



Techni
ENGINEERING SOLUTIONS

FIAT / GM
DOBLÒ CARGO / COMBO
1.3 MULTIJET II 95 PS EURO 6 / 1.3 CDTI 95 PS EURO 6

CODE / CODICE: 0500.8392

COMPRESSOR / COMPRESSEUR / KOMPRESSOR
/ COMPRESSORE / COMPRESOR :
SELTEC TM13
QUE QP13

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
Compressor Preparation	8
Compressor Installation.....	9
Drive Belt.....	9
Hoses.....	10
Post Installation.....	12

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

ITEM	CODE / CODICE / KODE / CODIGO	DESCRIPTION / DESCRIZIONE / BESCHREIBUNG / DESCRIPCION	QTY.	COMMENTS
1	0441.5024	CMB - Fiat 1.3 MJ Euro 6	1	-
2	0411.5043	Clutch Rotor - PV6 160 Dia GL 32.55 - Seltec/QUE	1	-
3	0410.1123	Clutch Assembly 1A Modified	1	-
4	2716.0031	Socket cap screw - M5 x 12 - 0.80	6	-
5	2805.0031	Spring washer M5 x 1 - ID 5.1 OD 9.2	6	-
6	2809.0011	Washer M10 Flat DIN 125 - A 10.5	1	-
7	2705.0301	Hex socket head cap screw M10 x 130 : 1.50 - 12.9	1	-
8	2735.0071	Durlok Hexagon Flange Nut - M10 : 1.50	1	-
9	2705.0491	Hex flange bolt Durlok - M10 x 30 : 1.50 - 12.9	2	-
10	2704.0481	Hex flange bolt Durlok - M8 x 35 : 1.25 - 12.9	4	-
11	2702.0111	Hex flange bolt Durlok - M6 x 25 : 1.00 - 12.9	2	-
12	2702.0521	Hex flange bolt M6 X 16 : 1.00	1	-
13	2732.0041	Hexagon flange nut Durlok - M6 : 1.00	3	-
14	2806.0511	Washer M6 25 OD	2	-
15	2803.2791	Threaded Pillar - 40mm	1	-
16	2803.5061	Threaded Pillar - 20mm	1	-
17	2771.1031	P Clip 19mm	3	-
18	2771.1071	P Clip 21mm	1	-
19	2763.0051	Cable Tie 4.8 x 370 - Black	8	-
20	1430.0202	Heat Shield Sleeve Ø25 L200mm	1	-
21	1430.0192	Heat shield sleeve Ø30 L200mm	1	-
22	0820.2621	Belt - Poly Groove 6PK	1	-
23	0426.5032	Compressor Fitting - Suction 7/8 -14 Type B	1	-
24	0426.5082	Compressor Fitting-Discharge-3/4-16- Type D	1	-
25	3020.6701	Manifold clamp	1	-
26	2705.5301	Hex Flange Bolt -M10 x 35 : 1.50 -8.8	1	-

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

SELTEC	TM-13 HS	-	-
Comp No	0381.0842	-	-
Valeo No.	48844120	-	-
Mounting	Ear	-	-
Rotor	1A(M)	-	-
GL	-	-	-
Armature	SL	-	-
Diameter	126	-	-
Voltage	12	-	-
Orientation	V	-	-
Fitting	3/4 x 7/8	-	-
Manifold	Bolt	-	-

QUE	QP13-HD	-	-
Comp No	0391.5842	-	-
Que No.	-	-	-
Mounting	Ear	-	-
Rotor	1A(M)	-	-
GL	-	-	-
Armature	SL	-	-
Diameter	126	-	-
Voltage	12	-	-
Orientation	V	-	-
Fitting	3/4 x 7/8	-	-
Manifold	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.

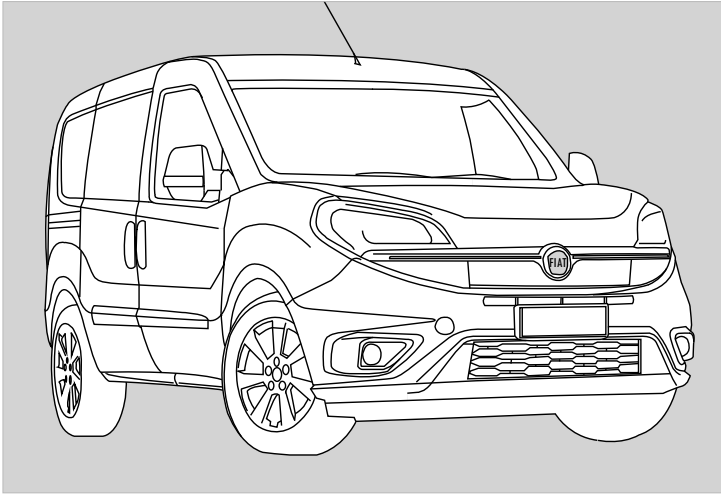
VALORI STANDARD DI SERRAGGIO PER DISPOSITIVI DI FISSAGGIO

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	Fiat / GM
Make	Doblò Cargo / Combo
Model	1.3 Multijet II 95 PS / 1.3 CDTi 95 PS
Engine CC	1248
Engine Details	Euro 6
Year	08.2016 >
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	12v

KIT DETAILS

Kit Part No.	0500.8392
Description	Speed Reduction Kit
Compressor RPM	3925 @ Max Engine
	Power Output
Fitting Time	60 Minutes
Suction Fitting	90°
Discharge Fitting	90°
Belt Type	6PK 1744
Belt Part No.	0820.2621

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

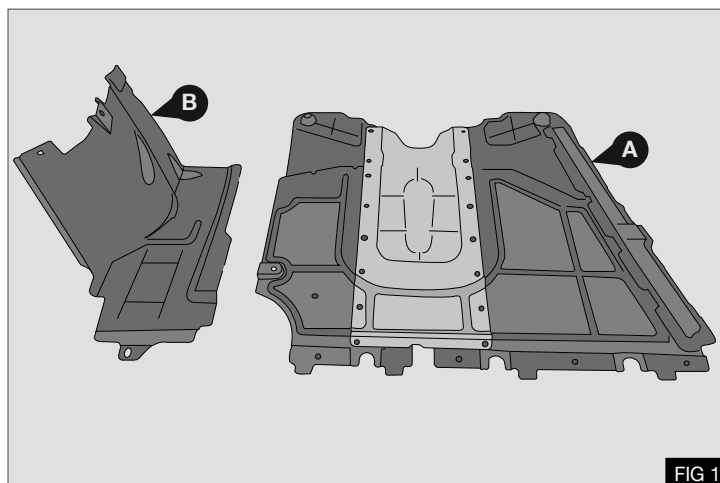
Warning: This calls awareness to actions which must be pursued to avoid damage to the components.

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

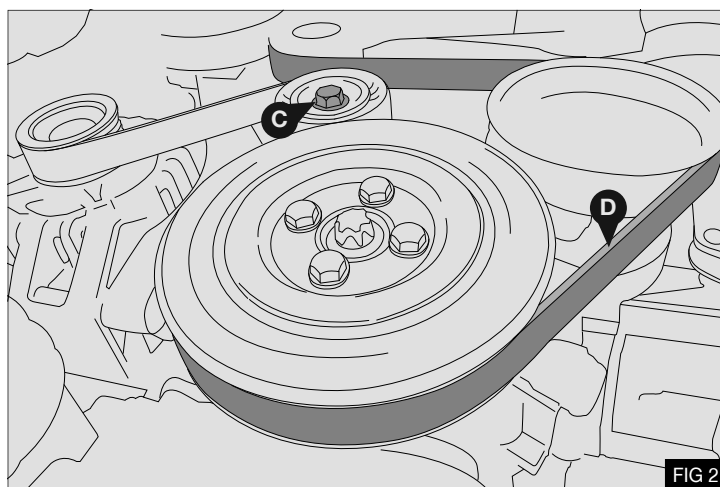
PRE-INSTALLATION

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.

1. Remove engine under panel (A) and engine side guard (B). - Fig 1



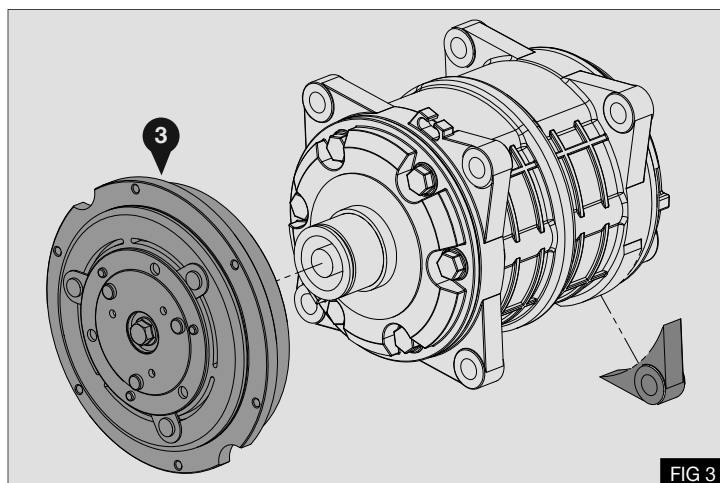
2. Release the automatic tensioner (C). - Fig 2.
3. Remove and discard drive belt (D). - Fig 2

**COMPRESSOR PREPARATION**

1. Install the clutch assembly (3). - Fig 3.

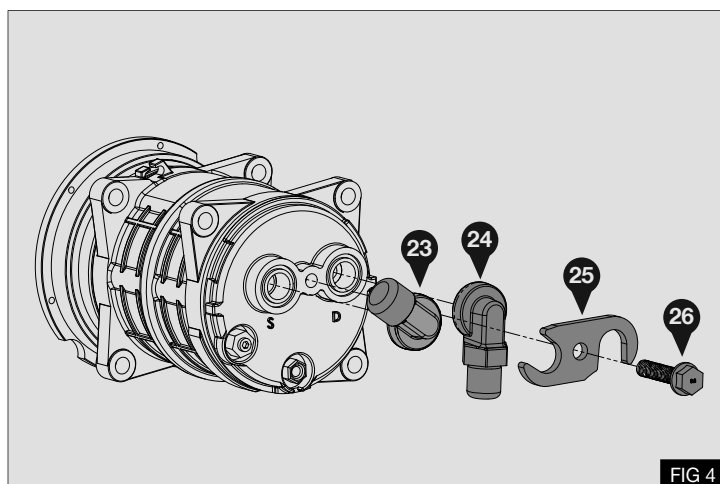
Note: for detailed instruction see separate manual 2906.0501

2. Remove the compressor ear as indicated. - Fig 3.



3. Fit the compressor manifold components (23), (24), (25), (26). - Fig 4.

Torque bolt (26) to 45Nm/33lbft



INSTALLATION

1. Install the mounting bracket (1) using 4x M8 x 35 bolts (10).
- Fig 5

Torque bolts (10) to 35Nm/26lbft

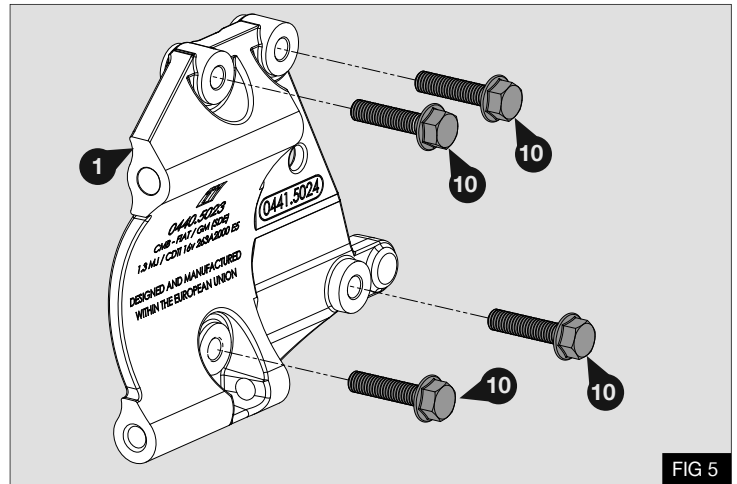


FIG 5

2. Fit the compressor to the bracket (1) using 1x M10 x 130 Cap head bolt (7), washer (6), with M10 nut (8) and 2x M10 x 30 bolts (9) - Fig 6

Torque bolts (7), (9) to 58Nm /42.8lbft

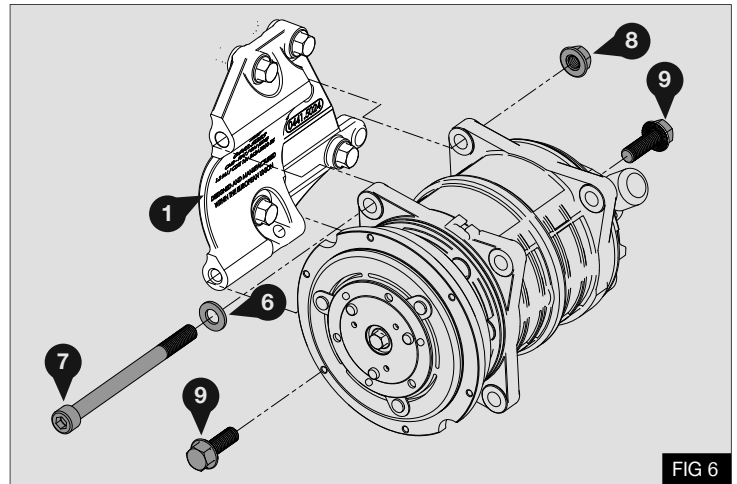


FIG 6

3. Install the clutch rotor (2) to the compressor clutch (3) using 6x M5 cap head screws (4) with washers (5) - Fig 7

Torque bolts (4) to 6Nm / 4.5lbft

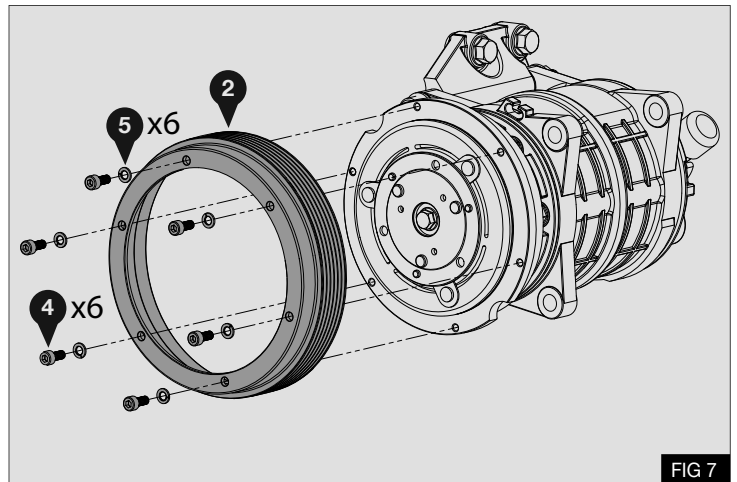


FIG 7

DRIVE BELT

1. Install the drive belt (22). - Fig 8

- A. Crank pulley
- B. Automatic tensioner
- C. Alternator
- D. PAS pump
- E. Idle pulley
- F. Coolant pump
- G. Compressor

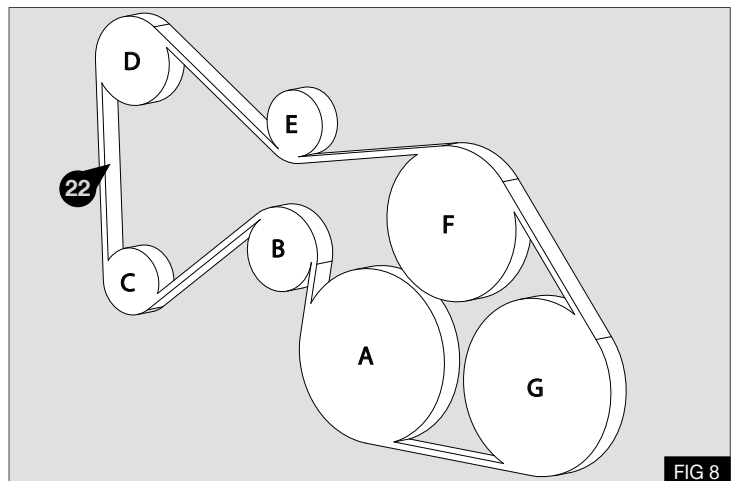
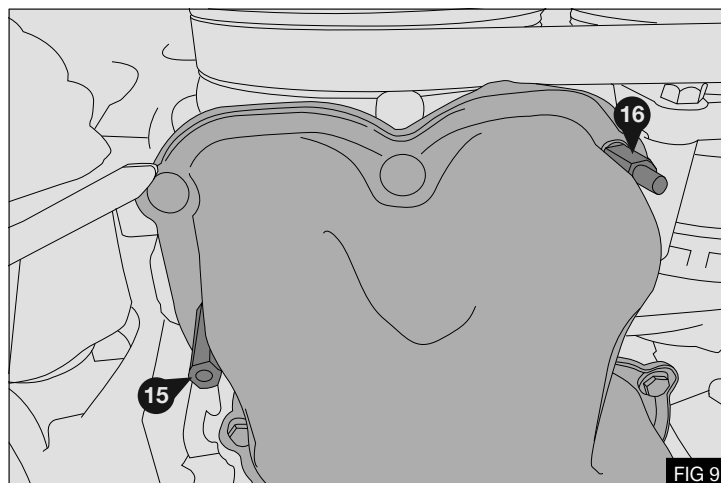


FIG 8

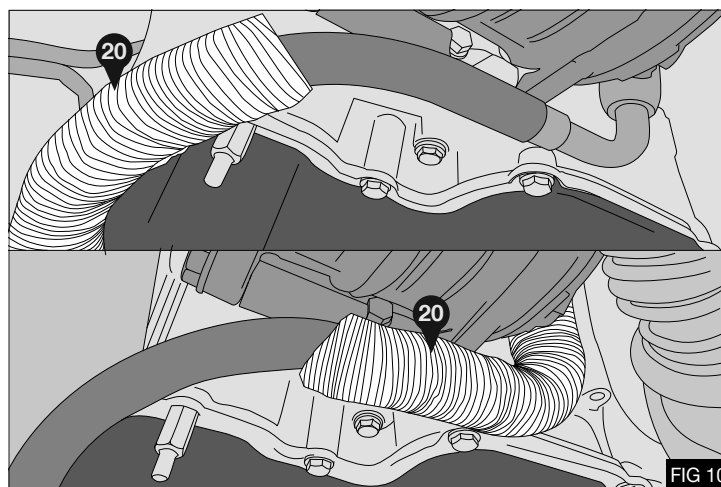
HOSES

1. Remove the original bolts and fit the M6 threaded bosses (15), (16) as indicated. - Fig 9

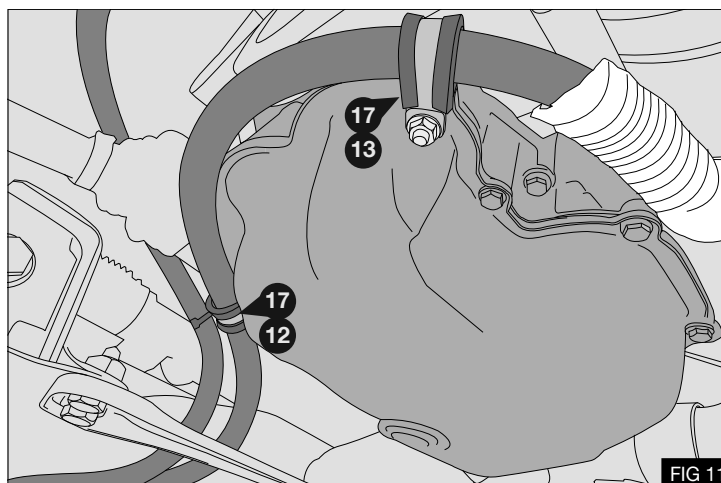
Torque bosses (15),(16) to 9Nm /6.6 Lbft



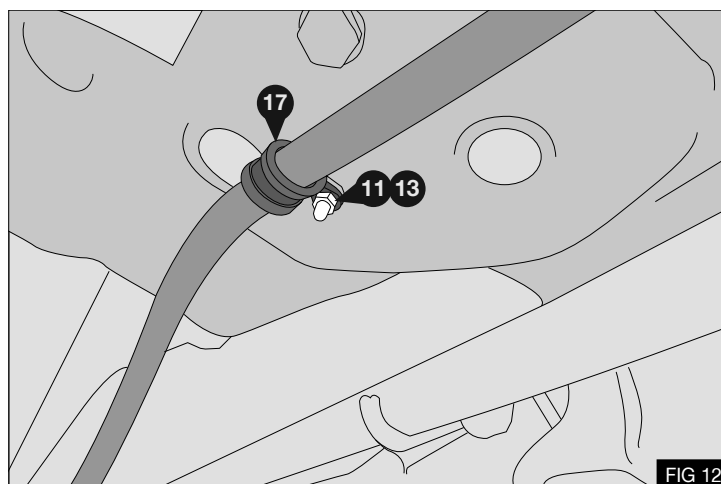
2. Fit the thermal insulator (20) to the discharge hose. Connect the hose to the compressor manifold and tighten. Once the fitting is tight cover with the insulator. - Fig 10



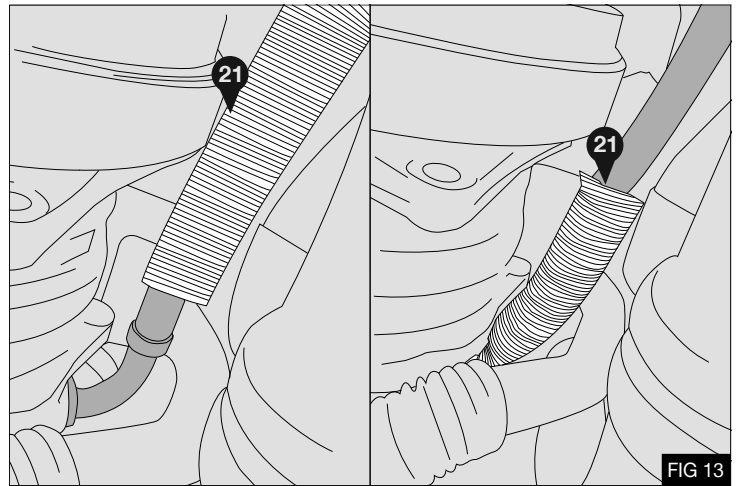
3. Route the discharge hose as shown and secure with 2x P clips (17) Nut (13) and bolt (12) - Fig 11



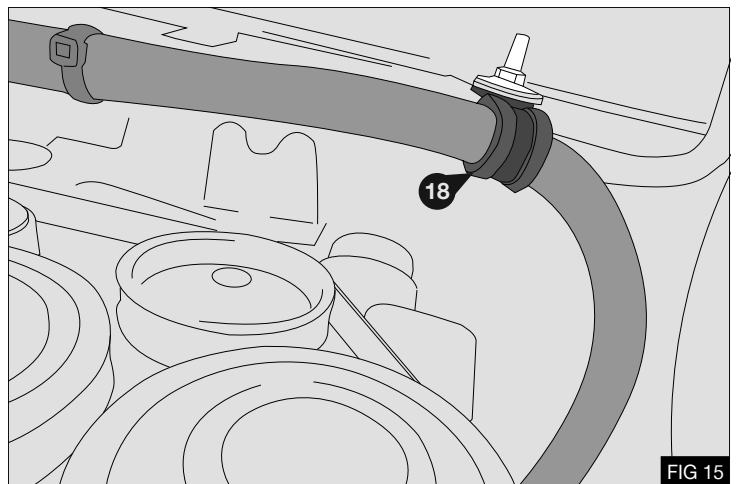
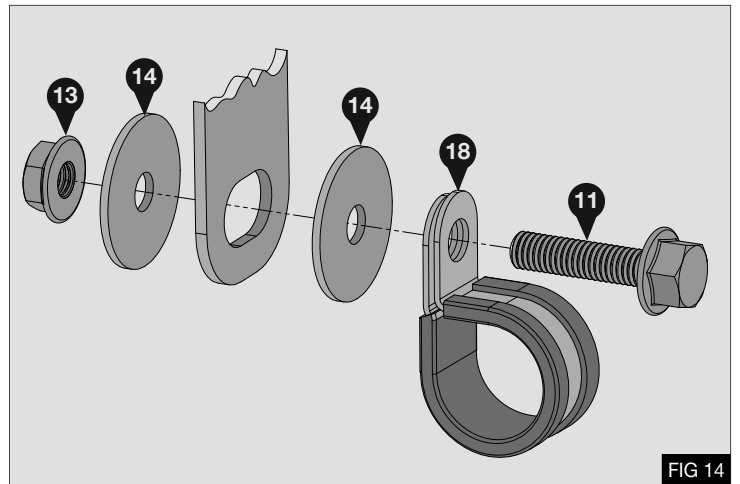
4. Secure the hose to the hole in the subframe using P clip (17) with M6x25 bolt (11) and nut (13) - Fig 12



5. Fit the thermal insulator (21) to the suction hose. Connect the hose to the compressor manifold and tighten. Once the fitting is tight cover with the insulator. - Fig13

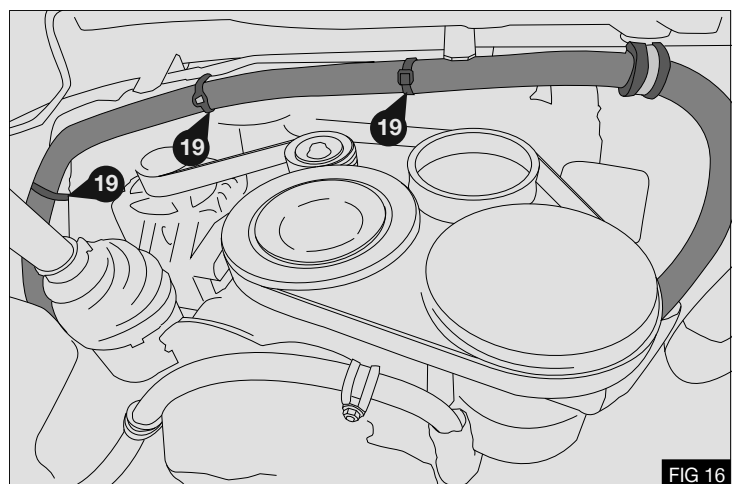


6. Secure the hose to the original point on the chassis using P clip (18) with 2x Washers (14) M6 x 25 bolt (11) and M6 nut (13). - Figs 14, 15



7. Route the suction hose as indicated and secure with cable ties (19) - Figs 16/17

CAUTION: Hoses must be positioned with adequate clearance to moving components.



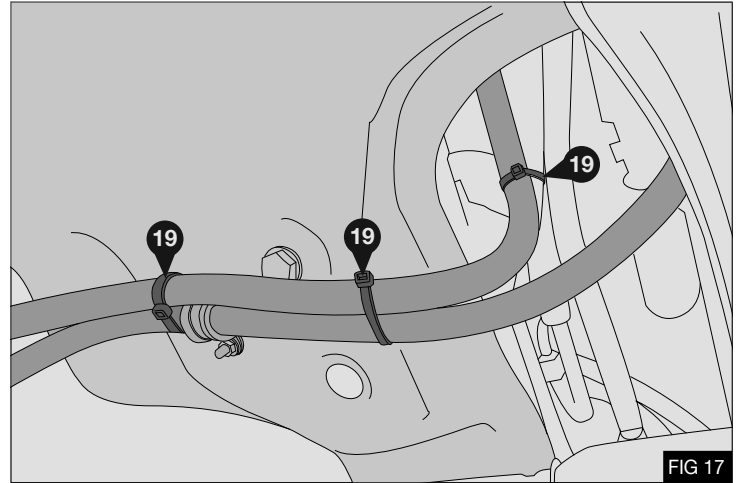


FIG 17

POST INSTALLATION

1. Re-fit the parts previously removed :
2. 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.

(EN)

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