



Techni
ENGINEERING SOLUTIONS

FORD NEW CONNECT 1.5/1.6 DURATORQ TDCI

STAGE 5 (E5) DV6 75/95/115 PS

STAGE 6 (E6) DV6 75/100/120 PS

200, 210, 220, 230, 240 L1/L2

CODE / CODICE: 0500.7282

**COMPRESSOR / COMPRESSEUR / KOMPRES-
SOR / COMPRESSORE / COMPRESOR :**

SELTEC SP13 / 15

QUE QP13 / 15

FITTING INSTRUCTIONS

EINBAUANLEITUNGEN

INSTRUCTIONS POUR LE MONTAGE

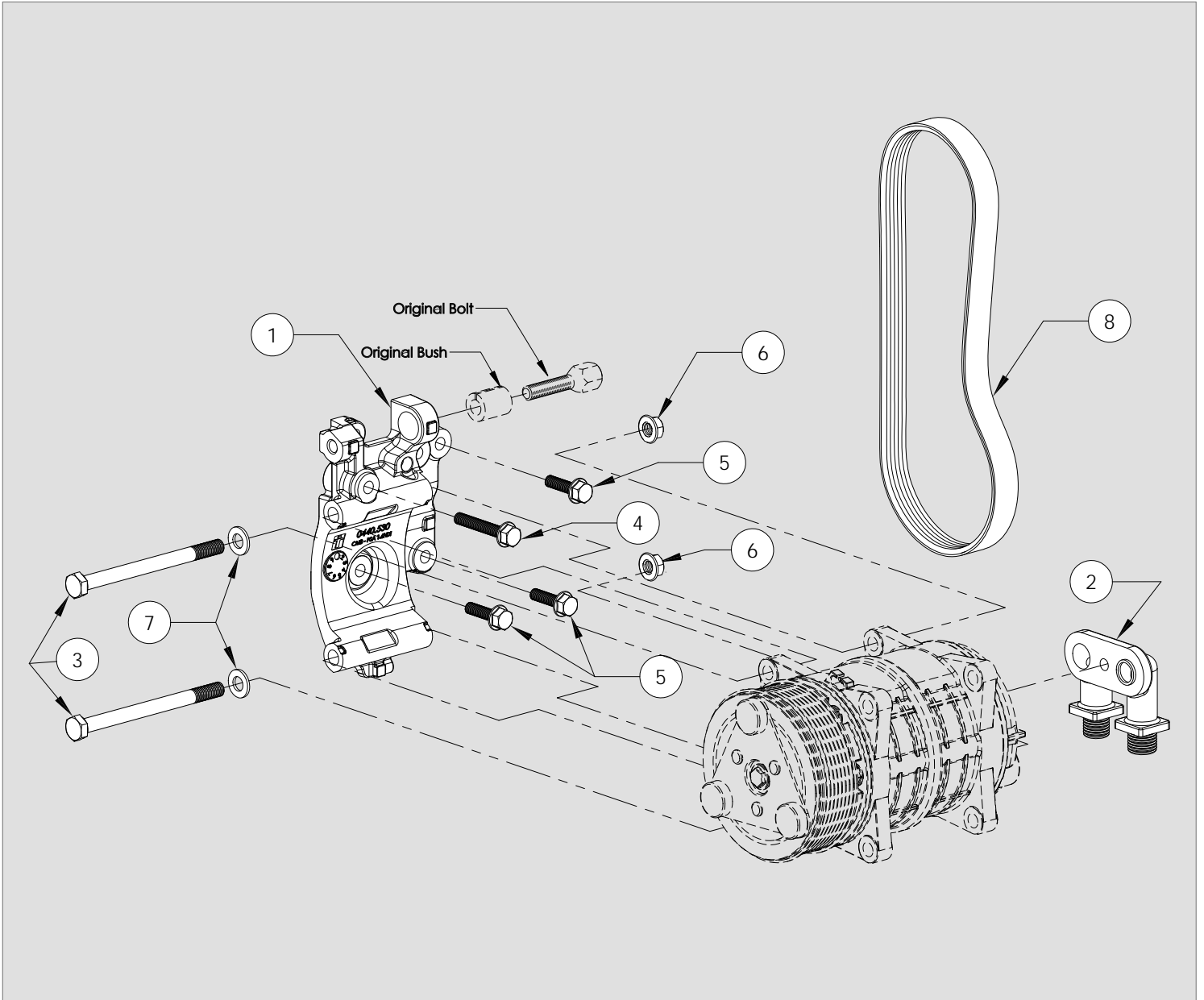
ISTRUZIONI DI MONTAGGIO

INSTRUCCIONES DE MONTAJE

Contents

ENGLISH	4
Parts View.....	4
Parts List	5
Compressor Configurations	6
Standard Fastener Torque Values	6
Kit Details	7
Vehicle Details	7
Forward	7
Pre Installation.....	8
Mount Bracket Installation	9
Compressor Installation.....	10
Drive Belt.....	10
Finish	10

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	0440.5301	Compressor Mount Bracket	1	
2	0425.0251	Manifold Inverted - 3/4 x 7/8 Insert O-Ring	1	
3	2705.0531	Hex head bolt M10 x 130 : 1.50 - 10.9	2	
4	2704.0101	Hex flange bolt - M8 x 50 : 1.25 - 10.9	1	
5	2704.0091	Hex flange bolt Durlok - M8 x 30 : 1.25 - 12.9	3	
6	2735.0071	Durlok Hexagon Flange Nut - M10 : 1.50	2	
7	2809.0011	Washer M10 Flat DIN 125 - A 10.5	2	
8	0820.6321	Belt - Poly Groove 6PK 986	1	

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

SELTEC	TM-13 HS	TM15-HS	-
Comp No	0381.0202	0381.0002	-
Valeo No.	488-45120	488-55120	-
Mounting	Ear	Ear	-
Rotor	8PV	8PV	-
GL	-	-	-
Armature	3E	3E	-
Diameter	123	123	-
Voltage	12	12	-
Orientation	V	V	-
Fitting	3/4 x 7/8	3/4 x 7/8	-
Manifold	Bolt	Bolt	-

QUE	QP13-HD	QP15-HD	-
Comp No	0391.0202	0391.0002	-
Que No.	QP13-1302	QP15-1171	-
Mounting	Ear	Ear	-
Rotor	8PV	8PV	-
GL	-	-	-
Armature	3E	3E	-
Diameter	123	123	-
Voltage	12	12	-
Orientation	V	V	-
Fitting	3/4 x 7/8	3/4 x 7/8	-
Manifold	Bolt	Bolt	-

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.

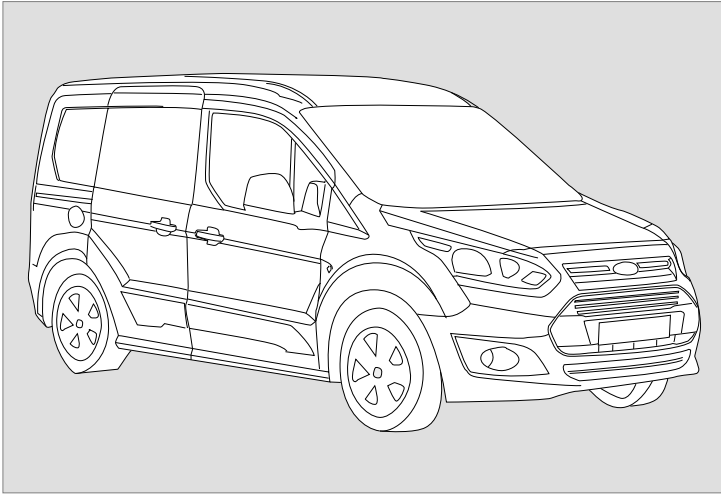
VALORI STANDARD DI SERRAGGIO PER DISPOSITIVI DI FISSAGGIO

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	Ford
Make	New Connect
Model	200, 210, 220, 230, 240 L1/L2
Engine	1.5/1.6 Duratorq TDCI
Engine Details	Stage 5 (E5) DV6 75/95/115 PS Stage 6 (E6) DV6 75/100/120 PS
Year	01/2014 >
Chassis Nos.	NA
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	12v

KIT DETAILS

Kit Part No.	0500.7282
Description	Standard Kit
Compressor RPM	4600 @ Max Engine
Power Output	
Fitting Time	60 Minutes
Suction Fitting	90°
Discharge Fitting	90°
Belt Type	6PK 986
Belt Part No.	0820.6321

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.

REMOVE THE FOLLOWING PARTS.

1. Remove the engine under panel (8 x Torx Screws)
2. Remove the washer bottle filler bracket (A) from the slam panel to allow better access to the automatic belt tensioner – Fig 1
3. Turn the automatic tensioner (B) clockwise and insert a pin to lock the tensioner in the open position - Fig 2
4. Remove and discard the original drive belt (C) - Fig 2
5. Remove and retain the 4 x M6 bolts (D) and the heat shield (E) from the exhaust system - Fig 3
6. Loosen the clamp (F) securing the exhaust to the turbo charger - Fig 4

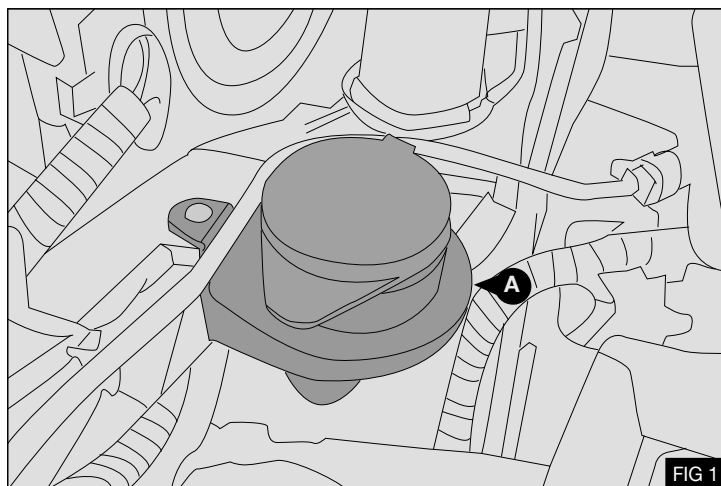


FIG 1

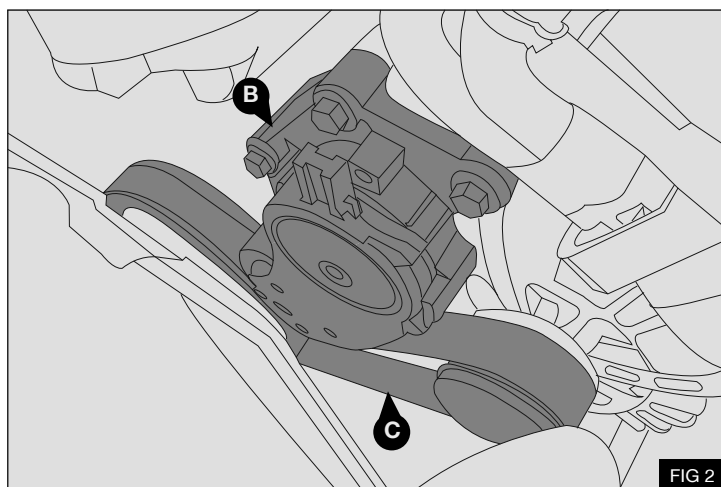


FIG 2

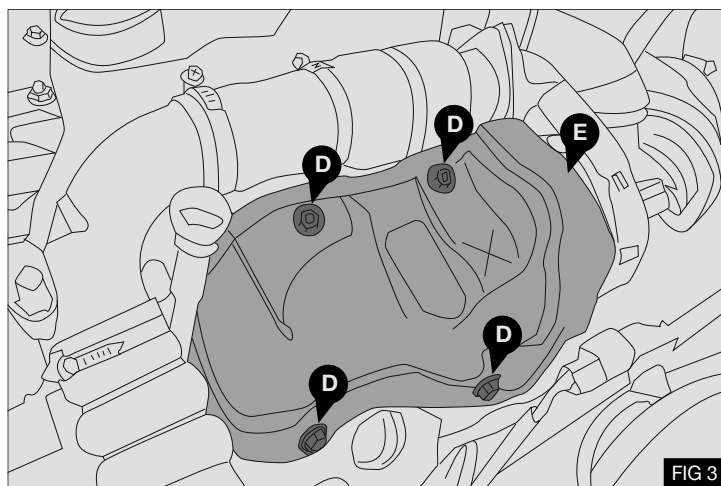


FIG 3

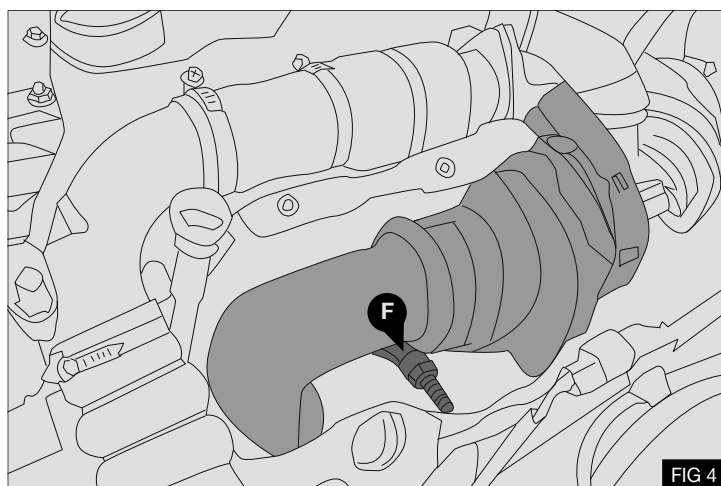
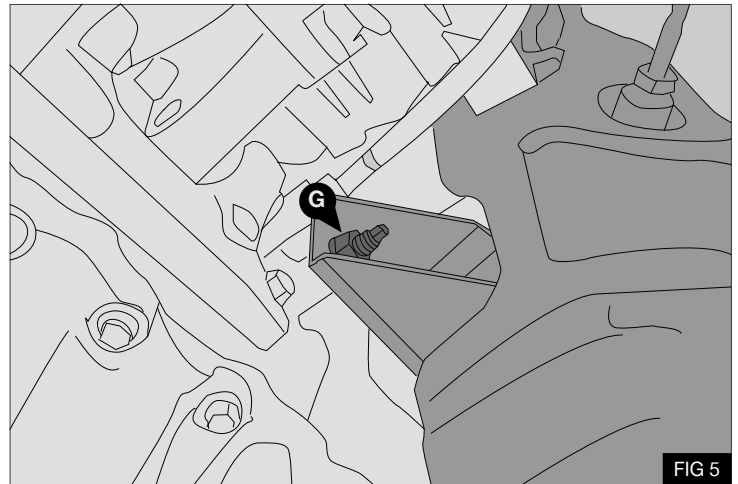


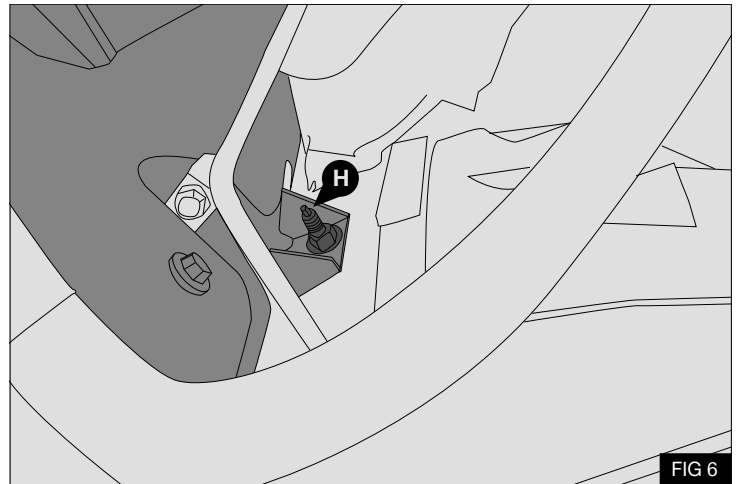
FIG 4

- Remove and retain the M8 nut (G) securing the exhaust mounting - Fig 5

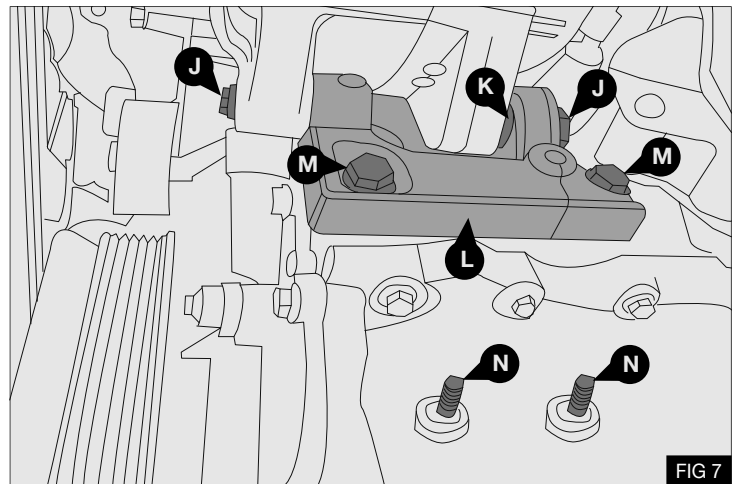


- Remove and retain the M8 nut (H) securing the exhaust mounting - Fig 6

N.B The following procedure requires the exhaust silencer to be moved slightly in order to remove the original bolts. Only move by the minimum amount required to gain access.



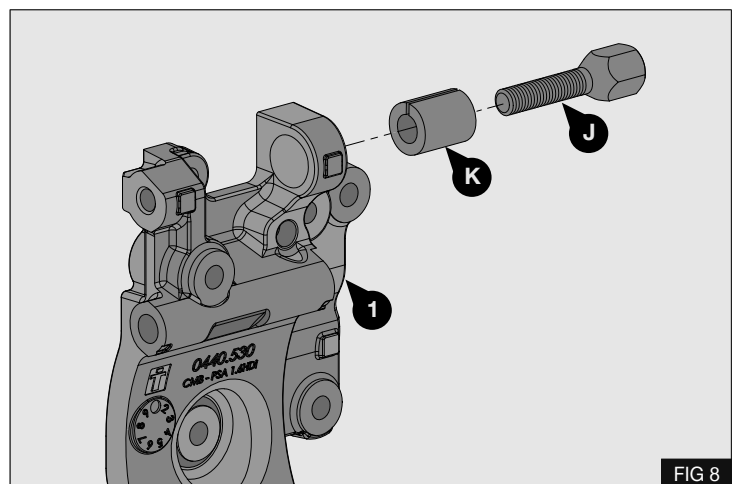
- Remove and retain the 2 x fasteners (J) and sliding bush (K) securing the alternator to the mount bracket (L) - Fig 7
- Remove and discard the 2 x M8 bolts (M) securing the alternator mount bracket (L) - Fig 7
- Remove and discard the alternator mount bracket (L) - Fig 7
- Ensure that the 2 x dowels behind bracket (L) stay in the engine block. Remove the 2 x M8 studs (N) from the engine block - Fig 7








MOUNT BRACKET INSTALLATION








- Place the previously removed sliding bush (K) and rear alternator bolt (J) into the supplied mount bracket (1) - Fig 8

Warning: Do not use "Loctite" on any bolt unless stated - This will void the Compressor Mount Bracket Warranty.



- Fit the bracket  to the 2 x dowels in the engine block and secure with bolts  and  – Fig 9

Torque bolts  and  to 25Nm / 18.5lb ft using a calibrated torque wrench.

- Secure the alternator to the bracket  using the 2 x original fasteners  in the original positions. Torque these fasteners to 45Nm / 33lb ft
- Refit the 2 x original nuts  securing the exhaust mount.
- Re-tighten the clamp  securing the exhaust to the turbo charger.
- Refit the exhaust heat shield  using original bolts .
- Fit the supplied inverted manifold  to the compressor.

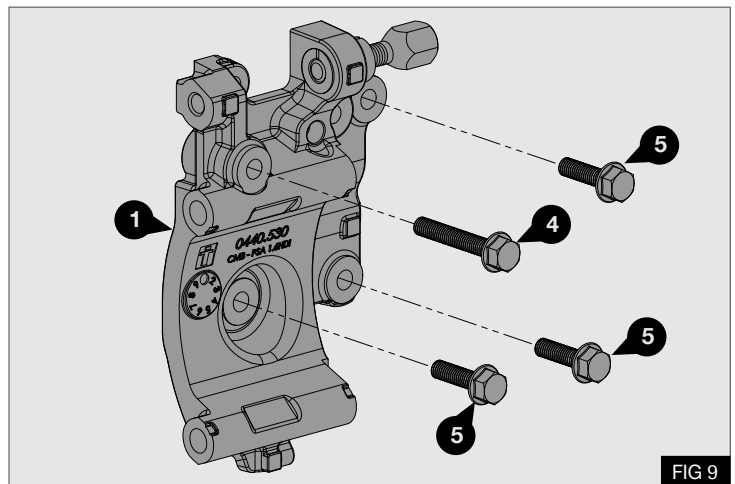







FIG 9

COMPRESSOR INSTALLATION

- Install the compressor to the mount bracket  using the supplied bolts  fitted with washers  and nuts . Torque bolts  to 58 Nm / 43lb ft using a calibrated torque wrench - Fig 10

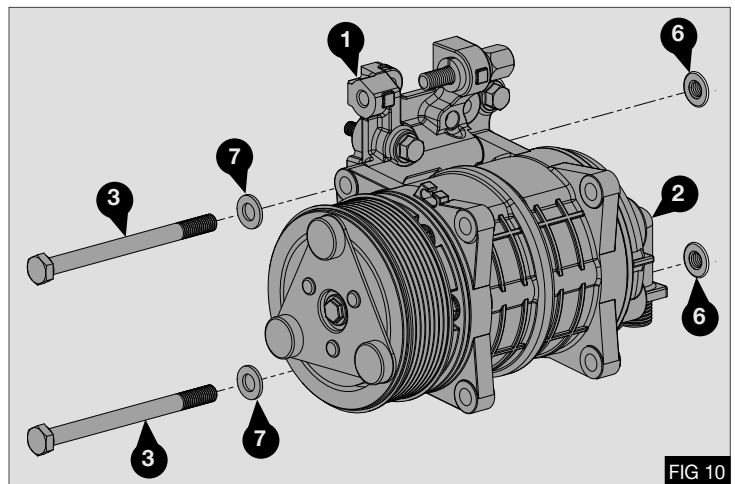


FIG 10

DRIVE BELT

- Install the supplied drive belt  as shown opposite – Fig 11

- A Crankshaft pulley
- B Tensioner
- C Alternator
- D Compressor

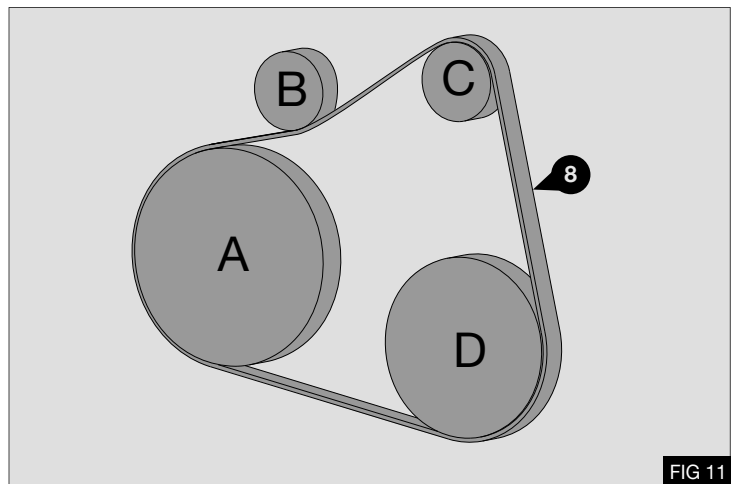


FIG 11

Warning: Fit the drive belt on the rear groove of the compressor clutch (Seltec / Que PV8) as shown opposite – Fig 12

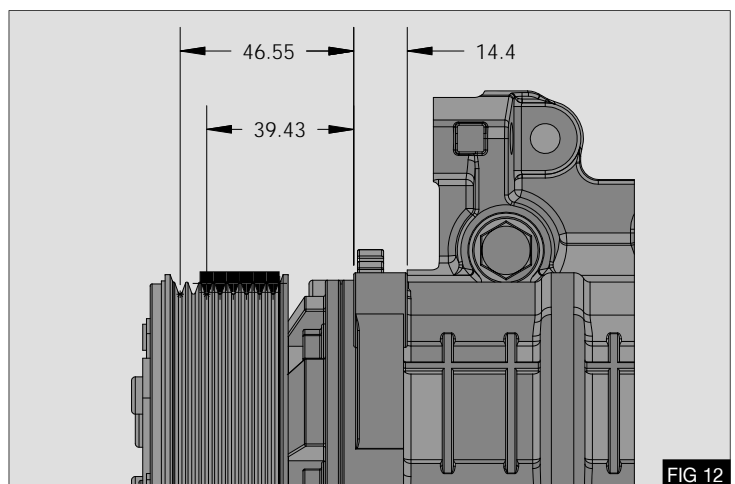


FIG 12

FINISH

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



(EN)

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