



Techni
ENGINEERING SOLUTIONS

IVECO DAILY 3.0L EURO 5 / EEV

35S 17, 35C 15/17, 40C 15/17

50C 15/17, 65C 15/17, 70C 15/17

CODE / CODICE: 0500.7062

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

SELTEC: TM13 / 15 / 16

SANDEN: SP15

DELPHI: SD7H15

FITTING INSTRUCTIONS

EINBAUANLEITUNGEN

INSTRUCTIONS POUR LE MONTAGE

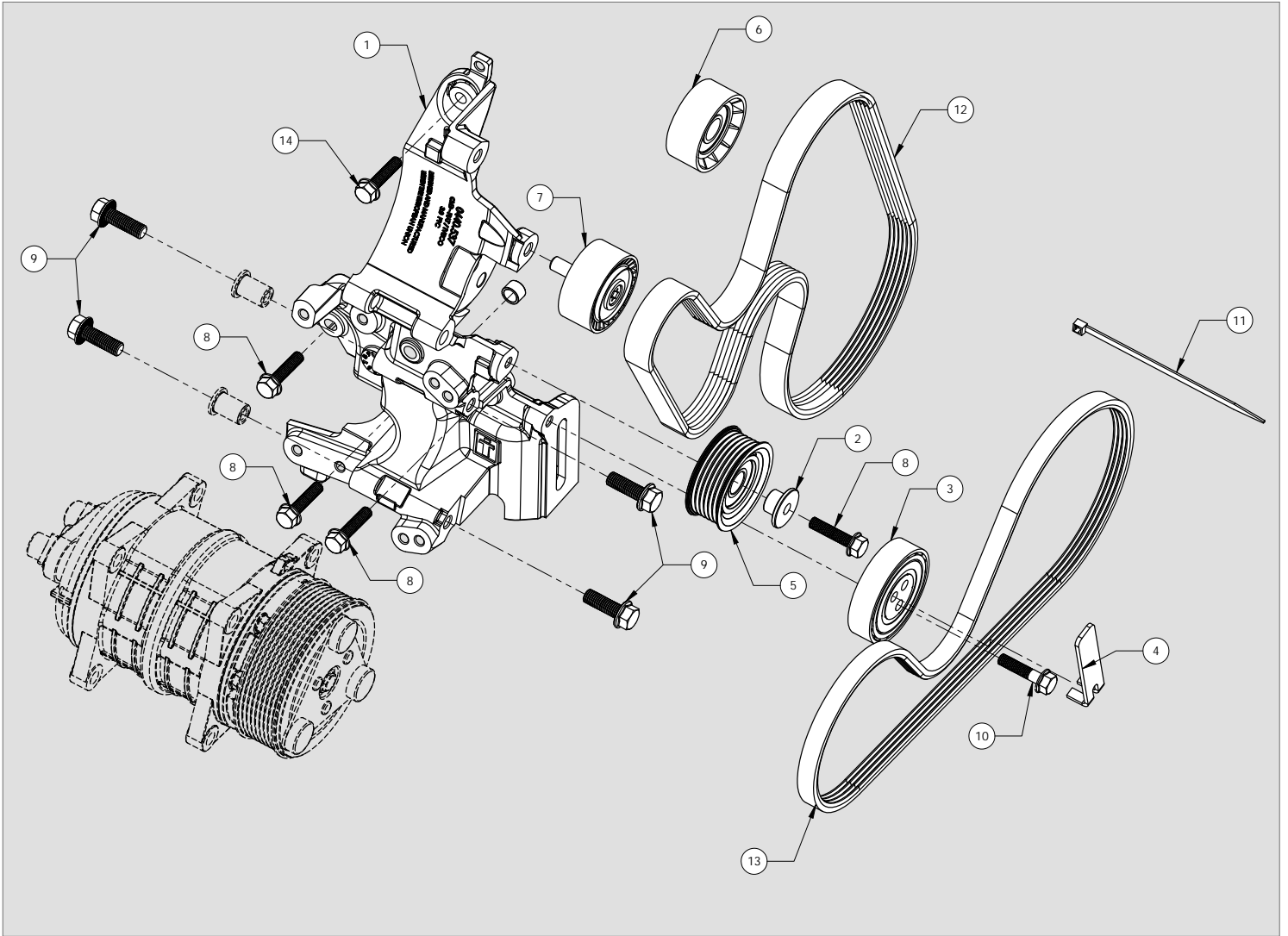
ISTRUZIONI DI MONTAGGIO

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	0441.5371	Compressor mount bracket - Iveco 3.0L F1C	1	
2	2803.5611	Spacer ID 8.3 OD 16.8 L 14.5	1	
3	1700.037	Eccentric Idle pulley	1	
4	3020.3863	Eccentric Pulley Adjusting Tool	1	
5	1700.0541	Idle pulley - 69 x 26.5 6PK	1	
6	1700.0341	Idle Pulley 60.2 X 25.5	1	
7	1700.5231	Idler 6PK Ø 60 inc M10 cap bolt	1	
8	2704.0481	Hex flange bolt Durlok - M8 x 35 : 1.25 - 12.9	4	
9	2705.0491	Hex flange bolt Durlok - M10 x 30 : 1.50 - 12.9	4	
10	2704.1021	Hex flange bolt - M8 x 35 : 1.25 - 10.9	1	
11	2763.0051	Cable Tie 4.8 x 370 - Black	1	
12	0820.5071	6PK 1320	1	
13	0820.2811	4PK 1040	1	
14	2704.0091	Hex flange bolt Durlok - M8 x 30 : 1.25 - 12.9	1	

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

SELTEC	TM-13 HS	TM15-HS	TM16-HS
Comp No	0381.0352	0381.5002	0831.0372
Valeo No.	488-44122	488-45122	488-46122
Mounting	Ear	Ear	Ear
Rotor	8PV	8PV	8PV
Armature	3E	3E	SL
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	-	-	-
Que No.	-	-	-
Mounting	-	-	-
Rotor	-	-	-
Armature	-	-	-
Diameter	-	-	-
Voltage	-	-	-
Orientation	-	-	-
Fitting	-	-	-
Manifold	-	-	-

DELPHI	SD5H09	SD5H14	SD7H15
Comp No.	-	-	0370.0080
Delphi 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	-
Sanden 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.

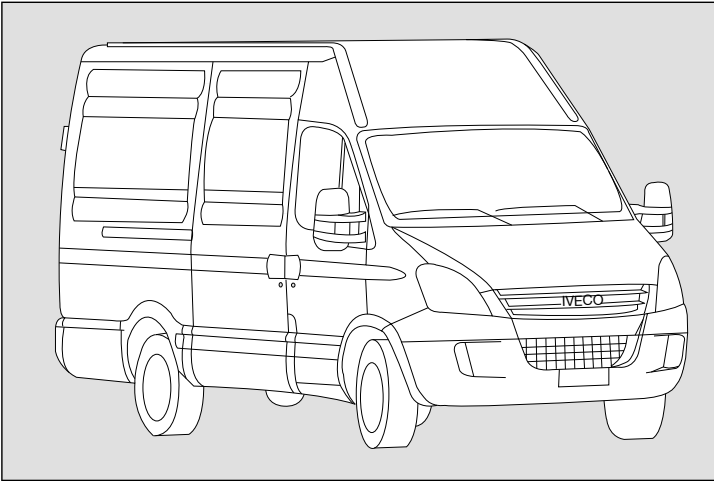
VALORI STANDARD DI SERRAGGIO PER DISPOSITIVI DI FISSAGGIO

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
Model	Daily
Type	35S 17, 35C 15/17, 40C 15/17, 50C 15/17, 65C 15/17, 70C 15/17
Engine Details	3.0L E5 / EEV (146/170PS) WG/VGT/Twin Turbo - Common Rail
Year	2012>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	YES/NO
Voltage	12v

KIT DETAILS

Kit Part No.	0500.7065
Description	Standard Kit
Compressor RPM	4700 @ Max Engine Power Output
Fitting Time	75 Minutes
Suction Fitting	90°
Discharge Fitting	90°
Main Drive Belt	6PK 1320
Belt Part No.	0820.5071
Compressor Belt	4PK 1040
Belt Part No.	0820.2811
Note	Does not fit 205PS Engines

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.

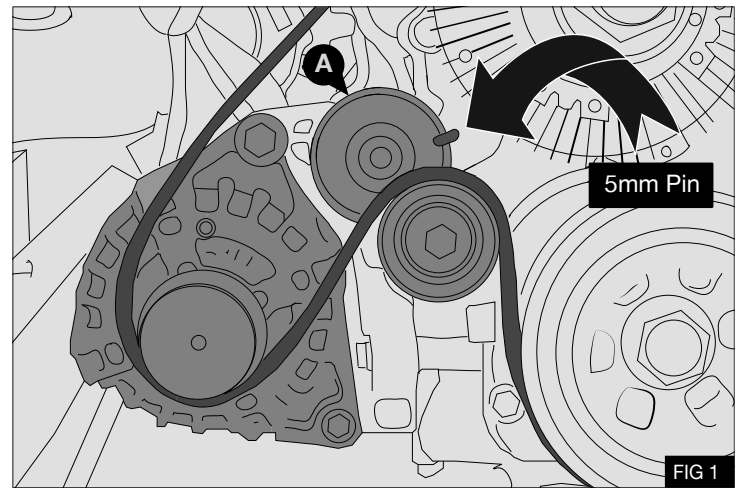
NB: This calls awareness to make the job easier or gives useful information.

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.

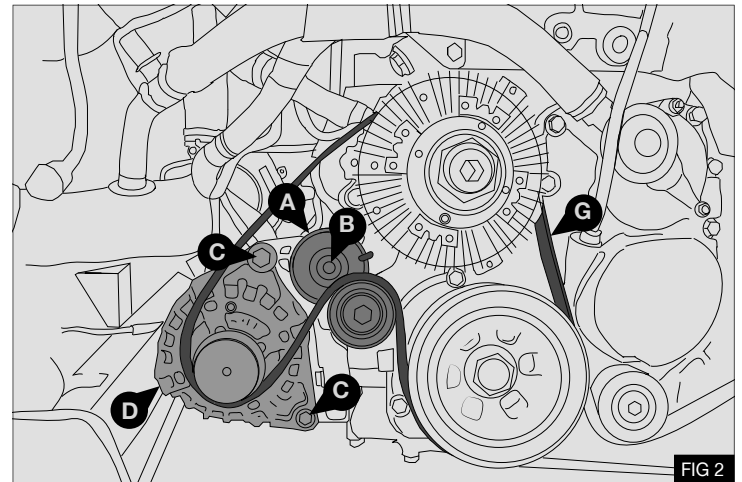
Removal of parts:

1. Disconnect battery negative terminal.
2. Remove under panel
3. Release the tension on the original auto tensioner (A) and lock using a suitable 5mm diameter pin - Fig 1

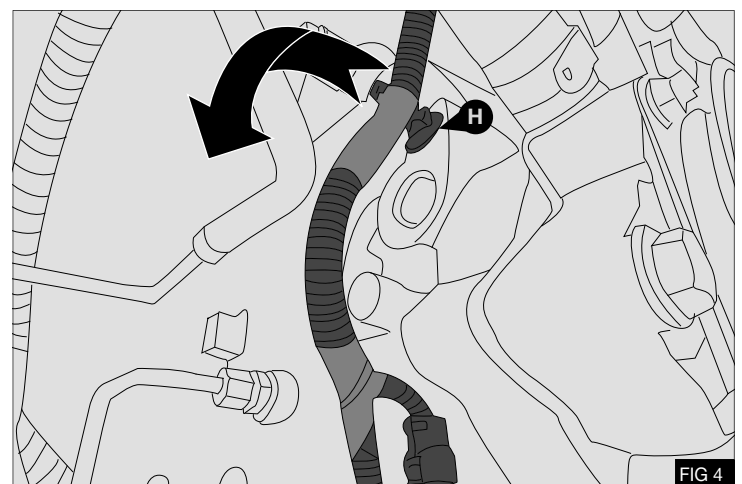
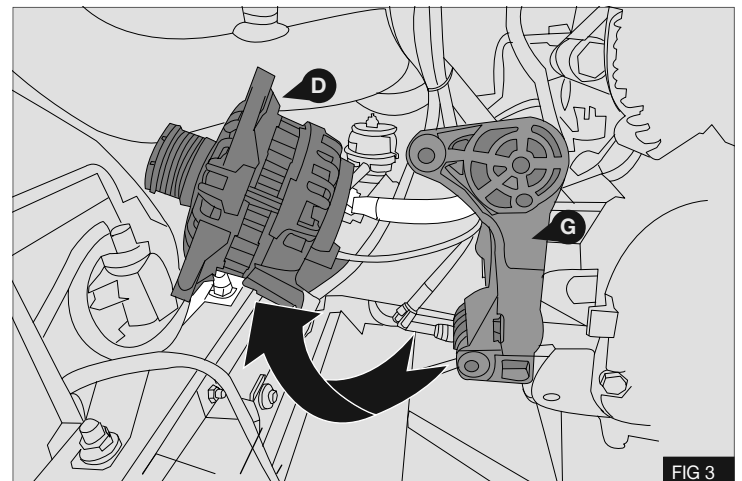


N.B it is necessary to lock the auto tensioner to facilitate re- installation

4. Remove and discard the original drive belt (F) - Fig 2
5. Remove and retain the auto tensioner (A) and its fixing screw (B) - Fig 2
6. Remove and retain the screws (C) securing the alternator (D) - Fig 2
7. Disconnect the alternator (D) from its bracket and place to one side - Fig 2
8. Remove and discard the original alternator mounting bracket (G) and its fasteners - Fig 3



9. Remove the loom support (H) from the M8 upper mounting hole. - Fig 4



INSTALLATION

1. If the vacuum assist box is installed move pipe to position shown, this will improve clearance to the compressor pulley once installed - Fig 5

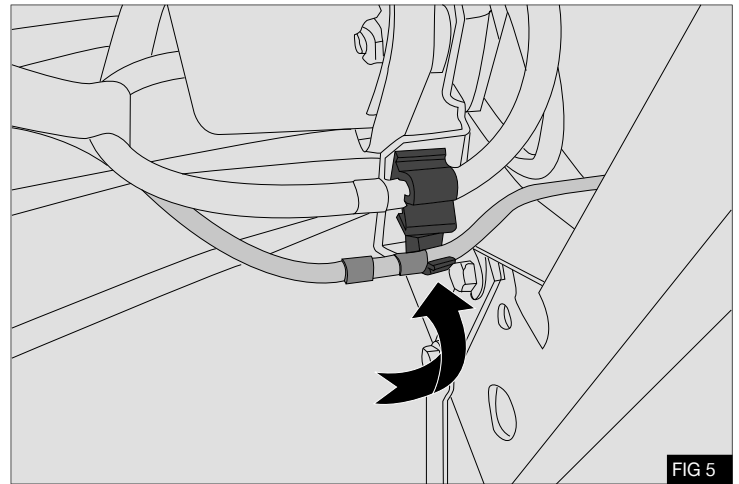


FIG 5

2. Fit the mount bracket (1) to the points shown on the engine using 4 x M8x 35 bolts (8) M8x 30 bolt (14) - Fig 6
3. Torque bolts (8) and (14) to 35Nm / 26 Lbft - Fig 6

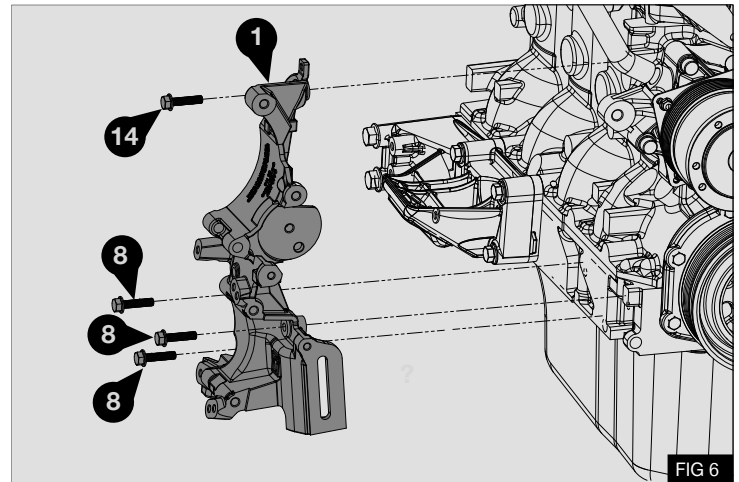


FIG 6

4. Fit loom support into the hole provided in mount bracket - Fig 7

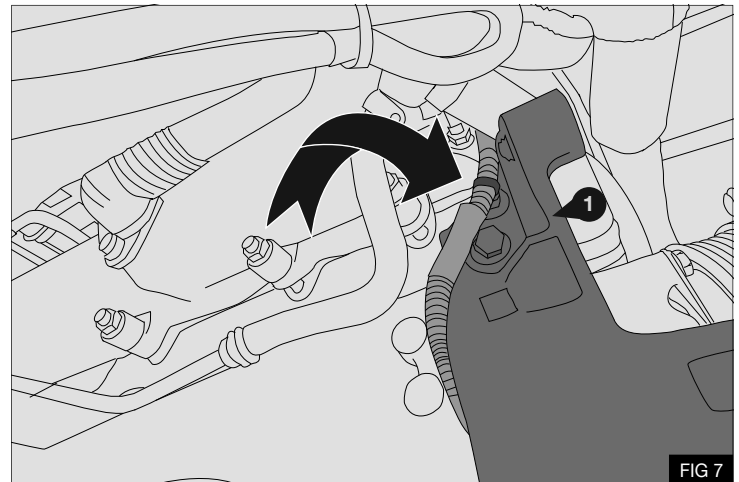


FIG 7

5. Fit the alternator (D) using the original fasteners (C) - Fig 8
6. Torque fasteners (C) to 45Nm / 33Lbft

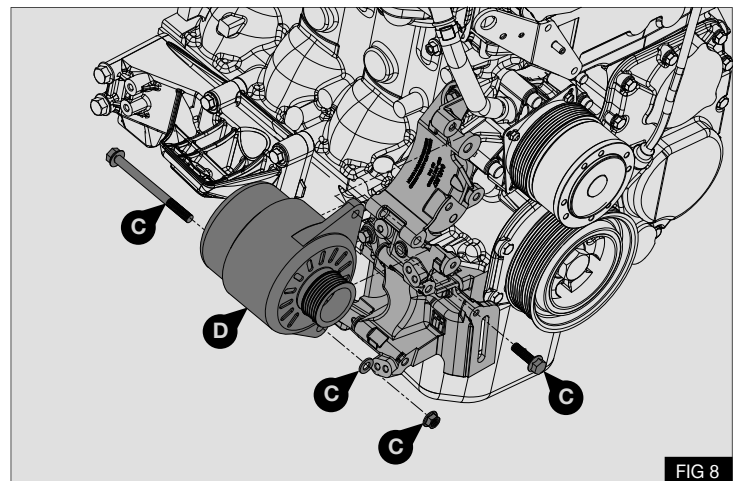
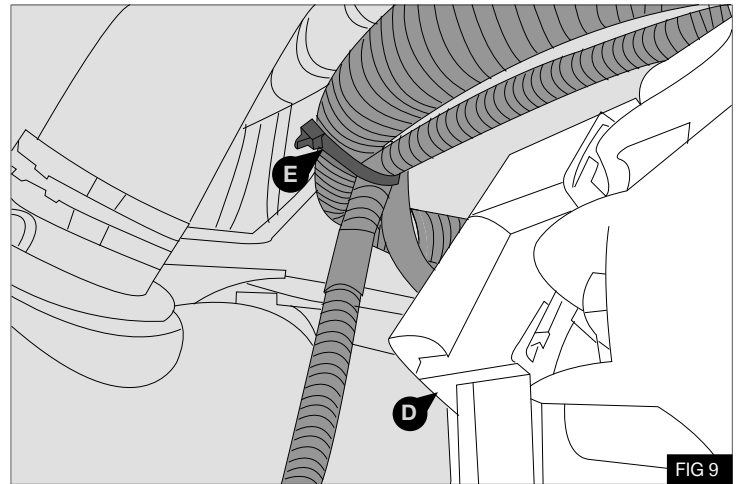
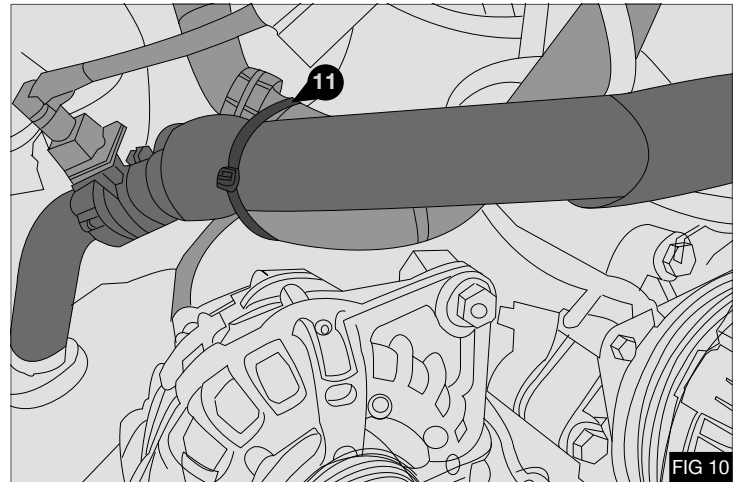


FIG 8

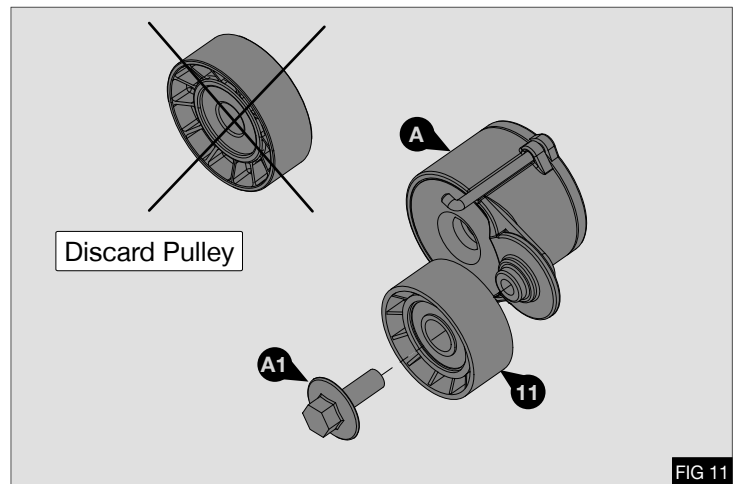
7. Remove the cable tie (E) securing the loom at the rear of the alternator - Fig 9



8. Secure loom using cable tie (11) at point shown - Fig 10



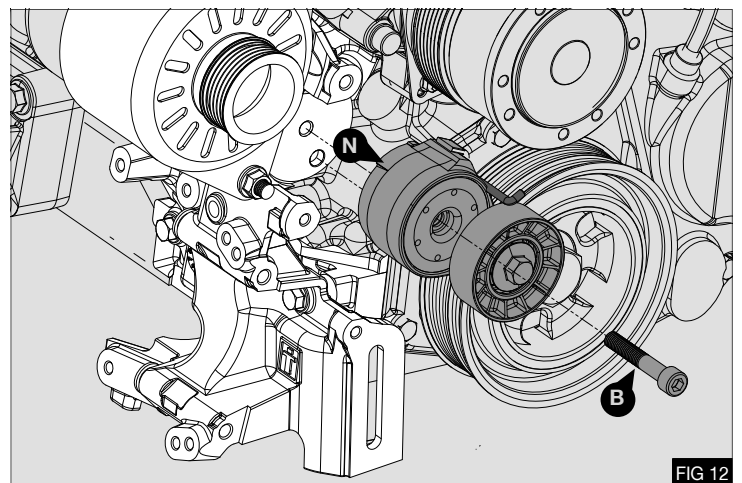
9. Remove and discard original pulley from tensioner (A), retain fastener (A1) - Fig 11



10. Fit supplied pulley (6) using original fastener (A1) - Fig 18

11. Torque bolt (A1) to 45Nm / 33Lbft

12. Fit auto tensioner assembly (A) to the bracket (1) using original fastener (B) - Fig 12



13. Torque fastener (B) to 45Nm / 33Lbft

14. Fit reverse idler pulley assembly (7) - Fig 13
15. Torque bolt (7) to 45Nm / 33Lbft
16. Fit grooved idler pulley (5) using M8 x 35 bolt (8) with spacer (2) - Fig 13
17. Torque bolt (8) to 35Nm / 26lbft

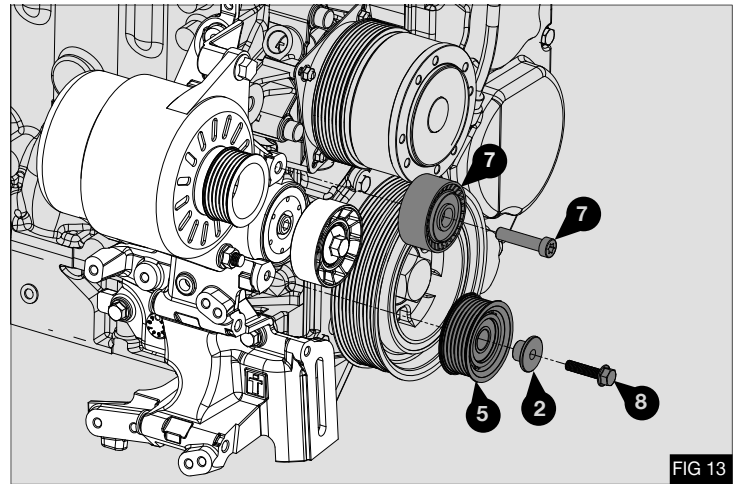


FIG 13

18. Fit the supplied drive belt (12), and remove locking pin from auto tensioner (A) - Fig 14

- A - Crank pulley
- B - Auto tensioner
- C - Grooved idler pulley
- D - Alternator
- E - Reverse idler pulley
- F - Fan hub

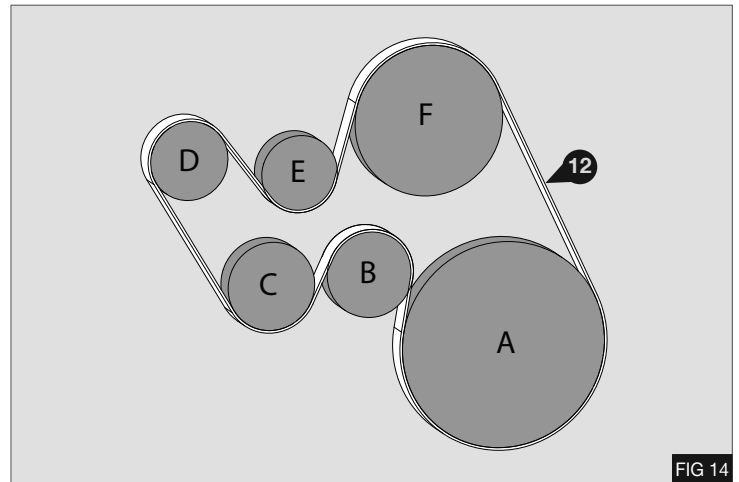


FIG 14

19. Install the eccentric tensioner pulley (3) using bolt (10) - Fig 15

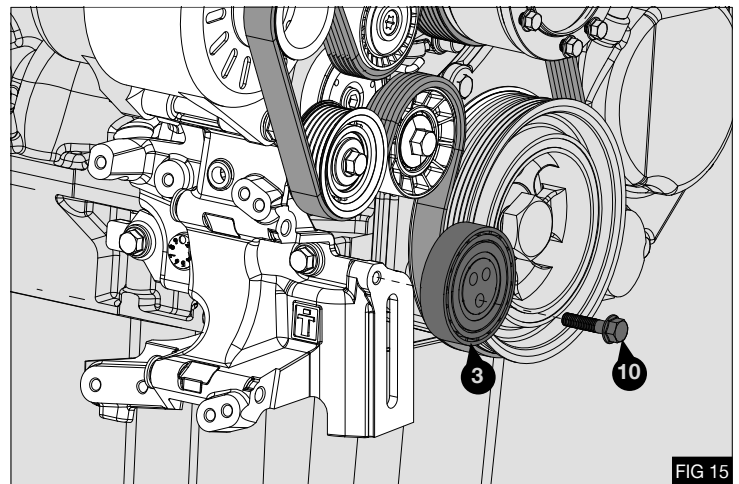


FIG 15

COMPRESSOR INSTALLATION

1. Fit the compressor (not supplied) to the bracket (1) using M1 x 30 bolts (9) - Fig 16
2. Torque bolts (9) to 55Nm / 73lbft

Note: Torque the bolts at the front of the compressor first.

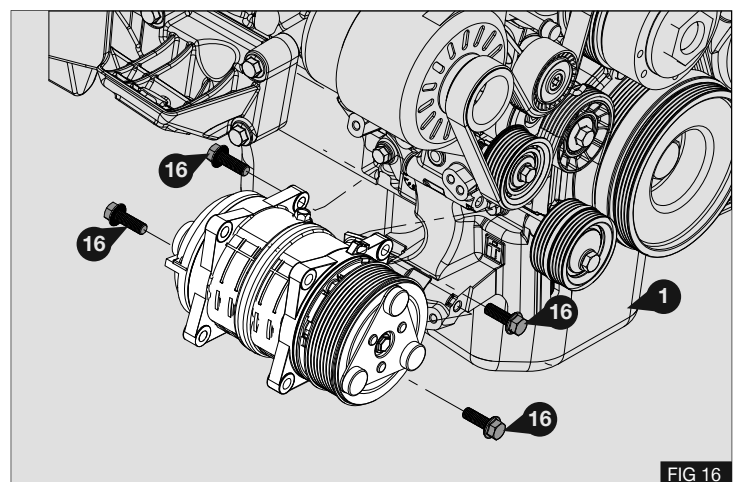


FIG 16

3. Install drive belt (13) into correct groove (Figs 18 and 19), tension belt using tool (4). Once correct tension has been achieved (see table) tighten bolt (10) - Fig 17

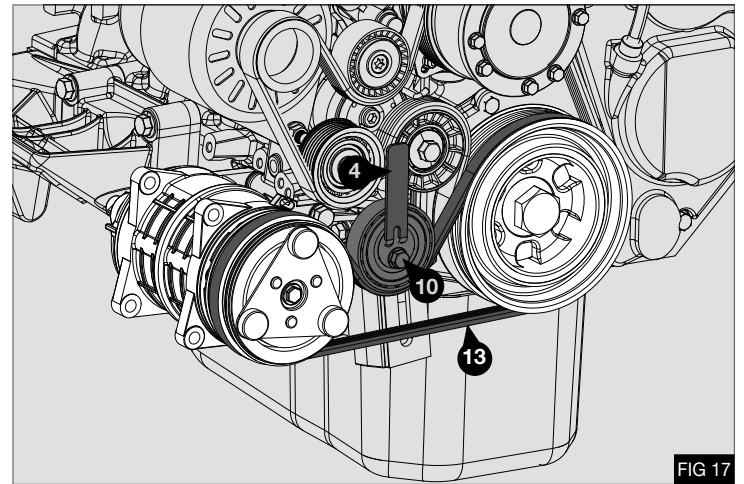


FIG 17

4. Torque bolt (10) to 25Nm / 18lbf

- TM / QUE / Sanden compressors – Belt is installed with 2 spare grooves at the front of the compressor pulley.-Fig 18

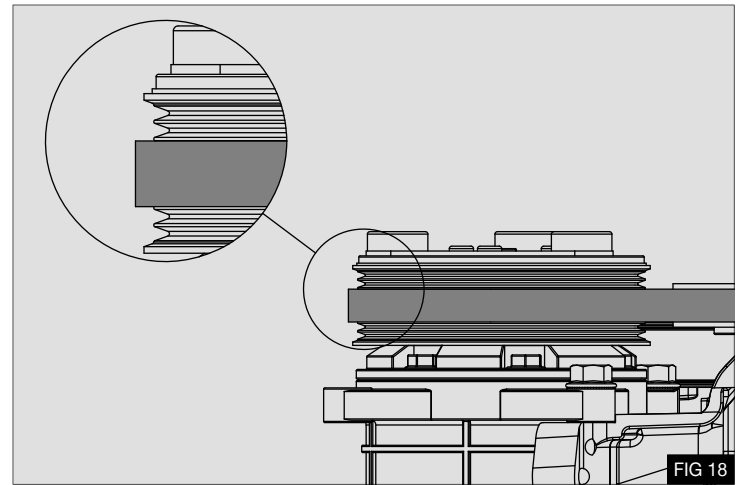


FIG 18

- Delphi SP15 compressors- Belt is installed with 3 spare grooves at the front of the compressor pulley. -Fig 19

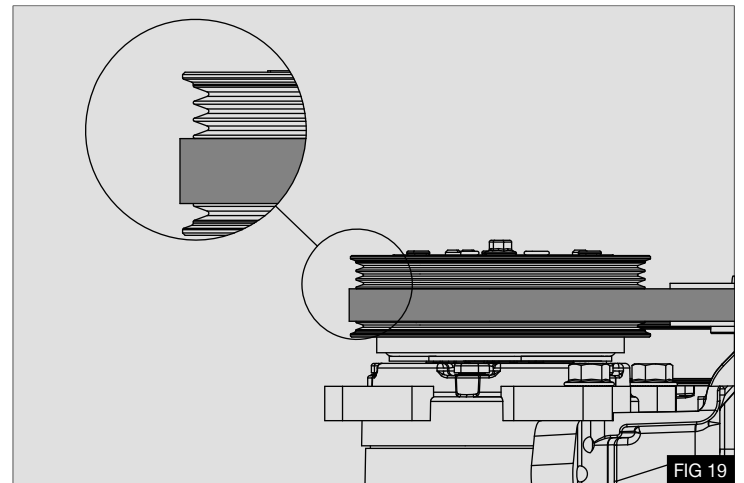


FIG 19

POST INSTALLATION

1. 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.
2. Run engine with refrigerant compressor engaged for 10 minutes, Allow drive belts to cool and re-tension as necessary (See table).

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