

**IVECO DAILY 2.3L EURO 5/6 / EEV**

29L11/13/15, 35S11/13/15, 35C11/13, 40C11/13  
35-120, 35-140, 35-160 INC. HI-MATIC

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**CODE / CODICE: 0500.6942**

**COMPRESSOR / COMPRESSEUR /  
KOMPRESSOR / COMPRESSORE / COMPRESOR:**

VALEO : TM13 /15 / 16

QUE : QP13 /15 / 16

SANDEN : SD7H15

DELPHI SP15

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**FITTING INSTRUCTIONS**

**EINBAUANLEITUNGEN**

**INSTRUCTIONS POUR LE MONTAGE**

**ISTRUZIONI DI MONTAGGIO**

**INSTRUCCIONES DE MONTAJE**

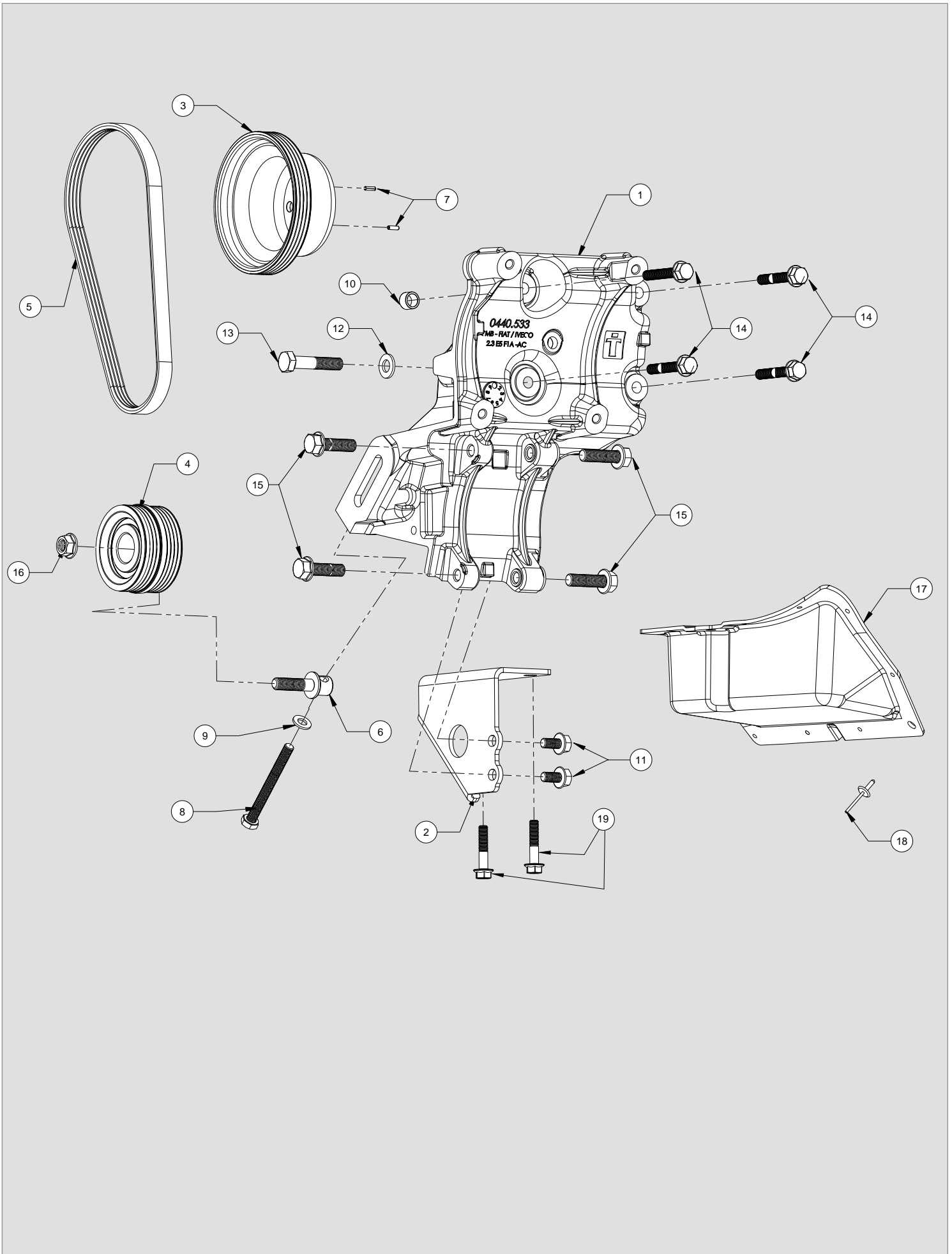
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PARTS VIEW / VUE ÉCLATÉE / TEILEANSICHT / VISTA PARTA / IMÁGENES DE LAS PIEZAS



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

ITEM	CODE / CODICE / KODE / CODIGO	DESCRIPTION / DESCRIZIONE / BESCHREIBUNG / DESCRIPCION	QTY.	COMMENTS
1	0441.5331	Compressor mount bracket - Iveco 2.3 A/C E5	1	-
2	3020.5861	Support plate Iveco Daily 2.3 A/C E5	1	-
3	1701.5231	Crankshaft Drive Pulley - Iveco Daily 2.3 A/C E5 DIA 118 G/L 52.1mm	1	-
4	1700.5192	Twin 4PK pulley assembly Ø 71.5mm	1	-
5	0820.6081	Gates 4PK 595	2	-
6	1703.0153	Idle Pulley Eye Bolt	1	-
7	2762.0091	Spring Pin ISO 8752 - 3 x 10	2	-
8	2719.0081	Hex Set Screw - M8 X 80 : 1.25 - 8.8	1	-
9	2808.0011	Washer M8 Flat DIN 125 - A 8.4	1	-
10	2800.0291	Dowel Bush	1	-
11	2704.1521	Hex flange bolt Durlok - M8 x 16 : 1.25 - 12.9	2	-
12	2809.0011	Washer M10 Flat DIN 125 - A 10.5	1	-
13	2705.0731	Hexagon Head Bolt - M10 x 50 ~ 1.25 : 12.9	1	-
14	2704.0101	Hex flange bolt - M8 x 50 : 1.25 - 12.9	4	-
15	2705.0241	Hex flange bolt Durlok - M10 x 35 : 1.50 - 12.9	4	-
16	2735.0071	Durlok Hexagon Flange Nut - M10 : 1.50	1	-
17	2002.5231	Iveco E5 AC under panel pod.	1	-
18	2760.1031	Pop Rivet	10	-
19	2704.5741	Hex flange bolt - M8 x 40 : 1.25 - 10.9	2	-

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

SELTEC	TM-13 HS	TM15-HS	TM16-HS
Comp No	0381.0352	0381.5002	0381.0372
Seltec No.	488.44122	488.45122	488.46122
Mounting	Ear	Ear	Ear
Rotor	8PV	8PV	8PV
Armature	3E	3E	3
Diameter	123	123	123
Voltage	12	12	12
Orientation	H	H	H
Fitting	3/4 x 7/8	3/4 x 7/8	3/4 x 7/8
Manifold	Bolt	Bolt	Bolt

QUE	QP13-HD	QP15-HD	QP16-HD
Comp No	0391.0352	0391.5002	0391.0372
QUE No.	QP12-1274	QP15-1266	QP16-1197
Mounting	Ear	Ear	Ear
Rotor	8PV	8PV	8PV
Armature	3E	3E	3E
Diameter	123	123	123
Voltage	12	12	12
Orientation	H	H	H
Fitting	3/4 x 7/8	3/4 x 7/8	3/4 x 7/8
Manifold	Bolt	Bolt	Bolt

DELPHI	SD5H09	SD5H14	SD7H15
Comp No	-	-	0370.0080
Sanden No.	-	-	8256
Mounting	-	-	EAR
Rotor	-	-	8PV
Armature	-	-	SL
Diameter	-	-	123-
Voltage	-	-	12
Orientation	-	-	H
Fitting	-	-	3/4 x 7/8

SANDEN	-	SP15	SP20
Comp No	-	0310.0011	
Delphi No.	-	015201/1	
Mounting	-	EAR	
Rotor	-	8PV	
Armature	-	SL	
Diameter	-	122.4	
Voltage	-	12	
Orientation	-	H	
Fitting	-	1-14 UNF-2A	

**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.

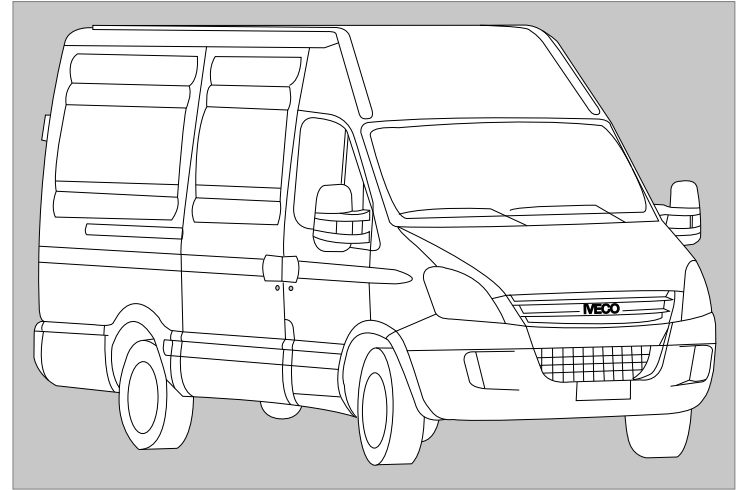
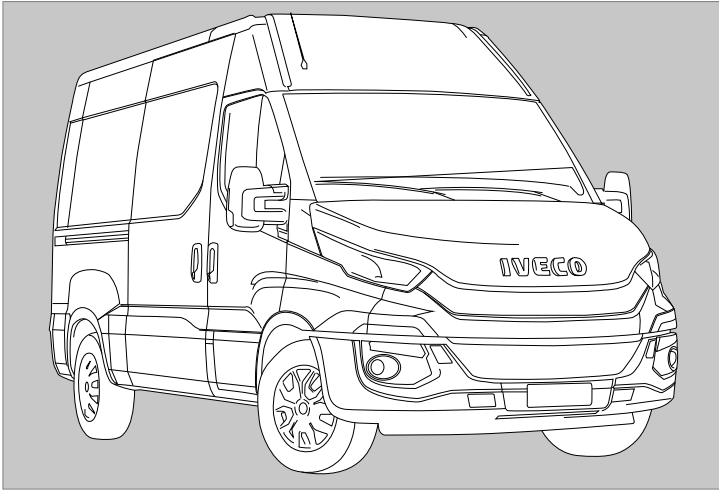
**VALORI STANDARD DI SERRAGGIO PER DISPOSITIVI DI FISSAGGIO**

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	Iveco
Make	Daily
Model	29L11/13/15, 35S11/13/15, 35C11/13, 40C11/13 35-120, 35-140, 35-160 inc. Hi-Matic
Engine CC	2286
Engine Details	Euro 5- F1A - 106/126/146 HP Euro 6- F1A - 116/136/156
Year	10.2011>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	YES
voltage	12v

## KIT DETAILS

Kit Part No.	0500.6942
Description	Standard Kit
Compressor RPM	3861/3564 @ Max Engine Power Output
Fitting Time	90 Minutes
Suction Fitting	90° (Max Height 48 mm)
Discharge Fitting	90° (Max Height 41 mm)
Belt Type	2 x 4PK 595
Belt Part No.	0820.6081

## 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

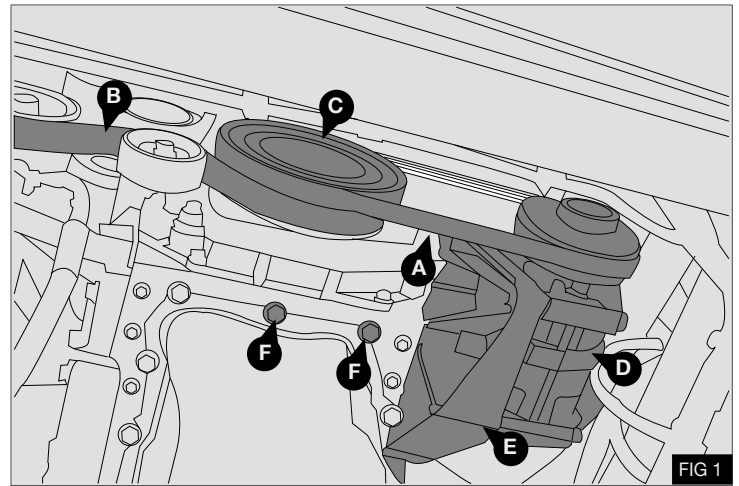
**Caution:** Measures must be followed accurately to steer clear of the possibility of damage to individuals

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

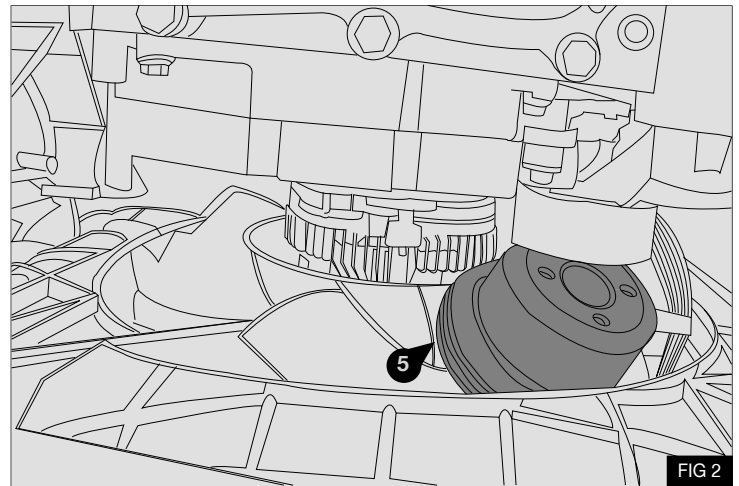
**NB:** This calls awareness to make the job easier or gives useful information.

**PRE-INSTALLATION**

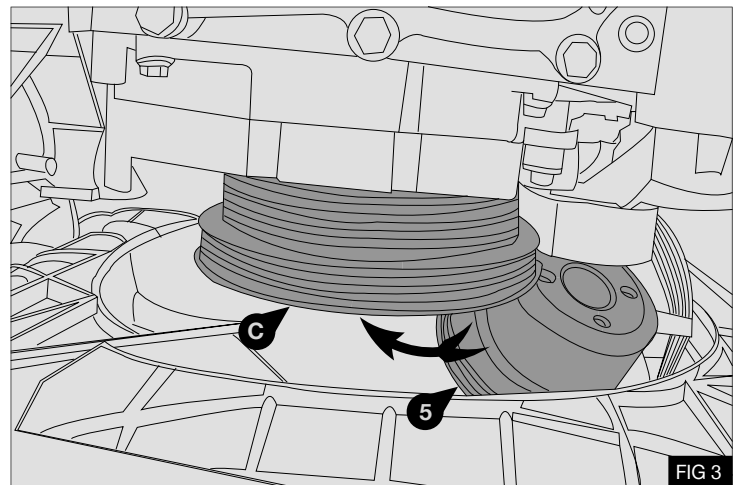
1. Remove and retain the engine under panel.
2. Remove and retain the original stretch-belt (A) fitted to the air conditioning compressor (D) - Fig 1
3. Remove and retain the original auxiliary drive belt (B) - Fig 1
4. Remove and retain the 4 x original crankshaft pulley bolts and the crankshaft pulley (C) - Fig 1
5. Remove the air conditioning compressor (D) and retain securing bolts - Fig 1.
6. Remove and discard the air conditioning compressor mount bracket (E) - Fig 1
7. Remove and retain the 2 x sump bolts (F) - Fig 1

**CRANKSHAFT PULLEY INSTALLATION**

1. Temporarily place the supplied pulley (5) into the position shown - Fig 2



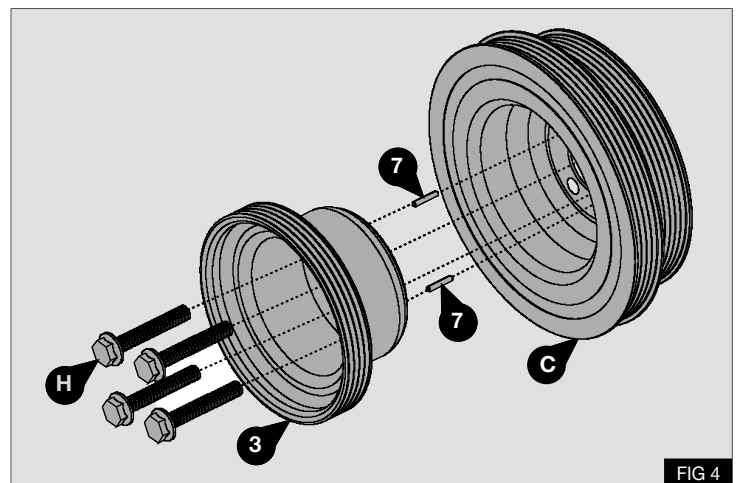
2. Insert the supplied 3mm roll pins (16) into the holes in the original crankshaft pulley (C) - Fig 4
3. Fit the original crankshaft pulley (C) onto the crankshaft and mount the supplied pulley (4) onto the roll pins (16) in the original pulley (C) - Fig 3



**Caution:** Take care not to damage the fan blades when fitting the crankshaft pulley.

4. Refit the 4 x crankshaft pulley bolts (H) previously removed and torque to 30 Nm - Fig 4
5. Refit the original auxiliary drive belt (B)

**NB:** Please refrain from using "Loctite" unless otherwise notified.





## MOUNT BRACKET INSTALLATION

1. Insert the location dowel (10) into the point shown on engine - Fig 5
2. Locate compressor mount bracket (1) onto the dowel (10). Secure with 4 x M8 x 50 bolts (14) and M10 x 50 bolt (13) with flat washer (12) - Fig 6
3. Hand-tighten all bolts and torque in the following sequence:-
  - a. Torque bolt (13) to 50 Nm
  - b. Torque bolts (14) to 25 Nm
4. Fit the support plate (2) using 2x M8 x 40 bolts (19) and M8 x 16 bolts (11) - Fig 7

Torque bolts in the following sequence:-

- a. Torque bolts (19) to 22 Nm
- b. Torque bolts (11) to 25 Nm

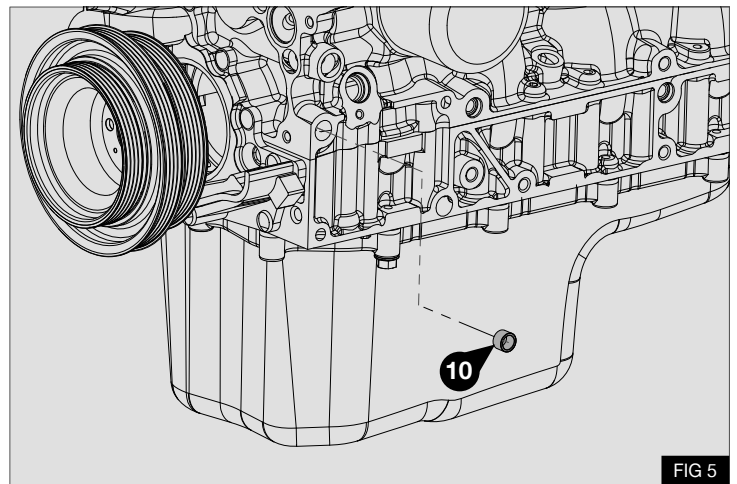


FIG 5

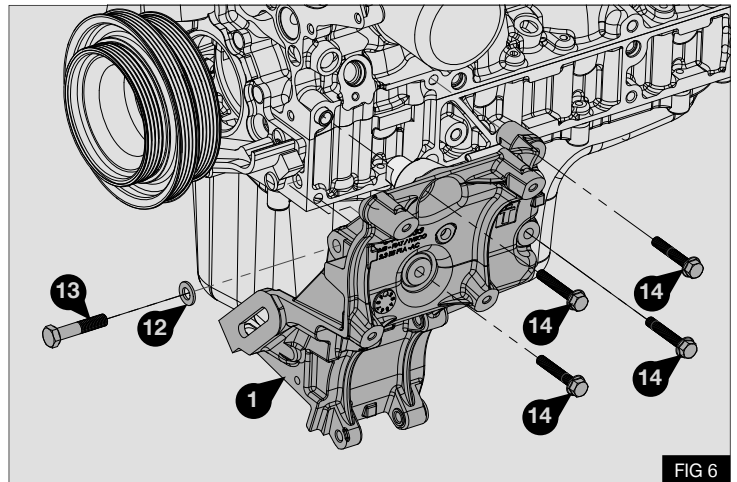


FIG 6

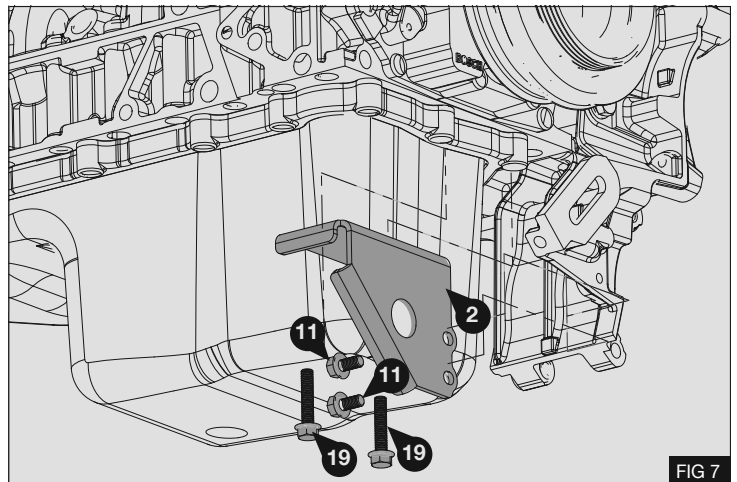


FIG 7

## COMPRESSOR INSTALLATION

1. Secure the original AC compressor (D) to the mount bracket (1) using original bolts (I) - Fig 8
2. Torque bolts (I) to 22 Nm
3. Re-fit the original compressor drive belt (A) using a suitable installation tool (not supplied). - Fig 8

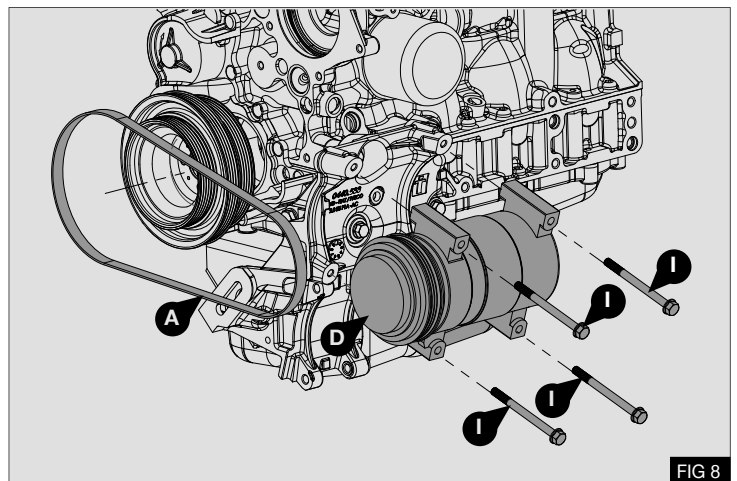
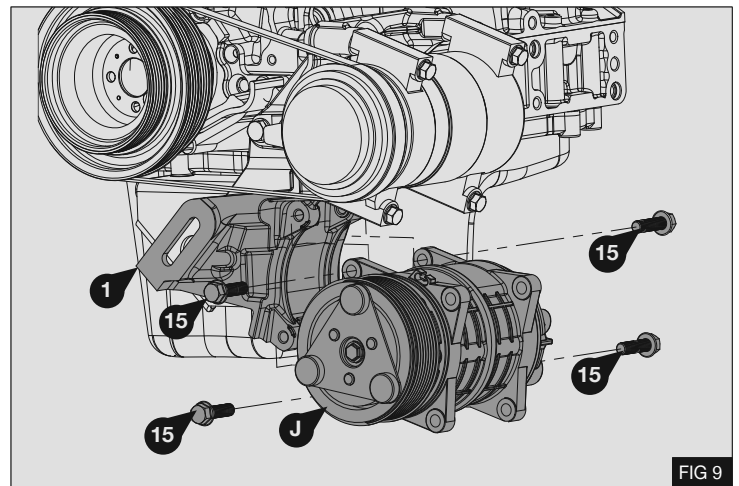


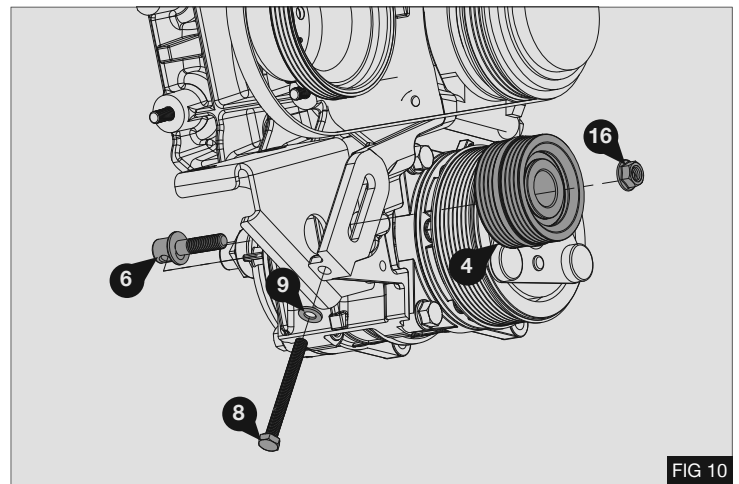
FIG 8

4. Secure the compressor (J) to the mount bracket (1) using 4 x M10 x 35 bolts (15) - Fig 9
5. Torque bolts (15) to 50 Nm - Fig 9

**Note:** Prior to final Torque application ensure rear sliding bushes engage compressor lug faces.

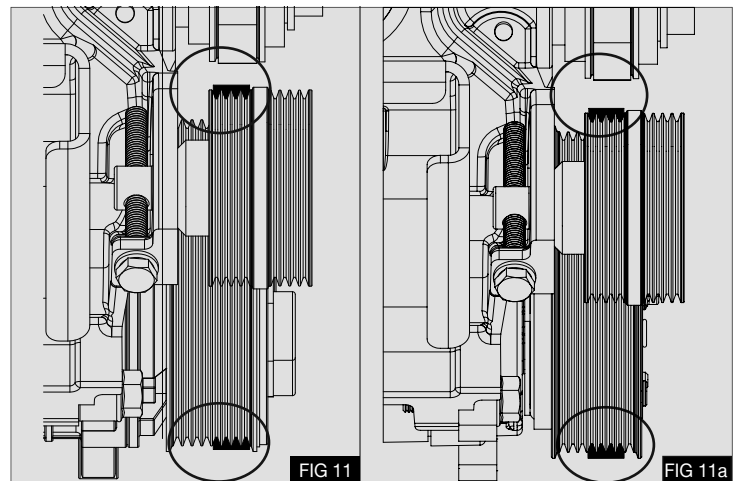


6. Install pulley assembly (4) onto eye bolt (6) using Nut (16), position bolt (8) with washer (9) into bracket as shown - Fig 10

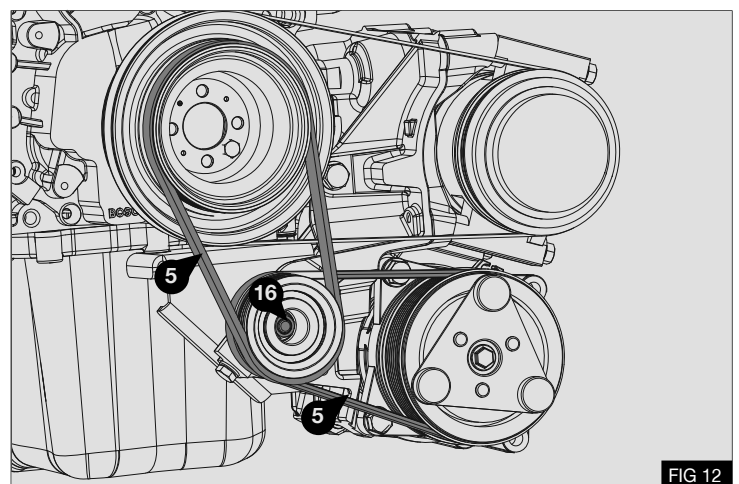


### DRIVE BELTS

1. Fit 1 x drive belt (5) to the compressor and the rear of the idler / tensioner pulley as shown - Fig 11 & 11a
  - TM / QUE / Sanden compressors – Belt is fitted to the front of the compressor. -Fig 11
  - Delphi SP 15 compressors – Belt is installed with a spare groove at the front of the compressor. -Fig 11a



2. Fit 1 x belt (5) as shown - Fig 12
3. Tension belt(s) to the correct tension using draw bolt (8) once tension is achieved lock pulley by tightening nut (16) - Fig 12
4. Torque nut (16) to 50 Nm.

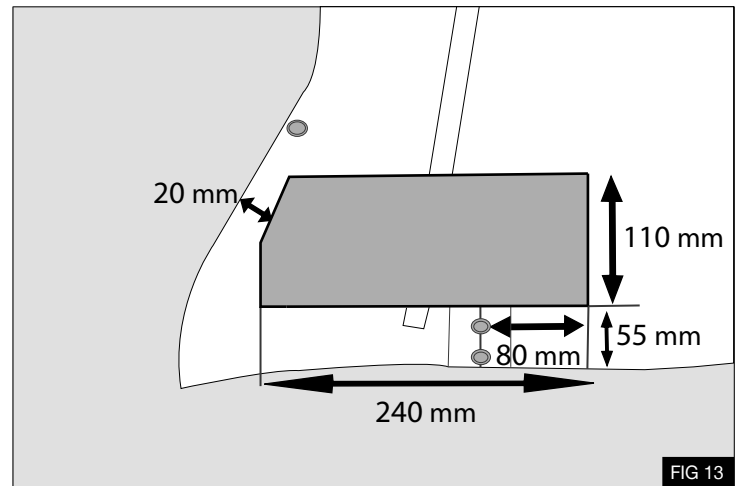


**BELT TENSION TABLE**

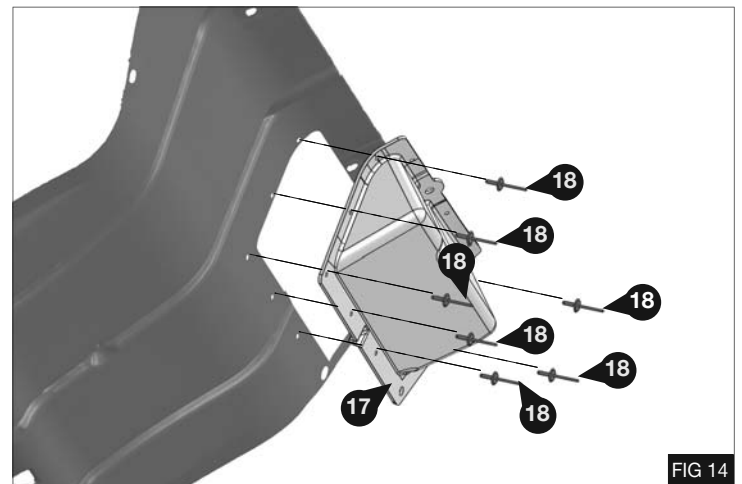
Belt	Belt Age	Belt Tension using a Belt Tension Gauge
4 PK	New Belt	48 - 56 kg
4 PK	Used Belt / Re-Tension	36 - 40 kg

## UNDER PANEL INSTALLATION

- Using under panel pod and dimensions as a guide modify the under-panel as shown - Fig 13



- Drill 10 x 4 mm holes corresponding to the under-panel pod (17) and secure using 10 x pop rivets (18) - Fig 14



## FINISH

- Before starting the engine check all the installed parts and ensure that the belt is installed correctly. Run the unit for at least ten minutes, then check the whole mounting assembly and previously removed parts. Attach the supplied warning label on to a suitable location.

**Note:** Check the belt tension when the belt is hot. IT IS IMPORTANT THAT THE BELT IS ALLOWED TO COOL BEFORE RE-TENSIONING. Always re-tension NEW belts if the tension is less than the USED BELT AMOUNT.

- Install modified under panel using original fasteners.

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