHC 16V (Petrol)	TKS036	TTH013	-	-	TMP002	
Jetta	1K (1.4)	01/09	08/12	1.4L (CAVD)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP002	
Jetta	1K (1.6 TDi)	11/09	07/11	1.6L (CAYC)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP002	
Jetta	1K (1.9 TDi)	01/06	01/07	1.9L (BLS, BXE)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	

Make and Model		Year		Engine		Part Number					Notes	
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Volkswagen cont.												
Jetta	1K (2.0)	01/05	10/09	2.0L (BWA)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP004	Check Knock Sensor illustrations for correct application	
Jetta	1K (2.0)	02/06	01/09	2.0L (BLR)	DOHC 16V (Petrol)	TKS036	-	-	-	-		
Jetta	1K (2.0)	02/06	01/09	2.0L (BVG)	DOHC 16V (Petrol)	TKS036 TKS040	-	-	-	TMP028	Check Knock Sensor illustrations for correct application	
Jetta	1K (2.0)	11/09	07/11	2.0L (CAWB)	DOHC 16V (Petrol)	TKS038	-	-	TAF017	TMP004		
Jetta	1K (2.0)	08/11	10/14	2.0L (CCZA)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004		
Jetta	1K (2.0 TDi)	01/05	01/09	2.0L (BKD)	DOHC 16V (Diesel)	-	-	-	TAF007	TMP002		
Jetta	1K (2.0 TDi)	02/09	07/11	2.0L (CBDB, CEGA)	DOHC 16V (Diesel)	TKS036	-	-	TAF005	TMP002		
Jetta	1K (2.0 TDi)	08/11	10/14	2.0L (CFFB)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018		
Kombi	IV (2.5)	05/03	01/04	2.5L (AET)	SOHC 10V (Petrol)	TKS054 TKS075	-	-	-	-	Check Knock Sensor illustrations for correct application	
Kombi	V (1.9 TDi)	07/06	04/09	1.9L (AXB)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005		
Kombi	V (2.5 TDi)	07/06	04/09	2.5L (BNZ)	SOHC 10V (Diesel)	-	-	-	TAF005	TMP002		
LT 35		03/03	07/06	2.5L (AVR, BBF)	SOHC (Diesel)	-	-	-	TAF036	TMP005		
LT 35		08/04	03/07	2.8L (AUH)	SOHC 12V (Diesel)	-	-	-	TAF007	TMP005 TMP006	Check Manifold Absolute Pressure Sensor illustrations for correct application	
LT 45	2D (2.8 TDi)	03/03	12/06	2.8L (AUH)	SOHC 12V (Diesel)	-	-	-	TAF007	TMP005 TMP006	Check Manifold Absolute Pressure Sensor illustrations for correct application	
LT 46	2D (2.5 TDi)	03/03	07/06	2.5L (ANJ, AVR)	SOHC 10V (Diesel)	-	-	-	TAF036 TAF048	TMP005 TMP006	Check illustrations for correct application	
LT 46	2D (2.8 TDi)	08/04	02/07	2.8L (AUH)	SOHC 12V (Diesel)	-	-	-	TAF007	TMP005 TMP006		
Lupo	6X (1.4)	01/99	01/05	1.4L (AHW, AUA, BBY)	DOHC 16V (Petrol)	TKS037	-	-	-	TMP035		
Multivan	V (2.0 TDi)	03/10	10/14	2.0L (CCHA)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP011 TMP018	Check Manifold Absolute Pressure Sensor illustrations for correct application	
Multivan	V (2.0 TDi)	03/10	10/14	2.0L (CFCA)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP011		
Multivan	V (2.0)	09/11	10/14	2.0L (CJKA)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	-		
Multivan	V (2.5 TDi)	04/05	02/10	2.5L (AXE)	SOHC 10V (Diesel)	-	-	-	TAF007	TMP002		
Multivan	V (2.5 TDi)	01/08	12/08	2.5L (BPC)	SOHC 10V (Diesel)	-	-	-	TAF005	TMP002		
Multivan	V (3.2 V6)	03/05	08/08	3.2L (BKK)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check Knock Sensor illustrations for correct application	
Passat	3A (2.0)	01/95	12/96	2.0L (ADY)	SOHC 8V (Petrol)	TKS054	-	-	TAF049	-		
Passat	3A VR6 (2.8 V6)	08/95	12/96	2.8L (AAA)	SOHC 12V (Petrol)	TKS054	-	-	-	-		
Passat	3B (1.8)	01/97	12/00	1.8L (AEB)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF046 TAF076	-	Check illustrations for correct application	
Passat	3B (1.8)	01/98	06/00	1.8L (APT)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF086	-	Check Knock Sensor illustrations for correct application	
Passat	3B (1.8)	03/98	06/00	1.8L (ADR)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF053 TAF086	-	Check illustrations for correct application	
Passat	3B (1.8)	01/99	03/01	1.8L (APU)	DOHC 20V (Petrol)	TKS042 TKS043	-	-	TAF018 TAF098	TMP006	Check illustrations for correct application	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Volkswagen cont.											
Passat	3B (1.8)	05/01	10/02	1.8L (AWT)	DOHC 20V (Petrol)	TKS039 TKS059	-	-	TAF018 TAF099	TMP004	Check illustrations for correct application
Passat	3B (1.9 TDi)	01/02	01/03	1.9L (AVF)	SOHC 8V (Diesel)	-	-	-	TAF041 TAF100	TMP002	Check Air Flow Meter illustrations for correct application
Passat	3B (2.0)	01/03	01/05	2.0L (AZM)	SOHC 8V (Petrol)	TKS059	-	-	TAF025	-	Check Knock Sensor illustrations for correct application
Passat	3B (2.3)	01/99	01/03	2.3L (AGZ)	DOHC 20V (Petrol)	TKS042	-	-	TAF100	-	Check Knock Sensor illustrations for correct application
Passat	3B (2.3)	01/01	11/05	2.3L (AZX)	DOHC 20V (Petrol)	-	-	-	TAF041	-	
Passat	3B (2.5 V6)	01/01	01/03	2.5L (AKN)	DOHC 24V (Diesel)	-	-	-	-	TMP006	
Passat	3B VR6 (2.8 V6)	01/98	11/00	2.8L (ACK)	DOHC 30V (Petrol)	TKS042	-	-	TAF042	-	Check Air Flow Meter illustrations for correct application
Passat	3B (2.8 V6)	03/99	11/00	2.8L (APR)	DOHC 30V (Petrol)	TKS042 TKS093	-	-	TAF042	-	TKS042 to VIN no. 3B-X-600 000, TKS093 from VIN no. 3B-Y-600 001
Passat	3B (2.8 V6)	05/01	02/06	2.8L (AMX, BBG)	DOHC 30V (Petrol)	TKS093	-	-	TAF030	-	
Passat	3B (4.0 W8)	01/02	07/04	4.0L (BDN)	DOHC 32V (Petrol)	-	-	-	TAF019	-	
Passat	3C (1.8)	02/10	10/14	1.8L (CDA A)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	
Passat	3C (1.9 TDi)	01/08	10/14	1.9L (BLS)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Passat	3C (2.0)	03/06	07/08	2.0L (BWA)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP004	Check Knock Sensor illustrations for correct application
Passat	3C (2.0)	08/08	01/10	2.0L (CAWB)	DOHC 16V (Petrol)	TKS038	-	-	TAF017	TMP004	
Passat	3C (2.0 TDi)	03/06	07/08	2.0L (BKP, BMP)	DOHC 16V (Diesel)	-	-	-	TAF007	TMP002	
Passat	3C (2.0 TDi)	08/07	07/08	2.0L (BMR)	DOHC 16V (Diesel)	-	-	-	-	TMP002	
Passat	3C (2.0 TDi)	08/08	06/12	2.0L (CBAB, (CBBB))	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
Passat	3C (2.0 TDi)	02/10	10/14	2.0L (CFF, CFG B)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Passat	3C (3.2 V6)	03/06	03/11	3.2L (AXZ)	DOHC 24V (Petrol)	TKS036 TKS076	-	-	-	-	Check Knock Sensor illustrations for correct application
Passat	3C R36 (3.6 V6)	06/08	10/14	3.6L (BWS)	DOHC 24V (Petrol)	TKS036 TKS076	-	-	-	-	Check Knock Sensor illustrations for correct application
Passat CC	3C (3.6 V6)	02/09	06/12	3.6L (BWS)	DOHC 24V (Petrol)	TKS036 TKS076	-	-	-	-	Check Knock Sensor illustrations for correct application
Phaeton	3.0 V6	01/06	01/08	3.0L (BMK)	DOHC 24V (Diesel)	-	-	-	TAF021	TMP002	
Phaeton	4.9 V10	01/04	01/07	4.9L (AJS)	DOHC 40V (Diesel)	-	-	-	TAF007	TMP002	
Polo	6N (1.4)	01/96	01/98	1.4L (AEX)	SOHC 8V (Petrol)	TKS037	-	-	-	-	
Polo	6N (1.4)	09/00	12/01	1.4L (AHW)	DOHC 16V (Petrol)	TKS037	-	-	-	TMP035	
Polo	6N (1.6)	01/96	01/02	1.6L (AEE, AHS, ARC, ARC)	(Petrol)	TKS037	-	-	-	TMP035	
Polo	9N (1.4)	07/02	07/06	1.4L (BBY)	DOHC 16V (Petrol)	TKS036	-	-	-	-	
Polo	9N (1.4)	11/05	07/07	1.4L (BBZ)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP035	
Polo	9N (1.4)	09/03	04/10	1.4L (BKY, BUD)	16V (Petrol)	TKS036	-	-	-	TMP011	
Polo	9N (1.4 TDi)	01/06	01/08	1.4L (BMS, BNV)	SOHC 6V (Diesel)	-	-	-	TAF008	TMP005	
Polo	9N (1.6)	01/06	04/10	1.6L (BTS)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP011	

Make and Model	Year		Engine		Part Number					Notes	
	Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Volkswagen cont.											
Polo	9N (1.6)	10/08	10/14	1.6L (BLM)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP035	
Polo	9N (1.8)	11/05	08/10	1.8L (BJX)	SOHC 8V (Petrol)	TKS036	-	-	TAF018	TMP005	
Polo	9N (1.9 TDi)	10/05	04/10	1.9L (AXR)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Polo	6R (1.2)	05/10	10/14	1.2L (CBZB)	SOHC 8V (Petrol)	TKS036	-	-	-	TMP058	
Polo	6R GTi (1.4)	11/10	07/12	1.4L (CAVE)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP018	
Polo	6R (1.4)	01/09	10/14	1.4L (CGGB)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP011	
Polo	6R (1.6 TDi)	05/10	11/10	1.6L (CAYB)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP002	
Polo	6R (1.6 TDi)	11/10	10/14	1.6L (CAYB)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Scirocco	13 (1.4)	01/09	01/10	1.4L (CAVD)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP018	
Scirocco	13 (2.0)	01/09	01/10	2.0L (CAWB)	DOHC 16V (Petrol)	TKS038	-	-	TAF017	TMP004	
Scirocco	13 (2.0)	01/10	10/14	2.0L (CCZB)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	
Scirocco	13 R (2.0)	01/10	10/14	2.0L (CDLC)	DOHC 16V (Petrol)	TKS038 TKS041	-	-	TAF011	TMP002	Check Knock Sensor illustrations for correct application
Sharan	2.8 V6	01/01	01/04	2.8L (AYL)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF041	-	Check Knock Sensor illustrations for correct application
Tiguan	5N (1.4)	10/11	10/14	1.4L (CAVD)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP018	
Tiguan	5N (2.0)	05/08	08/10	2.0L (CAWA, CAWB)	DOHC 16V (Petrol)	TKS038	-	-	TAF017	TMP004	
Tiguan	5N (2.0)	09/10	10/14	2.0L (CCZA, CCZB, CCZD)	DOHC 16V (Petrol)	TKS038	-	-	TAF148	TMP004	Check Manifold Absolute Pressure Sensor illustrations for correct application
Tiguan	5N (2.0 TDi)	05/08	08/10	2.0L (CBAB)	DOHC 16V (Diesel)	-	-	-	TAF005	TMP002	
Tiguan	5N (2.0 TDi)	09/10	10/14	2.0L (CFFB)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP018	
Touareg	7L R5 (2.5 TDi)	10/04	10/06	2.5L (BAC)	SOHC 20V (Diesel)	-	-	-	TAF007	TMP002	
Touareg	7L R5 (2.5 TDi)	11/06	11/09	2.5L (BPE)	SOHC 20V (Diesel)	-	-	-	TAF005	TMP002	
Touareg	7L (3.0 TDi V6)	11/06	06/11	3.0L (BKS, CASA)	DOHC 24V (Diesel)	-	-	-	TAF021 TAF149	TMP002	Check Air Flow Meter illustrations for correct application
Touareg	7L (3.2L V6)	01/03	10/06	3.2L (AZZ, BKJ, BMV)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check Knock Sensor illustrations for correct application
Touareg	7L (3.6 V6)	11/06	08/10	3.6L (BHK)	DOHC 24V (Petrol)	TKS036	-	-	-	-	
Touareg	7L (4.2 V8)	09/03	10/06	4.2L (AXQ)	DOHC 40V (Petrol)	TKS043	-	-	TAF029	-	Check illustrations for correct application
Touareg	7L (4.2 V8)	01/07	01/08	4.2L (BAR)	DOHC 32V (Petrol)	TKS098	TTH013	-	TAF029	-	Check illustrations for correct application
Touareg	7L (4.9 TDi V10)	05/04	08/10	4.9L (AYH, BLE)	SOHC 40V (Diesel)	-	-	-	TAF007	TMP002	
Touareg	7L R50 (4.9 TDi V10)	03/07	02/10	4.9L (CBWA)	SOHC 40V (Diesel)	-	-	-	-	TMP002	
Touareg	7P (3.0 TDi V6)	07/11	10/14	3.0L (CASA, CASD)	DOHC 24V (Diesel)	-	-	-	TAF149	TMP002	
Touareg	7P (3.0 TDi V6)	07/11	10/14	3.0L (CJMA, CRC)	DOHC 24V (Diesel)	-	-	-	TAF149	-	
Touareg	7P (3.6 V6)	07/11	08/12	3.6L (CGRA)	DOHC 24V (Petrol)	TKS036	-	-	-	-	
Touareg	7P (4.2 TDi V8)	11/10	10/14	4.2L (CKDA)	DOHC 32V (Diesel)	-	-	-	TAF148	TMP002	
Touran	First Generation	01/03	01/07	2.0L (AXW, BLR, BLX)	DOHC 16V (Petrol)	TKS036 TKS040	-	-	-	-	Check Knock Sensor illustrations for correct application
Touran	First Generation	01/06	01/07	2.0L (BVY)	DOHC 16V (Petrol)	TKS036	-	-	-	TMP028	
Touran	First Generation	01/07	01/08	2.0L (BMM)	SOHC 8V (Diesel)	-	-	-	TAF007	TMP002	

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Volkswagen cont.											
Transporter	IV (2.0)	11/92	12/04	2.0L (AAC)	SOHC 8V (Petrol)	-	-	TAC047	-	-	
Transporter	IV (2.5)	01/93	07/04	2.5L (ACU, AET)	SOHC 10V (Petrol)	TKS054 TKS075	-	-	-	-	Check Knock Sensor illustrations for correct application
Transporter	IV (2.5)	05/95	12/04	2.5L (AAF)	SOHC 10V (Petrol)	-	-	TAC047	-	-	
Transporter	IV (2.5 TDi)	10/99	12/04	2.5L (ACV, AUF, AYC)	SOHC 10V (Diesel)	-	-	-	TAF036 TAF048	TMP005 TMP006	Check illustrations for correct application
Transporter	V (1.9 TDi)	07/04	02/10	1.9L (AXB, AXC, BRS)	SOHC 8V (Diesel)	-	-	-	TAF008	TMP005	
Transporter	V (2.0)	07/04	02/10	2.0L (AXA)	SOHC 8V (Petrol)	TKS036 TKS100	-	-	TAF029	-	Check Knock Sensor illustrations for correct application
Transporter	V (2.0 TDi)	03/10	10/14	2.0L (CAAB, CAAC, CFCA)	DOHC 16V (Diesel)	-	-	-	TAF009	TMP011 TMP018	Check Manifold Absolute Pressure Sensor illustrations for correct application
Transporter	V (2.5 TDi)	07/04	04/09	2.5L (AXD, AXE)	SOHC 10V (Diesel)	-	-	-	TAF007	TMP002	
Transporter	V (2.5 TDi)	07/06	02/10	2.5L (BNZ, BPC)	SOHC 10V (Diesel)	-	-	-	TAF005	TMP002	
Transporter	V (3.2 V6)	06/05	08/08	3.2L (BKK)	DOHC 24V (Petrol)	TKS036 TKS083	-	-	TAF019	-	Check illustrations for correct application
Vento	III (2.0)	06/95	01/99	2.0L (ADY, AGG)	SOHC 8V (Petrol)	TKS054	-	-	TAF049	-	
Volvo											
240		08/89	10/93	2.3L (B230F)	SOHC 8V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
360		01/84	12/88	2.0L (B19E, B200E)	SOHC 8V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
440		01/93	12/96	2.0L (B20F)	SOHC 8V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
740	Incl. turbo	01/86	01/92	2.3L (B230F, B230FT, B234F)	(Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
760	Turbo	01/84	01/86	2.3L (B230ET)	SOHC 8V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
760		01/86	01/91	2.8L (B280F)	SOHC 12V (Petrol)	TKS021	TTH003 TTH029	-	-	-	Check illustrations for correct application
850	Incl. turbo	01/92	01/97	2.3L, 2.5L (B5234FT, B5252S, B5254S, B5254FT)	(Petrol)	TKS125	TTH003 TTH029	-	-	-	Check illustrations for correct application
940		11/90	01/93	2.3L (B230F)	SOHC 8V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
960	V6	11/90	10/91	2.8L (B280F)	SOHC 12V (Petrol)	TKS021	TTH029	-	-	-	
960		11/91	01/97	2.9L (B6304F/S)	DOHC 24V (Petrol)	TKS021	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
C30	D5	01/07	10/09	2.4L (D5244T)	DOHC 16V (Diesel)	-	-	-	TAF064	TMP010	
C30	Turbo Incl. T5	03/07	10/14	2.5L (B5254T3, B5254T7)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	TMP010 TMP020	TMP020 to VIN no. 38999, TMP010 to VIN no. 39000
C30		11/09	10/14	1.6L, 2.0L (D4164T, D4204T)	DOHC 16V (Diesel)	-	-	-	-	TMP021	
C70	Turbo (2.3)	09/99	1998	2.3L (B5234T3)	DOHC 20V (Petrol)	TKS125	TTH003 TTH029	-	-	TMP019	Check illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Volvo cont.											
C70	Turbo (2.3)	1999	02/03	2.3L (B5234T3)	DOHC 20V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP019	Check illustrations for correct application
C70	Turbo (2.4 - 2.5)	09/99	03/03	2.4L, 2.5L (B5244T, B5244T)	DOHC 20V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP019	Check illustrations for correct application
C70	Turbo	03/03	09/04	2.3L (B5234T9)	DOHC 20V (Petrol)	TKS090	TTH003	-	TAF059	TMP019	Check Manifold Absolute Pressure Sensor illustrations for correct application
C70	T5	12/06	10/14	2.5L (B5254T7)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	TMP010 TMP020	TMP020 to VIN no. 40042, TMP010 from VIN no. 40043
S40		02/97	02/04	1.8L, 2.0L (B4184S, B4204S2)	DOHC 16V (Petrol)	-	TTH005	-	-	TMP015	
S40	Turbo Incl. T4	10/97	05/04	1.9L, 2.0L (B4194T, B4204T, B4204T3, B4204T5)	DOHC 16V (Petrol)	-	TTH005	-	-	TMP019	Check Manifold Absolute Pressure Sensor illustrations for correct application
S40		01/97	03/01	1.8L, 2.0L (B4184S2, B4204S)	DOHC 16V (Petrol)	-	TTH005	TAC110	-	TMP015	
S40	T5, T5 R	02/04	10/14	2.5L (B5254T3, B5254T7)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	TMP010 TMP020	TMP020 to VIN non. 349999, TMP010 from VIN no. 350000
S40	D5	03/07	10/09	2.4L (D5244T8)	DOHC 16V (Diesel)	-	-	-	TAF064	-	
S40	2.0D	11/09	08/10	2.0L (D4204T)	DOHC 16V (Diesel)	-	-	-	-	TMP021	
S60	Turbo Incl. T5	01/00	2001	2.0L, 2.3L, 2.4L (B5204T5, B5234T3, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF063	TMP019	
S60	Turbo Incl. T5	06/05	2003	2.0L, 2.3L, 2.4L (B5204T5, B5234T3, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP019	
S60	Turbo Incl. T5	2003	07/03	2.0L, 2.3L, 2.4L (B5204T5, B5234T3, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP020	
S60		12/00	09/09	2.4L (B5244S)	DOHC 20V (Petrol)	TKS117	-	-	-	TMP082	Check Knock Sensor illustrations for correct application
S60	Turbo	03/03	09/09	2.5L (B5254T2)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP020	
S60	R	01/03	10/05	2.5L (B5254T4)	DOHC 20V (Petrol)	TKS090	-	-	-	TMP010	
S60	T6, T6 R	12/10	10/14	3.0L (B6304T4)	DOHC 24V (Petrol)	-	-	-	-	TMP010	
S60	T4	10/11	10/14	1.6L (B4164T)	DOHC 16V (Petrol)	TKS032	-	-	-	TMP073 TMP076	Check Manifold Absolute Pressure Sensor illustrations for correct application
S60	T5	02/11	10/14	2.0L (B4204T7)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP010 TMP073	Check Manifold Absolute Pressure Sensor illustrations for correct application
S70	T5	02/97	08/00	2.3L (B5234T3)	DOHC 20V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
S70	Turbo Incl. T5	02/97	1998	2.3L (B5234T3)	DOHC 20V (Petrol)	TKS125	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
S70	Turbo Incl. T5	1999	05/03	2.3L (B5234T3)	DOHC 20V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP019	Check Throttle Position Sensor illustrations for correct application
S70	2.4 20V	02/97	10/98	2.4L (B5244S)	DOHC 20V (Petrol)	TKS125	-	-	-	-	
S70	2.4T	02/97	04/01	2.4L (B5244T)	DOHC 20V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP019	Check illustrations for correct applications

Make and Model	Year		Engine		Part Number					Notes	
	Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure		
Volvo cont.											
S70	2.5	02/97	1998	2.4L (B5252S)	DOHC 10V (Petrol)	TKS125	TTH003 TTH029	-	-	TMP015	Check Throttle Position Sensor illustrations for correct application
S70	2.5	1999	09/00	2.4L (B5252S)	DOHC 10V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP015	Check Throttle Position Sensor illustrations for correct application
S70	2.5T	02/97	1998	2.4L (B5254T)	DOHC 20V (Petrol)	TKS125	TTH003 TTH029	-	-	TMP019	Check illustrations for correct application
S70	2.5T	1999	09/00	2.4L (B5254T)	DOHC 20V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP019	Check illustrations for correct application
S80	T6	05/98	2002	2.8L, 3.0L (B6284T, B6294T)	DOHC 24V (Petrol)	TKS090	-	-	-	TMP019	
S80	T6	2003	07/05	2.8L, 3.0L (B6284T, B6294T)	DOHC 24V (Petrol)	TKS090	-	-	-	TMP020	
S80	2.9	05/98	06/03	2.9L (B6304S, B6304S3)	DOHC 24V (Petrol)	TKS090	-	-	-	-	
S80		01/99	01/00	2.0L (B5204T4, B5204T5)	DOHC 20V (Petrol)	TKS090	-	-	-	TMP019	
S80	2.5T	10/04	12/06	2.5L (B5254T2)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP020	
S80	D5	01/07	10/09	2.4L (D5244T4)	DOHC 20V (Diesel)	-	-	-	TAF064	TMP010	
S80	T6	11/08	10/14	3.0L (B6304T2, B6304T4)	DOHC 24V (Petrol)	-	-	-	-	TMP010	
S90		02/97	12/98	2.9L (B6304F)	DOHC 24V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
V40	1.8 - 2.0	02/97	05/04	1.8L, 2.0L (B4184S, B4204S2)	DOHC 16V (Petrol)	-	TTH005	-	-	TMP015	
V40	Turbo Incl. T4	10/97	05/03	1.9L, 2.0L (B4194T, B4204T, B4204T5)	DOHC 16V (Petrol)	-	TTH005	-	-	TMP019	Check Manifold Absolute Pressure Sensor illustrations for correct application
V40	1.8 - 2.0	01/97	03/01	1.8L, 2.0L (B4184S2, B4204S)	DOHC 16V (Petrol)	-	TTH005	TAC110	-	TMP015	
V50	T5, T5 R	03/04	08/10	2.5L (B5254T3, B5254T7)	DOHC 20V (Petrol)	TKS069	-	-	TAF061	TMP010 TMP020	TMP020 to VIN no. 366999, TMP010 from VIN 367000
V50	D5	03/07	10/09	2.4L (D5244T8)	DOHC 20V (Diesel)	-	-	-	TAF064	TMP010	
V50	2.0D	11/09	08/10	2.0L (D4204T)	DOHC 16V (Diesel)	-	-	-	-	TMP021	
V60	T4	10/11	10/14	1.6L (B4164T)	DOHC 16V (Petrol)	TKS032	-	-	-	TMP073 TMP076	
V60	T5	03/11	10/14	2.0L (B4204T7)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP010 TMP073	
V60	T6, T6 R	03/11	10/14	3.0L (B6304T)	DOHC 24V (Petrol)	-	-	-	-	TMP010	
V70		01/97	1998	2.0L (B5204T5)	DOHC 20V (Petrol)	TKS125	TTH003	-	-	-	
V70		1999	01/00	2.0L (B5204T5)	DOHC 20V (Petrol)	TKS090	-	-	-	TMP019	
V70	R	03/97	10/98	2.3L (B5234T3)	DOHC 20V (Petrol)	TKS125	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
V70	2.5	03/97	1998	2.4L (B5252S)	DOHC 10V (Petrol)	TKS125	TTH003 TTH029	-	-	TMP015	Check Throttle Position Sensor illustrations for correct application

Make and Model		Year		Engine		Part Number					Notes
		Start	Finish	Size & Model	Cam & Valves	Knock Sensor	Throttle Position	Idle Air Control	Mass Air Flow	Manifold Absolute Pressure	
Volvo cont.											
V70	2.5	1999	09/00	2.4L (B5252S)	DOHC 10V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP015	Check Throttle Position Sensor illustrations for correct application
V70	2.5T	02/97	1998	2.4L (B5254T)	DOHC 20V (Petrol)	TKS125	TTH003 TTH029	-	-	TMP019	Check illustrations for correct application
V70	2.5T	1999	09/00	2.4L (B5254T)	DOHC 20V (Petrol)	TKS090	TTH003 TTH029	-	-	TMP019	Check illustrations for correct application
V70	R	10/98	1998	2.3L (B5234T3)	DOHC 20V (Petrol)	TKS125	TTH003	-	-	-	
V70	R	1999	06/99	2.3L (B5234T3)	DOHC 20V (Petrol)	TKS090	-	-	-	TMP019	
V70	2.5 20V	05/98	08/00	2.4L (B5254S)	DOHC 20V (Petrol)	TKS125	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
V70		02/00	01/02	2.3L, 2.4L (B5234T3, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF063	TMP019	
V70		01/02	01/03	2.3L, 2.4L (B5234T3, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP019	
V70		01/03	05/03	2.3L, 2.4L (B5234T3, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP020	
V70		01/00	06/05	2.4L (B5244S, B5244S2)	DOHC 20V (Petrol)	TKS117	-	-	-	TMP082	
V70		06/05	05/05	2.4L (B5244S, B5244S2)	DOHC 20V (Petrol)	-	-	-	-	TMP082	
V70	2.5T	01/03	01/06	2.5L (B5254T4)	DOHC 20V (Petrol)	TKS090	-	-	-	TMP010	
V70	Aktiv	06/04	09/04	2.5L (B5254T2)	DOHC 20V (Petrol)	TKS090	-	-	-	TMP020	
V70		02/06	01/08	2.4L (B5244S)	DOHC 20V (Petrol)	TKS117	-	-	-	TMP082	
V70	T6, T6 R	03/08	10/14	3.0L (B6304T4)	DOHC 24V (Petrol)	-	-	-	-	TMP010	
V90	2.9	02/97	12/98	2.9L (B6304F)	DOHC 24V (Petrol)	-	TTH003 TTH029	-	-	-	Check Throttle Position Sensor illustrations for correct application
XC60	T5	02/11	10/14	2.0L (B4204T)	DOHC 16V (Petrol)	TKS031	-	-	-	TMP010 TMP073	Check Manifold Absolute Pressure Sensor illustrations for correct application
XC60	D5	10/09	08/10	2.4L (D5244T4)	DOHC 20V (Diesel)	-	-	-	TAF064	TMP010	
XC60	T6, T6 R	03/09	01/13	3.0L (B6304T2, B6304T4)	DOHC 24V (Petrol)	-	-	-	-	TMP010	
XC70	Incl. Cross Country	01/00	2002	2.3L, 2.4L (B5234T7, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF063	TMP019	
XC70	Incl. Cross Country	2002	2003	2.3L, 2.4L (B5234T7, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP019	
XC70	Incl. Cross Country	2003	01/04	2.3L, 2.4L (B5234T7, B5244T3)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP020	
XC70	Incl. Cross Country	04/03	11/07	2.5L (B5254T2)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP020	
XC70	D5	01/05	10/09	2.4L (D5244T4)	DOHC 20V (Diesel)	-	-	-	TAF064	TMP010	
XC70	T6	11/12	10/14	3.0L (B6304T4)	DOHC 24V (Petrol)	-	-	-	-	TMP010	
XC90	2.5T	06/03	09/06	2.5L (B5254T2)	DOHC 20V (Petrol)	TKS090	-	-	TAF059	TMP020	
XC90	T6	06/03	09/06	2.9L (B6294T)	DOHC 24V (Petrol)	TKS090	-	-	-	TMP020	
XC90	D5	10/06	10/14	2.4L (D5244T4)	DOHC 20V (Diesel)	-	-	-	TAF064	TMP010	TAF064 suits to chassis no. 574467

The Tridon knock sensor range has been developed to operate within original equipment manufacturer's specifications and must be compatible with the vehicle engine management system.

Knock sensor electrical circuits, technical specifications and appearance may vary; always refer to the Tridon vehicle application list to ensure correct part number selection.

Knock Sensors



Engine Knock

Engine knock in combustion engines refers to unintentional detonation when unburned fuels and gases in the engine ignite due to pressure or heat rather than intentional ignition at the correct time. This abnormal detonation creates shock waves to crash into the piston or cylinder walls resulting in a metallic knock or pinging sound. Knocking can cause increased cylinder temperature and pressure and lead to catastrophic engine damage if left undiagnosed.

Engine knock is also known as knocking, pinging, detonation or pinking. It can be caused by over advanced timing, overheating, lean fuel/air mixture or the use of low octane fuel. Increased compression caused by hot carbon deposits within the combustion chamber can also be a contributing factor. Engine knock is less common in cold conditions.

Symptoms of engine knocking are more easily detected at high speeds or when the engine is under load. Metallic knocking / pinging noise, lack of power or acceleration, loss of fuel economy and poor engine performance are all common signs that there may be a problem.

Function

The knock sensor's primary function is to detect and respond to acoustic signals (vibrations) caused by vehicle engine advanced timing detonation, known as engine knock or pinging.

The knock sensor is an integral part of the engine management system. A fully operational knock sensor will allow the vehicle ECU to control the engine ignition timing to optimise power and fuel efficiency.

Design and Operation

The knock sensor is a type of 'piezoelectric sensor' and contains a piezoelectric sensing crystal. The crystal generates as voltage when pressure or vibration is applied. The piezoelectric sensing crystal used in knock sensors is tuned to detect specific frequencies created by engine knock.

The knock sensor delivers a change in output signal voltage when vibrations (frequency) from engine knock are detected. The output voltage will rise when an engine knock is detected. The output signal voltage is processed by the vehicle ECU to control (retard) ignition timing, fuel injection timing and other important engine management functions.



Style

There are two main knock sensor styles, single pin (broadband) and multiple pin (flat response).



Broadband Knock Sensors (single pin)

use a single wire circuit, they can respond to frequencies up to 1000Hz above the designed frequency level. The single wire design allows the sensor to operate successfully in changing engine conditions. The broadband single wire knock sensor provides reduced susceptibility to electromagnetic interference due to its high output voltage.



Flat Response Knock Sensors (multiple pin)

use a multi wire circuit. Flat response knock sensors utilise a self-generating piezoelectric design, requiring no power to the sensor. As a result they have a flat response over range 1 – 18kHz. Flat response sensors are more versatile in that the output frequency can be tuned to suit the specific engine knock characteristics. Flat response knock sensor design makes them ideal for use on virtually any internal combustion engine including petrol, diesel, LPG and two stroke engines.

Testing and Replacement

The knock sensor is an integral component in a vehicle engine management system normally located in the engine block, cylinder head or intake manifold. A faulty knock sensor may provide incorrect output voltage signals to the vehicle ECU leading to potential engine damage.

Testing and Diagnosis

1. Check the knock sensor for visible faults.

Note: There could be more than one knock sensor installed on the vehicle.



2. Check the knock sensor plug and wiring for open or short circuits in wiring harness between the knock sensor and the ECU.

3. Check for correct knock sensor operation;

- With a scan tool check for any fault codes. A faulty knock sensor may register a fault code, refer to manufacturer's specifications for codes and repair requirements.
- A faulty knock sensor may also cause the engine check light to illuminate.

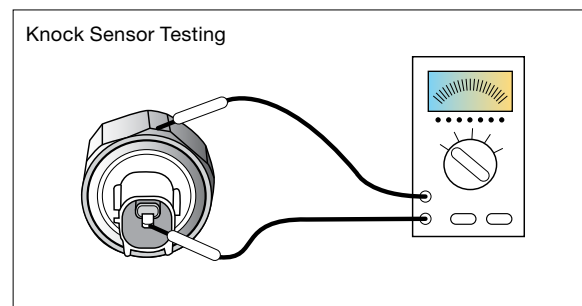
Note: A faulty knock sensor may register fault codes due to other malfunctioning mechanical components.

- Common tests include input/output voltage/frequency test;
 - Connect an oscilloscope or voltmeter in line with the sensor wiring plug or terminal, check the supply voltage and earth connection continuity. With the engine running, check the sensor output signal voltage/frequency.
 - If the input voltage is not present check for wiring faults.
 - If the input voltage is operational, check the output voltage. If not present or not in line with the OEM specifications change the knock sensor.
 - Check the knock sensor output voltage/frequency signal using an oscilloscope or voltmeter (AC Volts), if a knock is present the output voltage/frequency will increase.

- Check the knock sensor resistance values;
 - Using an Ohmmeter, measure the resistance across the terminals (or terminal to the body of the sender).

Note: For correct knock sensor resistance or voltage/frequency values refer to OEM specifications.

4. Replace the knock sensor if readings are not as shown above.



Installation

1. It is important to ensure that the mounting surfaces on both the knock sensor and engine block are clean before installation.
2. Do not use thread tape or sealant on knock sensor and engine block thread during installation.
3. Check all electrical connections are in good condition and free of corrosion.
4. Ensure that the knock sensor is tightened to the correct torque specification, over tightening can lead to irreversible damage to the knock sensor. Refer to OEM specifications for correct tightening torque requirements.

Engine knock or pinging may also be a result of existing engine damage or component wear. When an engine knock or pinging is present it is important to check the entire engine operation. If a knock sensor malfunction or fault is suspected, the knock sensor should be inspected and repairs carried out by a trained professional.

TKS001
Pins: 2

TKS002
Pins: 2

TKS003
Pins: 2

TKS004
Pins: 2

TKS005
Pins: 2

TKS006

Image for illustration purposes only.

TKS007
Pins: 1

TKS008
Pins: 1

TKS009
Pins: 2

TKS010

Image for illustration purposes only.

TKS011
Pins: 1

TKS012
Pins: 1

TKS013
Pins: 1

Cable Length: 155mm

TKS014
Pins: 1

Cable Length: 160mm

TKS015
Pins: 1

Cable Length: 165mm

TKS016
Pins: 1

TKS017
Pins: 3



Cable Length: 430mm

TKS018
Pins: 2



TKS019
Pins: 2



TKS020
Pins: 2



Cable Length: 210mm

TKS021
Pins: 3



Cable Length: 380mm

TKS022
Pins: 1



TKS023
Pins: 1



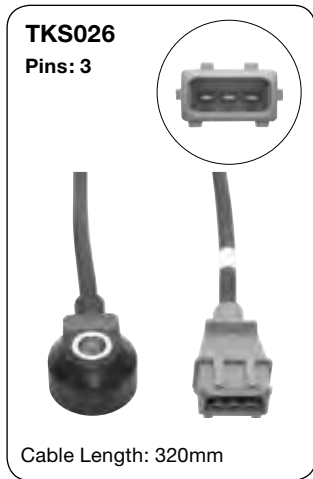
TKS024
Pins: 1



TKS025
Pins: 1



TKS026
Pins: 3



Cable Length: 320mm

TKS027
Pins: 2



TKS028
Pins: 1



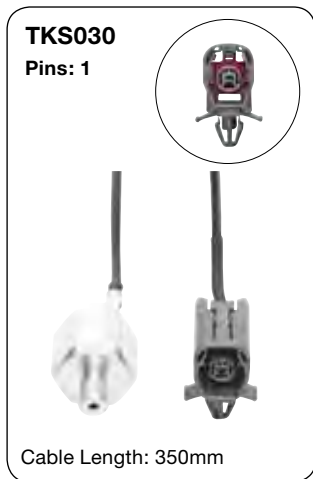
Cable Length: 345mm

TKS029
Pins: 1



Cable Length: 340mm

TKS030
Pins: 1



Cable Length: 350mm

TKS031
Pins: 2



Cable Length: 230mm

TKS032
Pins: 2



Cable Length: 435mm

TKS033
Pins: 4






Cable Length: 400/320mm

TKS034
Pins: 2




Cable Length: 355mm

TKS035
Pins: 1

Cable Length: 425mm

TKS036
Pins: 2




TKS037
Pins: 3




Cable Length: 390mm

TKS038
Pins: 3




Cable Length: 485mm

TKS039
Pins: 3




Cable Length: 555mm

TKS040
Pins: 3




Cable Length: 215mm

TKS041
Pins: 3




Cable Length: 165mm

TKS042
Pins: 3




Cable Length: 625mm

TKS043
Pins: 3




Cable Length: 760mm

TKS044
Pins: 1




Cable Length: 185mm

TKS045
Pins: 4





Cable Length: 185/285mm

TKS046
Pins: 4




Cable Length: 510/350mm

TKS047
Pins: 4

Cable Length: 560/450mm

TKS048
Pins: 4




Cable Length: 465/465mm

TKS050



Image for illustration purposes only.

TKS051
Pins: 2



Cable Length: X420mm

TKS052
Pins: 2



TKS053
Pins: 2



Cable Length: 390mm

TKS054
Pins: 3



Cable Length: 315mm

TKS055
Pins: 3




Cable Length: 335mm

TKS056
Pins: 2




Cable Length: 640mm

TKS057
Pins: 3



Cable Length: 330mm

TKS058
Pins: 3



Cable Length: 380mm

TKS059
Pins: 3



Cable Length: 735mm

TKS060
Pins: 3



Cable Length: 425mm

TKS061
Pins: 3



Cable Length: 230mm

TKS062
Pins: 2



TKS063
Pins: 2



Cable Length: 350mm

TKS064
Pins: 2



Cable Length: 230mm

TKS065
Pins: 2



TKS066
Pins: 2



Cable Length: 225mm

TKS067
Pins: 2



Cable Length: 370mm

TKS068
Pins: 3



Cable Length: 385mm

TKS069
Pins: 4



Cable Length: 430/330mm


TKS070
Pins: 2



TKS071
Pins: 2

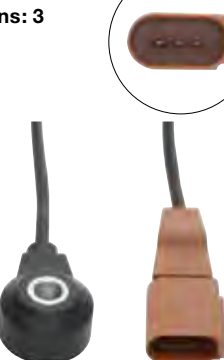


TKS072
Pins: 3



Cable Length: 220mm

TKS073
Pins: 3



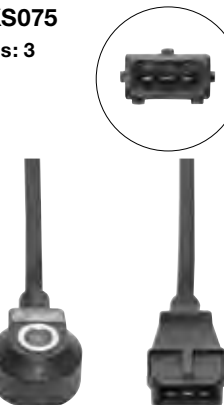
Cable Length: 225mm

TKS074
Pins: 3



Cable Length: 130mm

TKS075
Pins: 3



Cable Length: 285mm

TKS076
Pins: 3



Cable Length: 330mm

TKS077
Pins: 3



Cable Length: 270mm

TKS078
Pins: 2



TKS079
Pins: 2



Cable Length: 695mm

TKS080
Pins: 2



TKS081
Pins: 3



Cable Length: 135mm

TKS082
Pins: 4




Cable Length: 290/195mm

TKS083
Pins: 3




Cable Length: 280mm

TKS084
Pins: 2




Cable Length: 440mm

TKS085
Pins: 2




Cable Length: 330mm

TKS086
Pins: 4




Cable Length: 270/170mm

TKS087
Pins: 2



TKS088
Pins: 2




TKS089
Pins: 1




TKS090
Pins: 4




Cable Length: 560/485mm

TKS091
Pins: 1




TKS092
Pins: 1




TKS093
Pins: 3




Cable Length: 545mm

TKS094
Pins: 2



TKS095
Pins: 2




Cable Length: 565mm

TKS096
Pins: 3




Cable Length: 485mm

TKS097
Pins: 2




Cable Length: 75mm

TKS098
Pins: 3



Cable Length: 335mm

TKS099
Pins: 2



TKS100
Pins: 3



Cable Length: 215mm

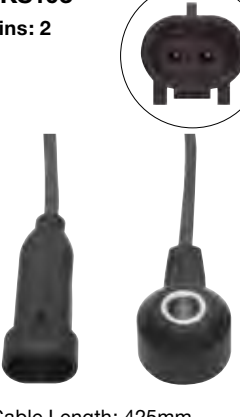
TKS101
Pins: 2



TKS102
Pins: 1



TKS103
Pins: 2



Cable Length: 425mm

TKS104
Pins: 3



Cable Length: 360mm

TKS105
Pins: 3



Cable Length: 280mm

TKS106
Pins: 2



TKS107
Pins: 2



Cable Length: 450mm

TKS108
Pins: 3



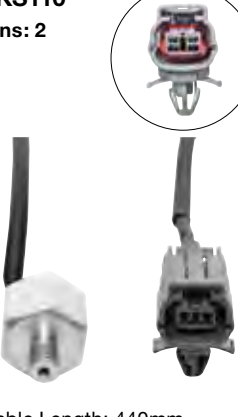
Cable Length: 385mm

TKS109
Pins: 3



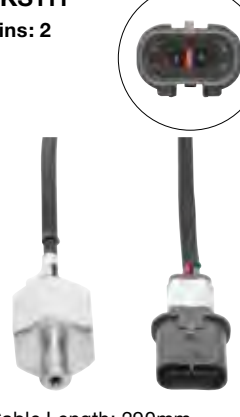
Cable Length: 185mm

TKS110
Pins: 2



Cable Length: 440mm

TKS111
Pins: 2



Cable Length: 290mm

TKS112
Pins: 2



Cable Length: 450mm

TKS113
Pins: 2



Cable Length: 265mm

TKS114
Pins: 1



TKS115
Pins: 2



TKS116
Pins: 2



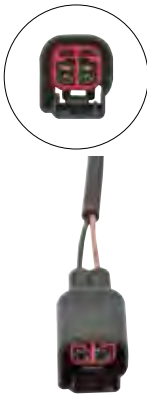
Cable Length: 155mm

TKS117
Pins: 4



Cable Length: 525/490mm

TKS118
Pins: 2



Cable Length: 445mm

TKS119
Pins: 3



Cable Length: 375mm

TKS120
Pins: 3



Cable Length: 375mm

TKS121
Pins: 2



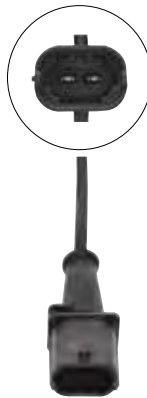
Cable Length: 180mm

TKS122
Pins: 2



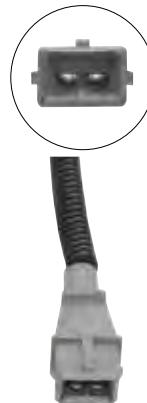
Cable Length: 300mm

TKS123
Pins: 2



Cable Length: 635mm

TKS124
Pins: 2



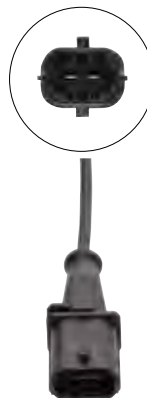
Cable Length: 235mm

TKS125
Pins: 3



Cable Length: 510/435mm

TKS126
Pins: 2



Cable Length: 625mm

TKS127
Pins: 2



Cable Length: 660mm

TKS128
Pins: 2



Cable Length: 525mm

TKS129
Pins: 2



Cable Length: 420mm

TKS130
Pins: 2



Cable Length: 175mm

TKS131
Pins: 2



Cable Length: 400mm

TKS132
Pins: 2



Cable Length: 505mm

TKS133
Pins: 2



Cable Length: 255mm

TKS134
Pins: 2




TKS135
Pins: 3



Cable Length: 235mm

TKS136
Pins: 2



Cable Length: 600mm

TKS137
Pins: 1



TKS138
Pins: 2



TKS139
Pins: 3



Cable Length: 335mm

TKS140
Pins: 2



Cable Length: 405mm

TKS141
Pins: 1



TKS143
Pins: 2



TKS144
Pins: 1



TKS145
Pins: 2



TKS146
Pins: 2



The Tridon throttle position sensor range has been developed to operate within original equipment manufacturer's specifications and must be compatible with the vehicle engine management system.

Throttle position sensor electrical circuits, technical specifications and appearance may vary; always refer to the Tridon vehicle application list to ensure correct part number selection.

Throttle Position Sensors



Function

The throttle position sensor, sometimes known as a TPS, is an electrical device designed to monitor the position of the vehicle throttle valve, plate, butterfly or spindle. The throttle position sensor is an integral part of the vehicle engine management system, located in or on the throttle body assembly; the throttle position sensor enables the vehicle engine management system (ECU) to accurately determine the angle and rotational speed of the vehicle throttle valve.

Design and Operation

The TPS sensor produces a variable electrical output signal voltage as a result of rotational speed and position of the vehicle throttle valve/plate. The variable output signal voltage is processed by the ECU to identify throttle position required for fuel and air delivery, ignition timing and other important functions.

Style

There are two main types of throttle position sensors, contact and non-contact.

Contact Style Throttle Position Sensors use potentiometer design, utilising a sliding contact arm (wiper) that moves across an element (resistor or printed circuit). This type of sensor is basically a variable resistor, as the throttle valve angle changes so does the resistance and therefore output voltage signal.

Contact style sensors can be prone to failure due to component wear, heat, corrosion or vibration; wear as a result of the repetitive action of the wiper arm across the element is a common cause of failure.

Non-Contact Style Throttle Position Sensors include inductive or Hall Effect design to produce an output signal. Non-contact style sensors are more commonly used on modern vehicles due to improved design, replacing wear components with integrated circuits and utilising electrical principles to provide output signal requirements.

Non-contact style throttle position sensors provide longer component life, resistance to heat and vibration and also more precise electrical outputs.

Inductive sensors use electromagnetic induction principles to generate an output voltage indicating the throttle valve angle and rotational speed. The sensor consists of a coil winding wrapped around an iron core and is located near the sensing surface (e.g. throttle valve).

During operation, D.C. current is used to excite a magnetic field within the sensor. The operating principle is based on the changes to the electromagnetic field within the coil (throttle position sensor) due to the proximity and rotation of the metal sensing surface (throttle valve or spindle).

Hall Effect sensors use Hall Effect principles to generate an output voltage indicating throttle valve angle and rotational speed.

The sensor consists of a permanent magnet and semi-conductor incorporated into an integrated circuit (Hall I.C.), along with a steel vane driven by the throttle valve or spindle. During operation, current is supplied to the Hall I.C. and steel vane rotation (via throttle valve) is used to interrupt the magnetic field. An output signal or 'hall voltage' is then produced in the form of a square wave.

Testing and Replacement

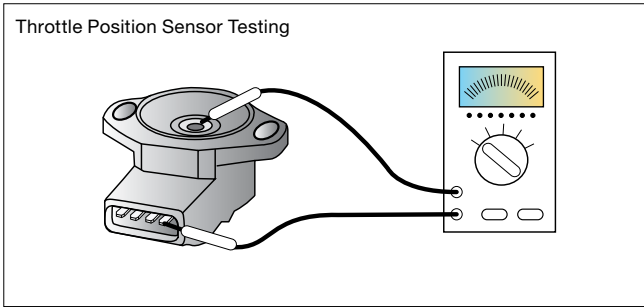
The throttle position sensor is an integral part of a vehicle's engine management system. A faulty, worn or inoperable throttle position sensor may provide incorrect output voltage signals to the vehicle ECU leading to poor engine performance.

Common symptoms of a faulty, worn or inoperable throttle position sensor may include illumination of the check engine light, hesitation or stumble during acceleration, engine surge whilst idling or at speed.

Testing and Diagnosis

1. Check the throttle position sensor for visible faults or damage.
 2. Check the throttle position sensor plug and wiring for open or short circuits in the wiring harness between the throttle position sensor and the ECU.
 3. Check for correct throttle position sensor operation;
 - With a scan tool, check for any fault codes, a faulty throttle position sensor may register a fault code, refer to manufacturer's specifications for codes and repair requirements.
 - A faulty throttle position sensor may also cause the engine check light to illuminate.
- Note:** A faulty throttle position sensor may register erroneous fault codes for other engine mechanical faults.
- Common tests include input/output voltage test.
- a. Check the throttle position sensor input/output voltage signal using an oscilloscope or voltmeter.
 - Connect an oscilloscope or voltmeter in line with the sensor wiring plug or terminal, check the supply voltage and earth connection continuity.
 - Check the sensor output signal voltage across the entire throttle range, fully closed through to fully open.
 - b. If the input voltage or earth connection are not present check for wiring faults.
 - c. If the input and earth connection are operational, check the output voltage. If not present or not in line with the OEM specifications change the throttle position sensor.
- Check the throttle position sensor resistance values;
 - Using an Ohmmeter, measure the resistance across the terminals (or terminal to the body of the sender), measure the resistance of the sensor across the entire throttle range.

Note: For correct throttle position sensor resistance or voltage values refer to OEM specifications.



4. Replace the throttle position sensor if readings are not as per OEM specifications.

Removal and Installation

1. Remove the old, worn or faulty throttle position sensor from its location.
2. Once the throttle position sensor has been removed, check the throttle body, valve assembly for carbon or oil deposits. Clean the throttle body/throttle position sensor location as per manufacturer's specifications.
3. Install the new throttle position sensor. Ensure that the sensor is correctly located and that the screws/bolts are tightened to the manufacturer's specifications.
4. Clear the vehicle ECU/fault codes. Perform a vehicle test on completion.

When a throttle position sensor malfunction or fault is suspected the entire engine management system should be checked with the faults diagnosed and repairs carried out by a trained professional.





TTH017
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH018
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH019
Pins: 4



Diagram of a 4-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 4-pin connector at the bottom.

TTH020
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a blue rectangular area on top and a 3-pin connector at the bottom.

TTH021
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH022
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH023
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH024



Image for illustration purposes only.

TTH025
Pins: 4



Diagram of a 4-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 4-pin connector at the bottom.

TTH026
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a blue rectangular area on top and a 3-pin connector at the bottom.

TTH027
Pins: 4



Diagram of a 4-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 4-pin connector at the bottom.

TTH028
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH029
Pins: 3




Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH030
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH031
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.

TTH032
Pins: 3



Diagram of a 3-pin connector. The main image shows a black plastic sensor with a circular metal contact area on top and a 3-pin connector at the bottom.



TTH049
Pins: 3




TTH050
Pins: 3




TTH051
Pins: 4




TTH052
Pins: 4




TTH053
Pins: 3




TTH054
Pins: 3




TTH055
Pins: 4




TTH056
Pins: 3 (x2)




TTH057
Pins: 3




TTH058
Pins: 3




TTH059
Pins: 3




TTH060
Pins: 3






TTH061
Pins: 3




TTH062
Pins: 3

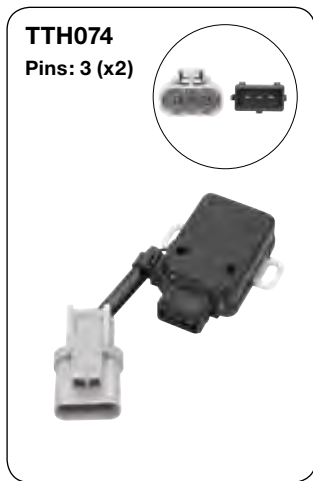
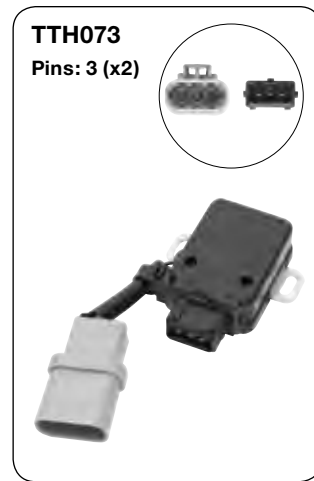



TTH063
Pins: 2
Switch

TTH064
Pins: 3



TTH082
Pins: 3 (x2)




TTH083
Pins: 4




TTH084
Pins: 3




TTH085
Pins: 4




TTH086
Pins: 3




TTH087
Pins: 3




TTH088
Pins: 3




TTH089
Pins: 3




TTH091
Pins: 4




TTH092
Pins: 3




TTH093
Pins: 4




TTH094
Pins: 4




TTH095
Pins: 4




TTH096
Pins: 4




TTH097
Pins: 4




TTH098
Pins: 3




TTH099
Pins: 3 (x2)



TTH100
Pins: 3



TTH101
Pins: 3



TTH103
Pins: 3



TTH104
Pins: 3



The Tridon idle air control valve range has been developed to operate within original equipment manufacturer's specifications and must be compatible with the vehicle engine management system.

Idle air control valve electrical circuits, technical specifications and appearance may vary; always refer to the Tridon vehicle application list to ensure correct part number selection.

Idle Air Control Valves



Function

The idle air control valve sometimes known as an IAC, is an electrical actuating device designed to electromechanically control engine idle speed.

The idle air control valve is an essential part of the vehicle engine management system, integrated into a bypass housing or located on or near the throttle body assembly. The idle air control valve allows a measured amount of air to bypass the throttle plate/butterfly when it is closed, enabling the ECU to accurately control the idle speed of the vehicle's engine.

The IAC position is adjusted quickly to compensate for engine load and is commonly required for or during engine start-up, cold start/engine warm up, additional electrical loads, deceleration, air conditioning and automatic transmission use.

Design and Operation

Idle air control valves utilise electrical actuator design to allow air to bypass the throttle plate controlling engine idle when the throttle is closed. The IAC valve is controlled by an input signal from the ECU as required by the engine management system, the duration and frequency of the ECU input signal determines how long and how far the IAC valve opens, hence the amount of air that is allowed to bypass the throttle plate.

Style

There are many types of idle air control valves including electrical solenoid, stepper motor design, air control valve (ACV) and on/off vacuum switching valves (VSV).

Electrical Solenoid type idle air control valves utilise a coil and plunger valve design, consisting of a coil of wire wound around a cylinder or bobbin, an iron plunger and return spring.

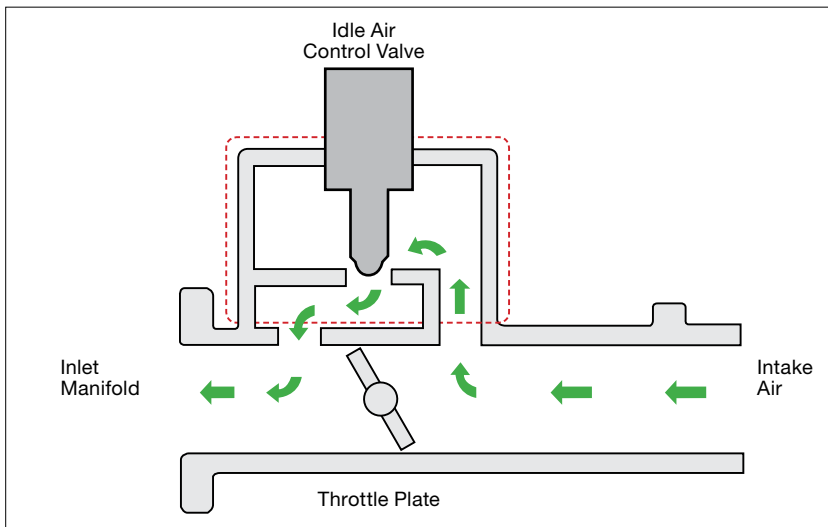
Operation is achieved using electromagnetic principles in that the coil of wire is energised (input voltage signal) and a magnet field is produced, in turn attracting the iron core plunger valve assembly towards the winding, opening the idle air valve. As the coil of wire is de-energised the magnetic field collapses and the plunger valve assembly returns to its normally closed position through the use of the return spring.

Stepper Motor type idle air control valves use electric motor design allowing precise control of the valve. Operation is controlled by the input signal to the motor allowing rotation of the armature or rotor which is attached to the valve assembly. Stepper motor design allows the valve to be controlled through specific angles or steps in either direction. There are 3 main types of design, including permanent magnet, variable reluctance and hybrid. Stepper motor design idle air control valves are controlled through digital signals received from the ECU. The polarity of the signal to the IAC determines the direction of control of the valve whilst the speed and duration of the digital signal controls the speed and length of the valve movement.

Air Control valves use solenoid design to allow air to bypass the throttle plate assembly.

Vacuum Switching valves design is used to control a fixed amount of air to be bled into the intake manifold.

Both ACV and VSV system design also require an additional mechanical air valve to perform cold fast idle operation, this is due to the inability to allow large volumes of air past the valve during operation.



Testing and Diagnosis

1. Check the idle air control valve for visible faults.
2. Check the idle air control valve plug and wiring for open or short circuits in wiring harness between the idle air control valve and the ECU.
3. Check for correct idle air control valve operation;

- With a scan tool check for any fault codes, a faulty idle air control valve may register a fault code. Refer to manufacturer's specifications for codes and repair requirements.
- An idle air control valve may also cause the check engine light to illuminate.

Note: A faulty IAC may register erroneous fault codes for other engine mechanical faults.

- Common tests include input voltage signal test. Check the IAC input voltage signal using an oscilloscope, voltmeter or noid light.
 - With the engine running, connect an oscilloscope or voltmeter in line with the sensor wiring plug or terminal, check the supply/signal voltage, place the engine under load to check changes in voltage.
 - Noid light test, remove the IAC plug and connect the noid light, the noid will operate if a signal voltage is present.
 - If the input voltage or earth connections are not present check for wiring faults.

- If the wiring and signal voltage are operational, remove the IAC with the plug still connected. Turn the ignition on, the IAC plunger should move in and out. If the IAC is not operational replace the unit.

Note: For correct idle air control valve voltage signals and fault codes refer to OEM specifications.

Removal and Installation

- 1.** Remove the faulty or inoperable idle air control valve from its location.
- 2.** Once the idle air control valve has been removed, check the valve assembly itself and the bypass housing for carbon or oil deposits. Clean valve assembly and housing as per manufacturer's specifications.
- 3.** Check all electrical connections are free of corrosion.
- 4.** Install the new idle air control valve; ensure that the gasket and valve are correctly located and that the screws/bolts are tightened to the manufacturer's specifications.
- 5.** Clear the vehicle ECU/fault codes. Perform a vehicle test on completion, it may be necessary to drive the vehicle above a certain speed to allow the ECU to reset the newly installed IAC valve to ensure correct engine idle.

When an idle air control valve malfunction or fault is suspected the entire engine management system should be checked with the faults diagnosed and repairs carried out by a trained professional.





TAC017
Pins: 0
Valve only



TAC018
Pins: 3




TAC019




Image for illustration purposes only.

TAC020
Pins: 6




TAC021



Image for illustration purposes only.

TAC022
Pins: 3




TAC023
Pins: 3




TAC024
Pins: 3




TAC025
Pins: 3




TAC026
Pins: 3




TAC027
Pins: 3





TAC028
Pins: 6




TAC029
Pins: 3




TAC030
Pins: 6



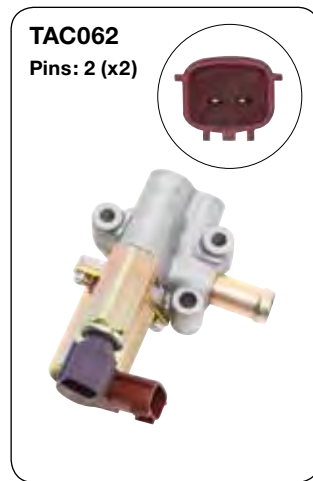

TAC031
Pins: 6




TAC032
Pins: 3





TAC067
Pins: 4




TAC068
Pins: 4




TAC069
Pins: 4




TAC070
Pins: 4




TAC071
Pins: 4




TAC072
Pins: 2




TAC073
Pins: 2



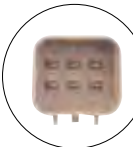


TAC074
Pins: 4




TAC075
Pins: 2




TAC076
Pins: 6

TAC077
Pins: 6




TAC078
Pins: 4




TAC079
Pins: 2




TAC080
Pins: 2




TAC081
Pins: 2




TAC082
Pins: 2




TAC083
Pins: 2




TAC084
Pins: 2




TAC085
Pins: 2




TAC086
Pins: 6




TAC087
Pins: 6




TAC088
Pins: 3




TAC089
Pins: 3




TAC091
Pins: 6




TAC092
Pins: 6




TAC093
Pins: 3




TAC094
Pins: 6




TAC095



Image for illustration purposes only.

TAC096
Pins: 6




TAC097
Pins: 2




TAC098
Pins: 2




TAC099
Pins: 2




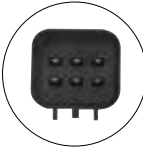

TAC100
Pins: 2




TAC101
Pins: 6




TAC102
Pins: 6

TAC103
Pins: 2




TAC104
Pins: 6




TAC105
Pins: 6




TAC106
Pins: 0
Valve only



TAC107
Pins: 6




TAC108
Pins: 3




TAC109
Pins: 4




TAC110
Pins: 2




TAC111
Pins: 4




TAC112
Pins: 2




TAC113
Pins: 2




TAC114
Pins: 6




TAC115
Pins: 4






The Tridon mass air flow sensors range has been developed to operate within original equipment manufacturer's specifications and must be compatible with the vehicle engine management system.

Mass air flow sensors electrical circuits, technical specifications and appearance may vary; always refer to the Tridon vehicle application list to ensure correct part number selection.

Mass Air Flow Sensors



Function

The mass air flow sensor, sometimes known as a MAF sensor or air flow meter, is an electrical device designed to measure the flow of air entering the vehicle intake manifold.

The mass air flow sensor is an integral part of the vehicle engine management system and is normally located in the vehicle inlet piping between the air filter and the throttle body assembly. The mass air flow sensor converts the measured air flow into the an electrical output voltage (analogue) or frequency (digital) signal enabling the ECU to accurately control air/fuel delivery.

Design and Operation

The MAF sensor produces a variable electrical output signal voltage or frequency as a result of the mass flow rate of air entering the vehicle intake manifold. The variable output signal from the MAF sensor combined with the vehicle oxygen sensor enable the vehicle engine management system (ECU) to accurately control the air and fuel ratio.

The MAF sensor is critical for correct modern vehicle engine operation. The MAF sensor accurately measures flow of air in ever changing engine conditions. The MAF sensor enables correct engine operation as a result of changes in air density, air temperature, altitude and forced induction.

Style

There are various styles of MAF sensor. Common designs utilise a suspended 'hot' or 'cold' wire or vane design to deliver changes in signal voltage processed by the vehicle ECU. Other designs include Karman Vortex, laminar or membrane sensors.

Hot wire MAF sensors use hot wire element design to measure air flow.

Air flow is determined through Ohm's law principles in that the voltage signal will change as result of resistance and current changes.

Hot wire MAF sensors use a positive temperature coefficient (PTC) resistor element to measure air flow, meaning as the element temperature drops so does it's resistance. When voltage is applied to the element the current flow through the element remains constant at the programmed temperature.

During operation air flows though the MAF cooling the hot wire element, the rate of air flow (engine load) determines the temperature of the element. As the element temperature decreases so does it's resistance, additional current flow is therefore required to maintain the programmed temperature of the element. The change in current/voltage is used by the engine management system to determine air flow/engine load.

Cold wire MAF sensors work similarly to hot wire sensors to measure air flow. Cold wire sensors incorporate a 'hot wire' element as well as an additional 'cold wire' element into the sensor. The cold wire element (resistor) is used to determine ambient temperature and provide a reference point for the hot wire element. Most cold wire sensors use a negative temperature coefficient (NTC) resistor to determine ambient temperature, meaning as the ambient temperature increases the resistance of the element decreases.

Operation is the same as hot wire MAF, however additional signals from the cold wire element as a result of air temperature and density are used by the engine management system to determine air quality and volume.

Vane MAF sensors, sometimes known as VAF (volume air flow) sensors, produce a variable electrical output signal voltage as a result of rotational speed and position of the sensor plate or vane to measure air flow. The vane is attached to a potentiometer and moves in proportion to air flow. This type of sensor is basically a variable resistor, as the vane angle changes with the rate of air flow so does the resistance and therefore output voltage signal. Vane style MAF sensors do not measure air mass.

Vane MAF also have air temperature sensor integrated into the unit to fine tune mass air flow as required by the ECU. Vane MAF sensors are not common in modern applications due to design (restriction of air flow), size and orientation of the vane. They can also be prone to failure due to component wear, in particular wear as a result of the repetitive action of the wiper arm across the element.

Testing and Replacement

The mass air flow sensor is an integral part of a vehicle engine management system. A faulty, worn or inoperable mass air flow sensor may provide incorrect output voltage signals to the vehicle ECU leading to poor engine performance.

Common symptoms of a faulty, worn or inoperable mass air flow sensor may include illumination of the engine check light, poor fuel consumption, fuel delivery problems including 'lean or rich' mixture causing engine knock, poor engine performance, hesitation or stumble during acceleration or difficult starting.

Testing and Diagnosis

1. Check the mass air flow sensor for visible element damage or debris contamination (dirt or oil). Clean the sensor of contamination or debris in line with OEM specifications.

Note: Ensure that the correct cleaning agents are used; failure to use the correct agents can lead to irreversible damage of the MAF sensor element.

2. Check for correct mass air flow sensor operation;

- With a scan tool;
 - Check for any fault codes, a faulty mass air flow sensor may register a fault code.
 - Analyse the barometric and fuel trim values on the scan tool, refer to manufacturer's specifications for codes, values and repair requirements.

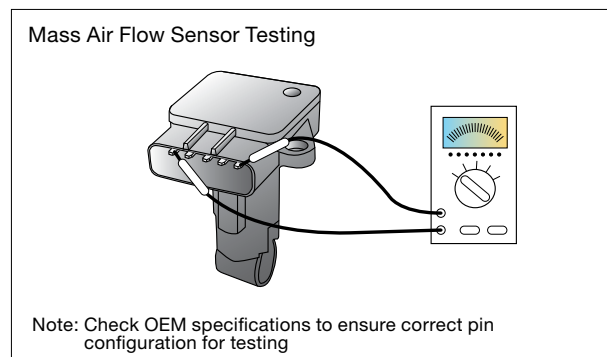
■ A faulty mass air flow sensor may also cause the engine check light to illuminate.

Note: A faulty MAF may register fault codes for other engine component faults.

- Check mass air flow sensor wiring;
 - Check the sensor plug and wiring for open or short circuits in wiring harness between the sensor and the ECU.
 - Check the mass air flow sensor input/output signal using an oscilloscope or voltmeter.
 - Connect an oscilloscope or voltmeter in line with the sensor wiring plug or terminal, check the supply voltage and earth connection continuity. With the engine running check the sensor output signal across the entire throttle range.
 - If the input voltage or earth connection are not present check for wiring faults.
 - If the input and earth connections are operational, check the output signal. If not present or not in line with the OEM specifications replace the MAF sensor.

- Check mass air flow sensor resistance values (Vane MAF);
 - Using an Ohmmeter, measure the resistance across the terminals (or terminal to the body of the sender), measure the resistance of the sensor across the entire throttle range.

Note: For correct mass air flow sensor resistance or voltage/frequency values refer to OEM specifications.



Removal and Installation

1. Remove the faulty or inoperable mass air flow sensor from its location.
2. Once the mass air flow sensor has been removed, check the inlet pipework for carbon or oil deposits.
3. Install the new mass air flow sensor; ensure that electrical connections are free of corrosion and installed correctly.
4. Clear the vehicle ECU/fault codes. Perform a vehicle test on completion.

When a mass air flow sensor malfunction or fault is suspected the entire engine management system should be checked with the faults diagnosed and repairs carried out by a trained professional.







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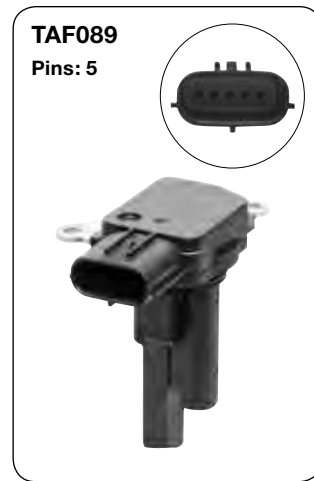


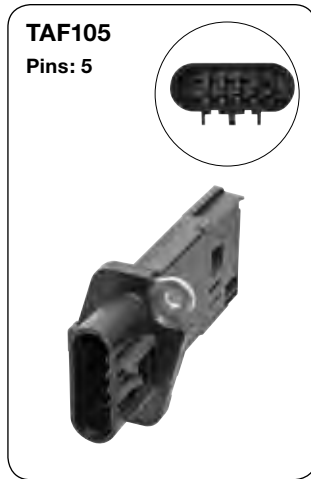
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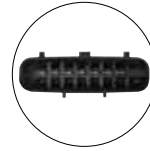
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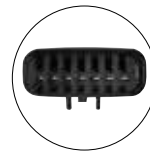
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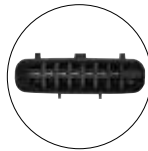
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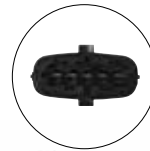
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The Tridon manifold absolute pressure sensor range has been developed to operate within original equipment manufacturer's specifications and must be compatible with the vehicle engine management system.

Manifold absolute pressure sensor electrical circuits, technical specifications and appearance may vary; always refer to the Tridon vehicle application list to ensure correct part number selection.

Manifold Absolute Pressure Sensors



Function

The manifold absolute pressure sensor, sometimes known as a MAP sensor, is an electrical device designed to measure manifold pressure within the vehicle intake manifold.

The manifold absolute pressure sensor is an integral part of the vehicle engine management system, located in the vehicle inlet manifold or throttle body assembly. The sensor converts the inlet vacuum (manifold pressure) into an electrical output voltage (analogue) or frequency (digital) as required by the ECU.

As manifold absolute pressure (MAP) can be directly related to engine load, the extent of the engine load at any point is crucial in correct vehicle engine management. An engine under a slight load will have low manifold pressure (high vacuum), requiring a leaner mixture and a less advanced (retarded) ignition timing. As the engine load increases, manifold pressure increases (lowering the vacuum) increasing the fuel required and advancing the ignition timing. The MAP sensor can be used in place of a MAF sensor and is essential in enabling the ECU to accurately control air/fuel delivery and ignition timing.

Low manifold pressure (high vacuum) indicates very little load, requiring a leaner mixture and a less advanced (retarded) ignition timing.

Design and Operation

The MAP sensor produces a variable electrical output signal voltage or frequency as a result of the manifold pressure within the vehicle intake manifold. The variable output signal from the MAP sensor combined with the engine speed sensor (RPM) and air temperature sensor enable the vehicle engine management system (ECU) to accurately control air/fuel ratio, ignition and valve timing.

The MAP sensor is critical for correct modern fuel injected motor vehicle engine operation. It accurately measures intake manifold pressure in ever changing engine conditions. The MAP sensor enables correct engine operation as a result of changes in air density, air temperature, altitude and forced induction due to speed.



The MAP sensor is a differential pressure sensor designed to sense the difference between atmospheric pressure and engine intake manifold pressure (vacuum). There are various styles of MAP sensors, modern sensors utilise piezo-resistor diaphragm or potentiometer design to deliver resistance/voltage changes as a result of change in manifold pressure.

Piezo-resistor diaphragm design MAP sensors consist of a calibrated flexible piezo electric (silicone) chip incorporated into the sensor diaphragm located in a sealed chamber, an inlet tube connected into the vehicle inlet manifold (either directly or with a vacuum hose). The piezo-resistor diaphragm divides the sealed chamber and the inlet manifold tube.

During operation, the diaphragm reacts to changes in manifold pressure; the movement of the diaphragm alters the resistance of the flexible piezo electric (silicone) chip delivering a change in the output signal voltage. The output signal voltage is processed by the ECU to determine manifold pressure (engine load) as required for correct operation of the engine management system.

Contact style MAP sensors use potentiometer design, utilising a sliding contact arm (wiper) that moves across an element (resistor/printed circuit). This type of sensor is basically a variable resistor, as the intake manifold pressure changes so does the resistance and therefore output voltage signal.

Contact style sensors can be prone to failure due to component wear, heat, corrosion or vibration. Wear as a result of the repetitive action of the wiper arm across the element is a common cause of failure.

Testing and Replacement

The manifold absolute pressure sensor is an integral part of a vehicle engine management system. A faulty, worn or inoperable manifold absolute pressure sensor may provide incorrect output voltage signals to the vehicle ECU leading to poor engine performance.

Common symptoms of a faulty, worn or inoperable MAP sensor may include illumination of the check engine light, poor fuel consumption, fuel delivery problems including 'lean or rich' mixture, poor engine performance, hesitation or stumble during acceleration, difficult starting, engine cut out, increased fuel consumption and increased exhaust emissions.

Testing and Diagnosis

- 1.** Check the vehicle system for intake manifold vacuum leaks. If no faults found check the MAP sensor operation.
- 2.** Check the manifold absolute pressure sensor for visible damage or debris contamination (carbon or oil deposits).

3. Check for correct manifold absolute pressure sensor operation;

■ With a scan tool;

- Check fault codes, a faulty manifold absolute pressure sensor may register a fault code.
- Analyse the barometric and fuel trim values on the scan tool, refer to manufacturer's specifications for codes, values and repair requirements.
- A faulty manifold absolute pressure sensor may also cause the check engine light to illuminate.

Note: A faulty MAP may register fault codes for other engine component faults.

■ Check manifold absolute pressure sensor wiring;

- Check the sensor plug and wiring for open or short circuits in wiring harness between the sensor and the ECU.
- Check the manifold absolute pressure sensor input/output signal using an oscilloscope or voltmeter. Typical input signal is 5V; the output voltage will decrease as the vacuum increases.
- Connect an oscilloscope or voltmeter in line with the sensor wiring plug or terminal, check the supply voltage and earth connection continuity. With the engine running check the sensor output signal across the entire throttle range. Tests can also be performed manually using a vacuum pump if the sensor is removed from the vehicle.
- If the input voltage or earth connection are not present check for wiring faults.
- If the input and earth connections are operational, check the output signal. If not present or not in line with the OEM specifications replace the MAP sensor.

Note: For correct manifold absolute pressure sensor resistance or voltage/frequency values refer to OEM specifications.

Removal and Installation

1. Remove the faulty or inoperable manifold absolute pressure sensor from its location.
2. Once the manifold absolute pressure sensor has been removed, check the inlet pipework for carbon or oil deposits.
3. Install the new manifold absolute pressure sensor; check that there are no vacuum leaks, ensure that electrical connections are free of corrosion and installed correctly.
4. Clear the vehicle ECU/fault codes. Perform a vehicle test on completion.

When a manifold absolute pressure sensor malfunction or fault is suspected the entire engine management system should be checked with the faults diagnosed and repairs carried out by a trained professional.

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electronic part finder

Additional vehicles and applications may have been introduced after the time of catalogue printing. For complete, up to date vehicle application listings refer to the Tridon website www.tridon.com.au (or www.tridon.co.nz) and go to **Tridon Part Finder**.

The Tridon Part Finder contains the most up to date vehicle information and parts applications. It is easy to use, just follow these steps to select the correct Tridon part:

Step 1: Go to www.tridon.com.au or www.tridon.co.nz

Step 2: Select Part Finder Tab

Step 3: Select Vehicle Make

Step 4: Select Vehicle Model

Step 5: Select Year

Step 6: Select the Series, Engine or Date

Step 7: Select the Tridon Part Required

The screenshot shows the Tridon Part Finder website interface. At the top, there is a navigation bar with links for HOME, PRODUCTS, PART FINDER, ABOUT TRIDON, CATALOGUES, VIDEOS, and CONTACT US. Below this is a large yellow banner with the TRIDON logo and a search bar. A secondary banner lists various vehicle brands: TRIDON, TORCO, Sykes-Pickavant, KNIPEX, RENNSTEIG, AkzoService, HIT, and METRINCH.

The main content area is titled 'PART FINDER' and includes a 'PRODUCTS' sidebar with categories like TRIDON, TORCO, SYKES-PICKAVANT, KNIPEX, HIT, METRINCH, RENNSTEIG, GAZ, VITREX, BATESERVICE, and MERCHANDISERS. The central search area is titled 'SEARCH - BY VEHICLE' and contains dropdown menus for Make (Holden), Model (Commodore), and Year (2008). Below this is a 'REFINE RESULTS' section with dropdowns for Series (All), Cylinders (All), and Capacity (All). A 'FILTER APPLICATION(S)' section lists various categories with checkboxes, including ALL, Automotive Clips, Cable Ties, Wiper, Engine Management, Fasteners & Nuts, Glow Plug, Head Covers, Ignition, Malley Scoopcase, Merchandisers, Switches & Sensors, and Thermostats & Gaskets.

The search results for 'Holden Commodore, SV6, VE, 3.6L, DOHC, Petrol, 07/06 - 08/09' are displayed in a table:

PART NO.	QTY	LOCATION	YEAR START	YEAR FINISH	COMENTS
TCAS184	4	Cylinder Head			
TCAS300	1	Cylinder Block			
TIC252	6	Coil on plug			Pencil type coil, 6 required per vehicle
TKS052	1	Cylinder Block			Check illustration for correct application
TKS080	2	Cylinder Block			Check illustration for correct application
TAF106	1	Air Duct			Check illustration for correct application
TAF135	1	Air Duct			

For illustration purposes only. Please refer to Tridon website.



Hose Clamps

- Perforated Band Clamps
- Solid Band Clamps
- T-Bolt Clamps
- Double Ear & Rubber Lined Clamps
- Spring Lock Clamps
- Preform Band & Uniband Clamps
- Vinyl Coated Clamps
- Specialised Clamping Solutions

Thermostat

- Thermostats (including High-Flow)
- Thermostat Gaskets

Automotive Caps

- Radiator, Oil Caps & Fuel Caps

Ignition Parts

- Ignition Coils
- Ignition Modules
- Crank & Cam Angle Sensors
- Pick Up Coils

Engine Management

- Knock Sensors
- Throttle Position Sensors
- Idle Air Control Valves
- Mass Air Flow Sensors
- Manifold Absolute Pressure Sensors
- Oxygen Sensors

Switches and Sensors

- Oil Pressure Senders & Sensors
- Water Temperature Senders
- Coolant Temperature Sensors
- Thermo Fan Switches
- Stop Light Switches
- Reverse Light Switches

Diesel Parts

- Glow Plugs

Windscreen Wipers

- FlexBlade® Wiper Blades
- CurveBlade® Wiper Blades
- Complete Front & Rear Wiper Blades
- Plastic & Metal Wiper Refills

Electrical

- Electronic & Thermal Flashers
- General Relays
- Battery Terminals

Cable Ties

- Nylon & Stainless Steel

Driveway Service Products

- Mallory Window Squeegees



Workshop Tools

- Banding, Clamping & Hose
- Cleaning, Cutting & Shaping
- Diagnostic & Inspection
- Files, Knives & Scissors
- Impact & Striking
- Organisers, Identifiers & Storage
- Panel & Trim
- Pliers, Scrapers & Wrenches
- Screwdrivers, Sockets & Bits
- Sloggers & Podgers

Mechanical Service Tools

- A/C, Brake & Bearing
- Clutch & Transmission
- Cooling System
- Engine & Exhaust
- Fuel, Hose & Pipe
- Suspension & Steering
- Tyre & Wheel
- Timing Tools

Measuring & Precision

- Balances, Calipers & Dividers
- Protractors, Rules & Squares
- Taper Gauges & Tapes

Electrical Service Tools

- Battery, Circuit & Voltage
- Dashboard & Radio
- Ignition & Spark Plug

Lubrication Tools

- Cans, Funnels, Pans, Pumps & Syphons
- Grease Guns & Nipples

Pulling & Extracting

- Automotive, Bearing & Split Collet
- Mechanical & Hydraulic



- Sockets & Spanners



- Chisels & Punches
- Scrapers & Wrecking Bars
- Screw Extractors



- Motorcycle Service Tools
- Maintenance Specialty Tools



- Combination Pliers
- Circlip Pliers
- Water Pump Pliers
- Cutting Nippers
- Carpenter's Pincers
- Concreter's Nippers
- Gripping Pliers
- Cable & Wire Rope Cutters
- Pipe Wrenches
- Tweezers
- Insulated Tools (1000V), Photovoltaic Tools
- Electronic Pliers



Powertrain Tools

- Engine & Transmission
- Cooling, Fuel & Exhaust

Chassis Tools

- Brakes, Steering & Suspension
- Wheel & Tyre

Body Tools

- Body Repair Tools, Hole Cutters
- Sheet Metal & Edge Setters

Workshop Tools

- Electrical, Inspection
- Stud & Nut

Torque Tools

- Wrenches, Angle Gauges
- Multipliers, Screwdrivers

Pullers

- Mechanical, Hydraulic
- Loadstar Heavy Duty
- Slide Hammer, Hub & Stud
- Puller Boards

Hydraulics

- Pumps, Cylinders
- Jack & Press Kits



- Bolt Cutters, Angular Cutters
- Rod Cutters & Benders
- Cable Cutters
- Concrete Mesh Cutters
- Swaging/Crimping
- Pocket Cutters
- Wire Rope Cutters

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