



Techni
ENGINEERING SOLUTIONS

VOLKSWAGEN CADDY MK IV
2.0L TDI EURO 6
75 / 102 / 150 PS

CODE / CODICE: 0500.8052

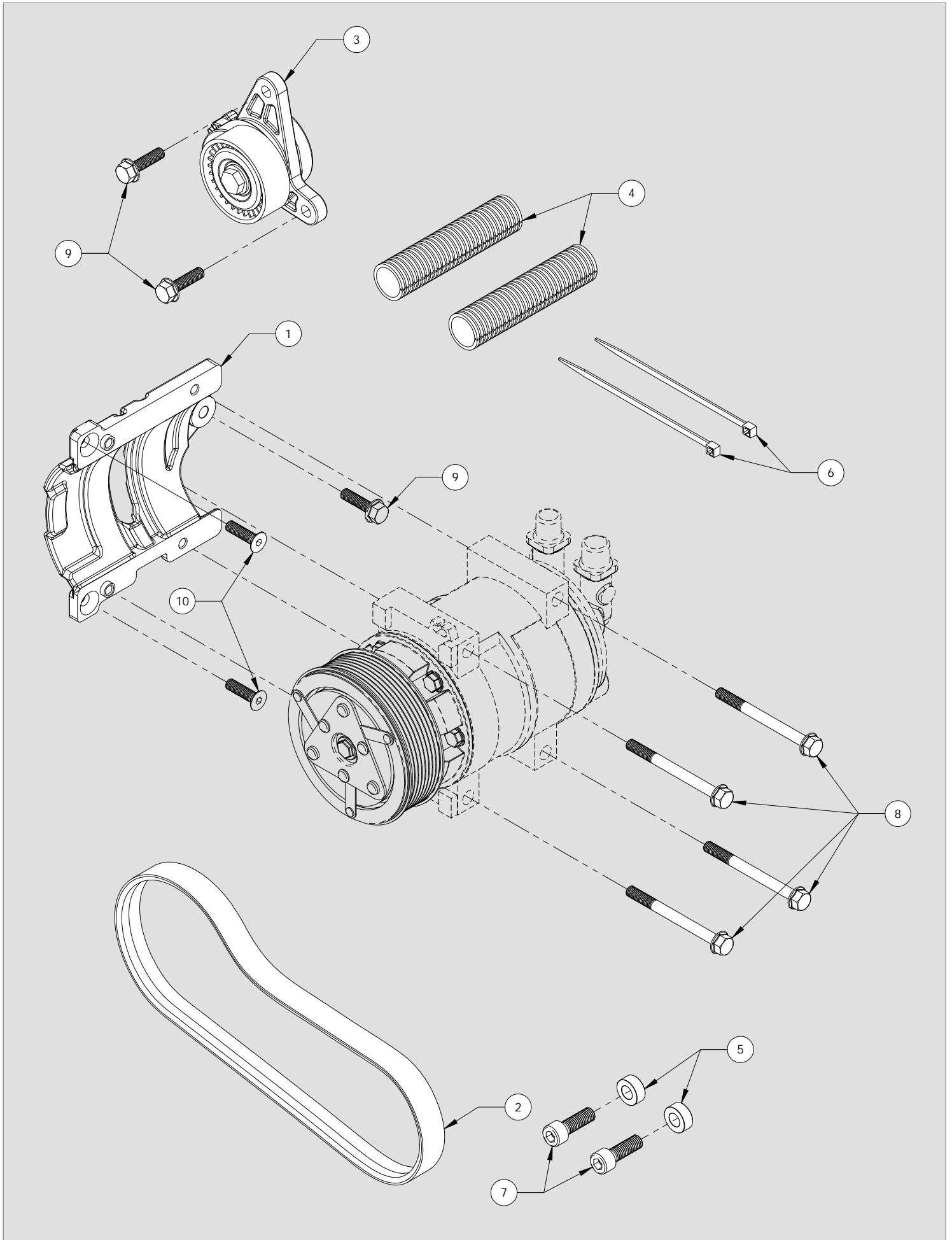
**COMPRESSOR / COMPRESSEUR / KOMPRES-
SOR / COMPRESSORE / COMPRESOR :
SELTEC TM15
QUE QP15**

**FITTING INSTRUCTIONS
EINBAUANLEITUNGEN
INSTRUCTIONS POUR LE MONTAGE
ISTRUZIONI DI MONTAGGIO
INSTRUCCIONES DE MONTAJE**

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PARTS VIEW / VUE ÉCLATÉE / TEILEANSICHT / VISTA PARTA / IMÁGENES DE LAS PIEZAS



PARTS LIST / NOMENCLATURE / TEILELISTE / ELENCO DELLE PARTI / LISTA DE PIEZAS

ITEM	CODE / CODICE / KODE / CODIGO	DESCRIPTION / DESCRIZIONE / BESCHREIBUNG / DESCRIPCION	QTY.	COMMENTS
1	0440.5036	CMB - VW 2.0 E6 No A/C - TM15 Direct	1	
2	0820.1201	Belt - Poly Groove 6PK 1050	1	
3	1705.5071	Automatic Tensioner	1	
4	1430.0092	Nylon Split Tube	2	
5	2803.6021	Spacer - 20.00 OD x 10.40 ID x 8.30	2	
6	2763.0051	Cable Tie 4.8 x 370 - Black	2	
7	2705.5071	Socket cap screw M10 x 30 : 1.50 - 12.9	2	
8	2704.5381	Hex flange bolt - M8 x 90 : 1.25 - 8.8	4	
9	2704.0091	Hex flange bolt Durluk - M8 x 30 : 1.25 - 12.9	3	
10	2704.5351	Flat Countersunk Head Cap Screw M8 x 30 : 1.25	2	

**COMPATIBLE COMPRESSORS / COMPRESSEURS RECOMMANDÉS / EMPFOHLENE KOMPRESSOREN
RACCOMANDATO COMPRESSORI / RECOMENDADAS COMPRESORES**

SELTEC	TM-13 HS	TM-15 HS	TM-16 HS
Comp No	-	0381.5202	-
Valeo No.	-	-	-
Mounting	-	Direct	-
Rotor	-	8PV	-
GL	-	74.66mm	-
Armature	-	SL	-
Diameter	-	123	-
Voltage	-	12	-
Orientation	-	V	-
Fitting	-	3/4 x 7/8	-
Manifold	-	Bolt On	-

QUE	QP-13 HS	QP-15 HS	QP-16 HS
Comp No	-	0391.5202	-
Que No.	-	-	-
Mounting	-	Direct	-
Rotor	-	8PV	-
GL	-	74.66mm	-
Armature	-	SL	-
Diameter	-	123	-
Voltage	-	12	-
Orientation	-	V	-
Fitting	-	3/4 x 7/8	-
Manifold	-	Bolt On	-

SANDEN	-	-	-
Comp No	-	-	-
Sanden No.	-	-	-
Mounting	-	-	-
Rotor	-	-	-
GL	-	-	-
Armature	-	-	-
Diameter	-	-	-
Voltage	-	-	-
Orientation	-	-	-
Fitting	-	-	-

NOTES

STANDARD FASTENER TORQUE VALUES

In the absence of specific torque values detailed in this fitting instruction manual, the following chart can be used as a guide to the maximum safe torque for specific size and grade of fastener.

COUPLES DE SERRAGE DES FIXATIONS STANDARDS

Si des chiffres de serrage au couple particuliers ne sont pas indiqués dans cette notice de montage, se référer au tableau suivant qui servira de guide pour le couple de sécurité maximum correspondant à une taille et un grade spécifiques de fixation.

ANZIEHMOMENTE FÜR STANDARDBEFESTIGUNGSMITTEL





Falls in dieser Einbauanleitung keine speziellen Anziehmomente angegeben sind, kann die folgende Tabelle als Richtlinie für das maximale sichere Anziehmoment für eine spezifische Größe oder Qualität von Befestigungsmitteln dienen.

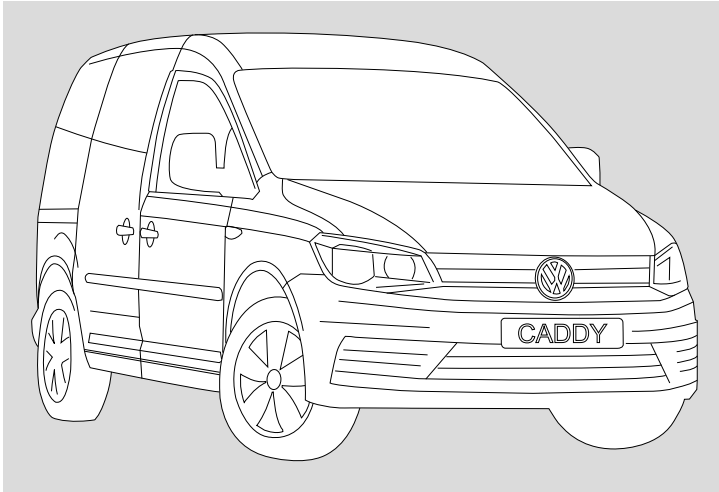
VALORI STANDARD DI SERRAGGIO PER DISPOSITIVI DI FISSAGGIO

In assenza di valori specifici di coppia nel presente manuale di istruzioni, si può utilizzare la seguente tabella come guida per conoscere la coppia massima sicura in base a dimensioni e grado del dispositivo di fissaggio.

VALORES ESTÁNDAR DE LOS PARES DE APRIETE Y FIJACIÓN

En ausencia de valores para los pares de apriete específicos detallados en este manual de instrucciones de montaje, se puede utilizar la siguiente tabla como guía para consultar el máximo par de torsión seguro para un tamaño concreto y su grado de fijación.

STRENGTH								
	Max Torque		Max Torque		Max Torque		Max Torque	
Dia / Pitch	lb.ft	Nm	lb.ft	Nm	lb.ft	Nm	lb.ft	Nm
M5 x 0.80	2	3	4.5	6	6.5	9	7.5	10
M6 x 1.00	4	5.5	7.5	10	11	15	13	18
M8 x 1.25	10	13	18	25	26	35	33	45
M10 x 1.25	20	27	39	53	57	78	66	90
M10 x 1.50	18	25	37	50	55	73	63	86
M12 x 1.75	33	45	63	85	97	130	111	150
M14 x 2.00	55	75	103	140	151	205	177	240
M16 x 2.00	85	115	159	215	232	315	273	370



VEHICLE DETAILS

Manufacturer	Volkswagen
Make	Caddy MkIV
Model	2.0L Tdi Euro 6
Engine CC	1968 cc
Engine Details	75 / 102 / 150 PS
Year	05.2015>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	12v

KIT DETAILS

Kit Part Number	0500.8052
Description	Standard Kit
Compressor RPM	4350 @ Max engine power output
Fitting Time	60 Minutes
Suction Fitting	90°
Discharge Fitting	90°
Belt Type	6PK 1050
Belt Part Number	0820.1201



NOTE: In vehicles without air conditioning, it is necessary to recode the engine control unit when an ancillary (this mount kit combined with a compressor) is retrofitted. This operation needs to be performed by a VW dealer.

FOREWORD

The purpose of this manual is to facilitate the installation of a direct drive compressor. The information given is merely instructive, should any complications arise contact the Technical department. The manufacturer's warranty does not cover any problems caused by defective installation or alterations made unless authorised. The manufacturer shall not be responsible for any injury, damage or loss caused directly or indirectly as a result of using this manual or the information contained within it.

1 SAFETY MEASURES:

Before fitting the Compressor adapter drive kit, ensure the following for damage:

- a Inner and outer trim and body work
- b Engine idle pace
- c Check all the vehicle functions

Check list:

- a Ensure that the right kit has been selected
- b Before installing, check that all the correct pieces are present; also ensure that there are no missing or broken pieces
- c When fitting, make sure the vehicle is properly protected against damage.

Installation apparatus

- a Calibrated torque wrench
- b Hand service tools
- c Protective covers and shields

2 PRECAUTIONS

- a Detach the battery negative lead.
- b Torque all bolts where stated using a calibrated torque wrench.
- c Take extreme care with moving parts.
- d Remove the vehicle's ignition key and keep it with you.
- e Wear safeguards and make sure that liquid refrigerant never touches your skin

Caution: Measures must be followed accurately to steer clear of the possibility of damage to individuals

Warning: This calls awareness to actions which must be pursued to avoid damage to the components.

NB: This calls awareness to make the job easier or gives useful information.

PRE-INSTALLATION

N.B Prior to commencing work, please examine the instructions with care. The alphabetical symbols on the diagram relate to written instructions, numerical symbols relate to the parts listing.

INSTALLATION

1. Remove and discard the original stretch belt
2. Install the supplied automatic belt tensioner (3) to the alternator mount bracket at positions (A) - Fig 1

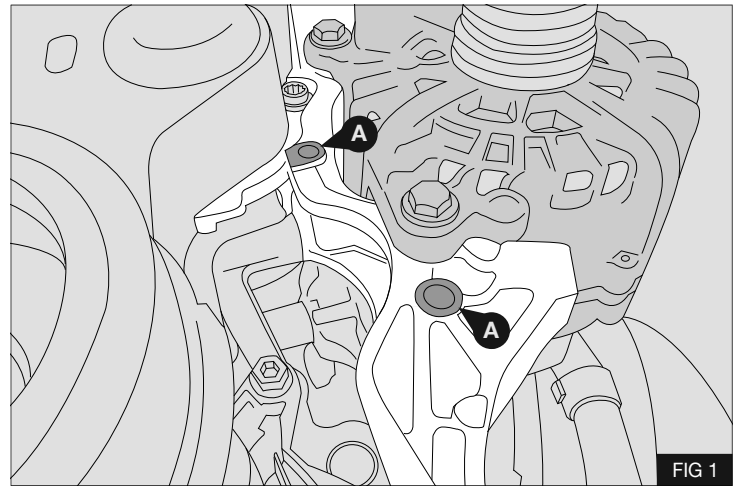


FIG 1

3. Secure the automatic tensioner (3) using 2x M8x30 bolts (9) - Fig 2

Torque M8x30 bolts (9) to 25 Nm / 18.4 lb-ft

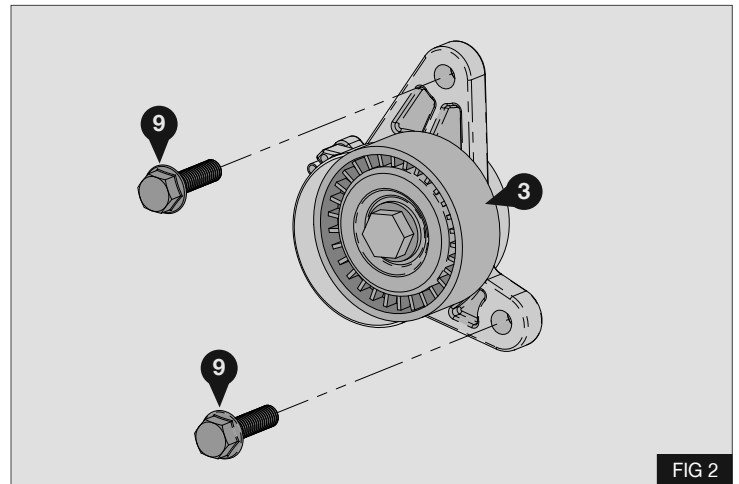


FIG 2

4. Disconnect the wiring from the electric water pump (B) located in front of the oil sump - Fig 3
5. Remove and retain the 3 x T10 screws (C) securing the water pump (B) to the bracket (D) - Fig 3

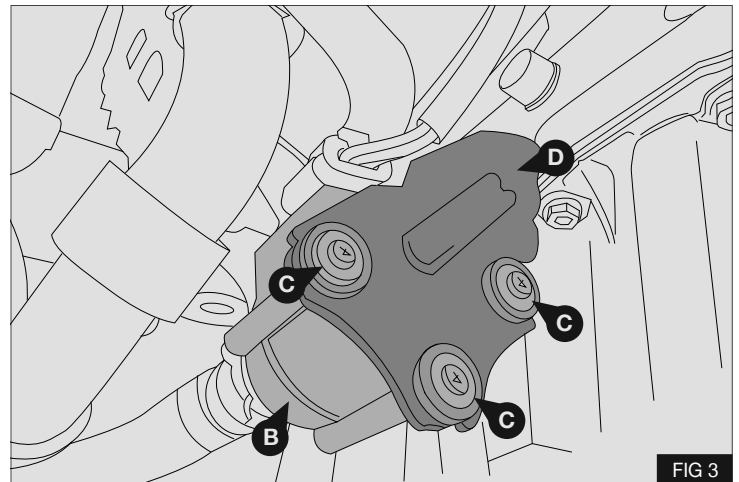


FIG 3

6. Make a note of the hose / loom locations attached to bracket (D). Release the two water hoses (E) and the wiring loom (F) from bracket (D) - Fig 4
7. Remove and discard bolt (G) and remove bracket (D) from the vehicle - Fig 4

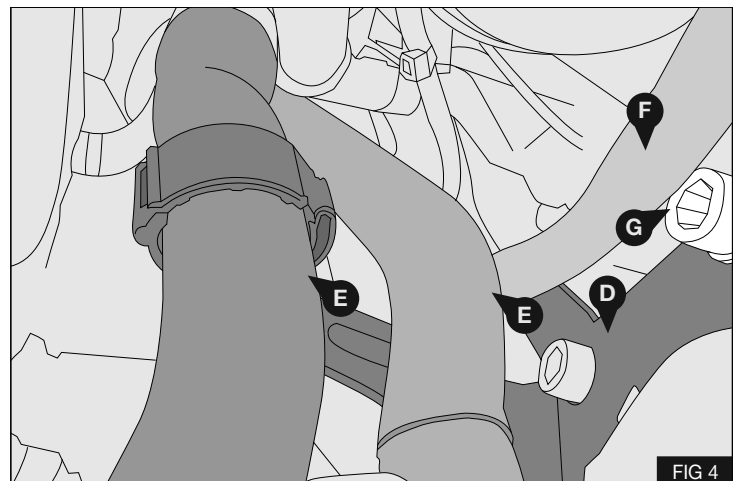
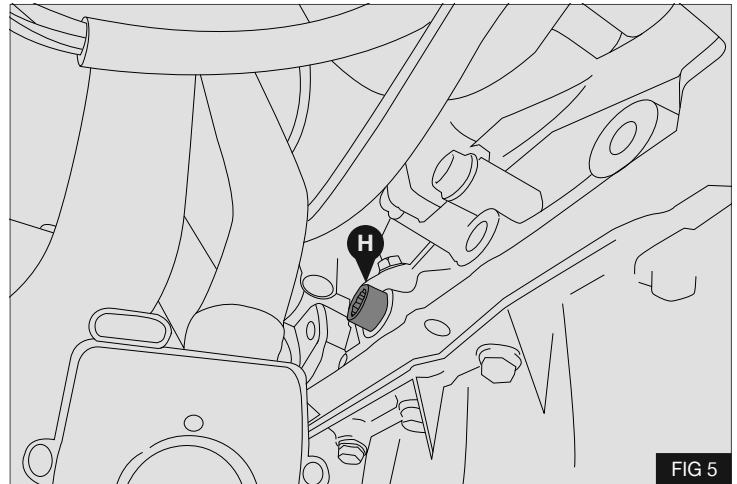


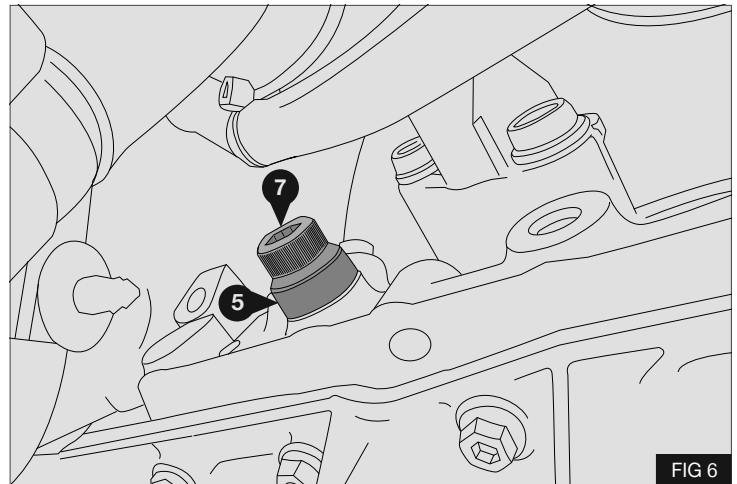
FIG 4

8. Remove and discard M10 bolt (H) that was used to orientate bracket (D) - Fig 5

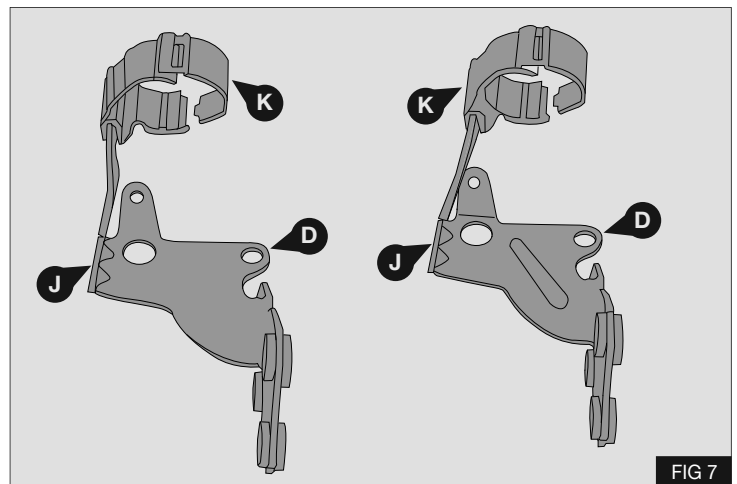


9. Fit the supplied M10x30 bolt (7) with spacer (5) to the location where bolt (H) was previously removed - Fig 6

Torque bolt (7) to 45Nm / 32lb Ft



10. Increase the bend of bracket (D) at location (J). The resulting modification should move the hose clip (K) 10 - 15mm to the right in the orientation as shown - Fig 7

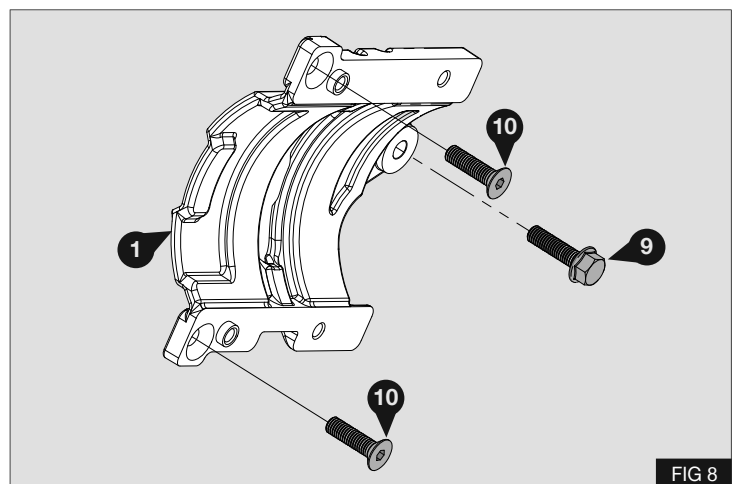


MOUNT BRACKET INSTALLATION

1. Install the supplied mount bracket (1) to the position where the original AC compressor would be installed. Secure using 2x M8 countersunk bolts (10) and 1 x M8x30 bolt (9) - Fig 8

Torque the 2 x M8 countersunk bolts (10) to 20 Nm / 15 lb-ft

Torque the M8 bolt (9) to 29 Nm / 22 lb-ft

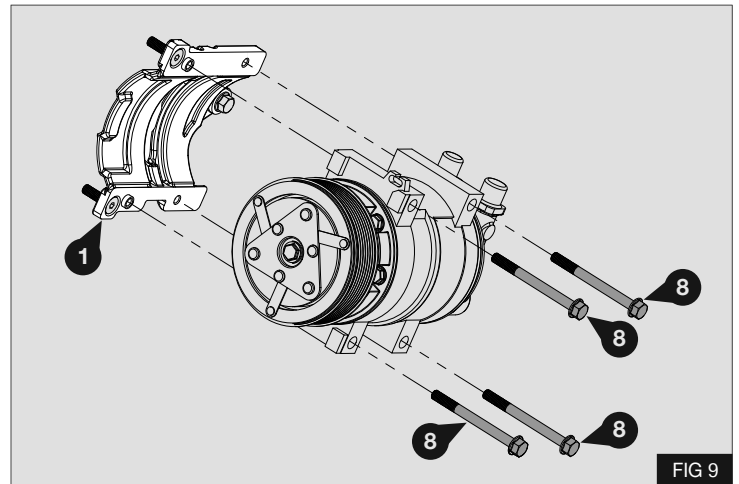


COMPRESSOR INSTALLATION

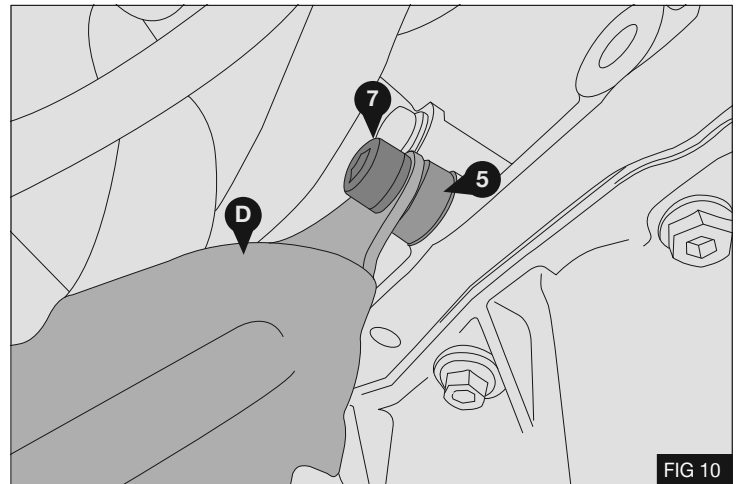
1. Secure the compressor to the mount bracket (1) using 4x bolts (8) - Fig 9

Torque 4x M8x90 bolts (8) to 25 Nm / 18.4 lb-ft

Note: To aid installation it is recommended that the refrigerant hoses are attached to the compressor at this point before the water hoses are re-secured to the engine.

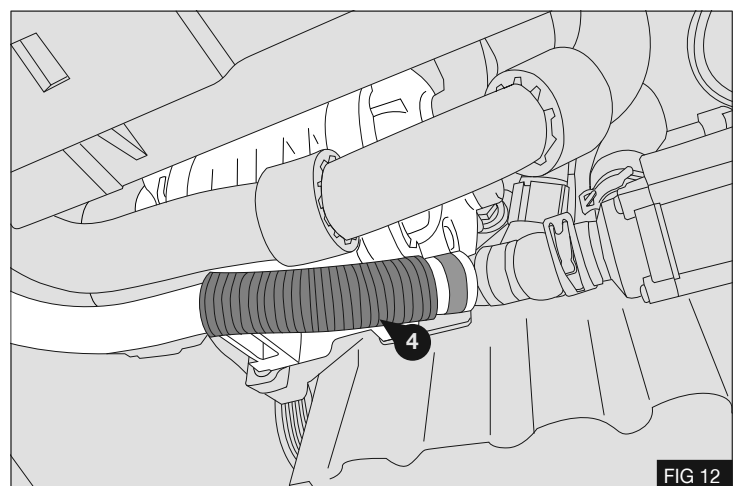
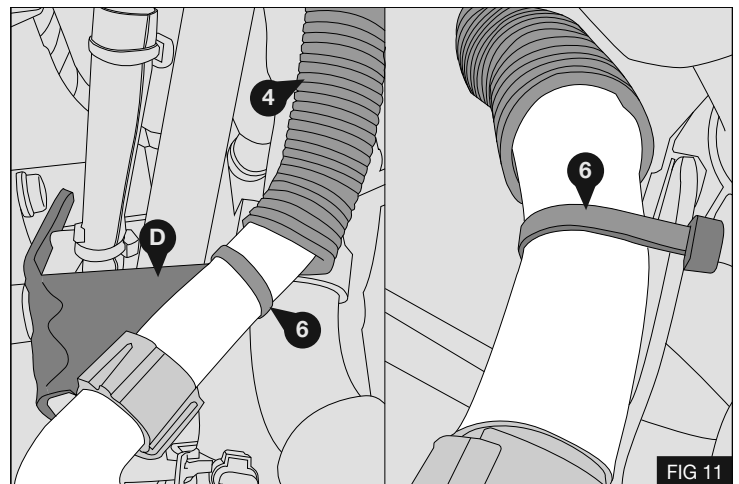


2. Refit the hose bracket (D) using supplied bolt (7) with spacer (5) located between the bracket and the engine block - Fig 10
3. Re-attach the water pump / water hoses and alternator loom to the bracket (D).



Note: Fig 11 shows the compressor and bracket removed for clarity.

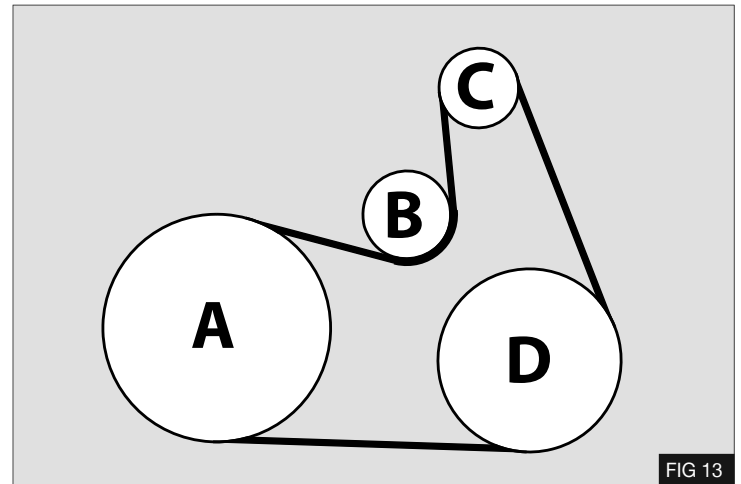
4. Using the supplied cable tie (6) secure the smaller diameter water hose to the bracket (D) at a position approximately 50mm above the original hose clip as shown opposite (side and front views shown) - Fig 11
5. Place a length of the supplied nylon split tubing (4) over the smaller hose as shown in the location close to the compressor manifold - Fig 11
6. Fit the remaining length of nylon split tubing (4) over the smaller diameter water hose running underneath the compressor as shown opposite - Fig 12



DRIVE BELT INSTALLATION

1. Fit the supplied drive belt (2) as shown opposite - Fig 13

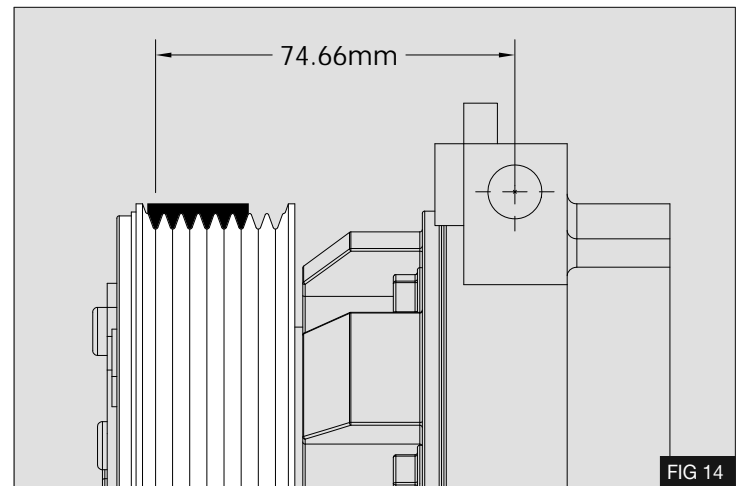
A – Crank pulley
B – Tensioner
C – Alternator
D - Compressor



2. Place the belt in the front 6 grooves on the compressor as shown opposite - Fig 14
3. Using a suitable tool turn the tensioner pulley slightly anti clockwise and remove the locking pin and slowly allow the tensioner to take up the belt tension.

FINISH

1. Run the engine with the compressor clutch engaged for five minutes, Check all components.
2. Install the supplied belt label in the engine bay.



NOTE: In vehicles without air conditioning, it is necessary to recode the engine control unit when an ancillary (this mount kit combined with a compressor) is retrofitted. This operation needs to be performed by a VW dealer.

(EN)

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