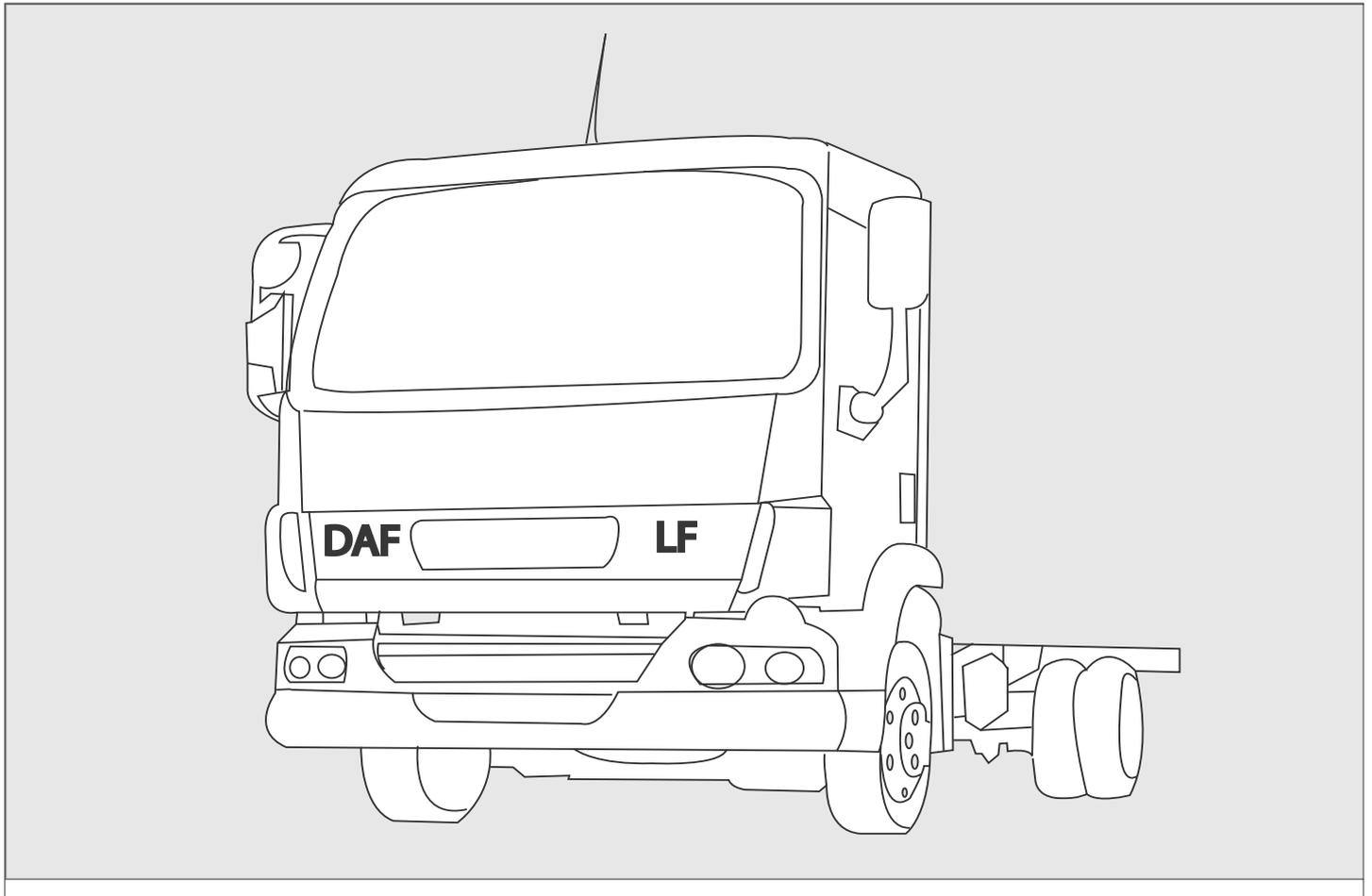


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VEHICLE DETAILS

Manufacturer	DAF
Make	LF45 / LF55
Model	140,160,180,210,220,250,280,300
Engine CC	4.5 L / 6.7 L
Engine Details	FR 136, 152 / GR165, 184, 210, 220
Year	09.10 >
Chassis Nos.	OL358507 >
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	24V

KIT DETAILS

Kit Part No.	0500.6322
Description	Standard Kit
Compressor RPM	3280
Fitting Time	120 Minutes
Suction Fitting	45°
Discharge Fitting	45°
Belt Type	8PK 1910
Belt Part No.	0820.5421

RECOMMENDED COMPRESSORS

SELTEC	-	-	TM21-HS
Comp No	-	-	0381.0632
Seltec No.	-	-	488-47246
Mounting	-	-	Direct
Rotor	-	-	8PV
Armature	-	-	3E
Diameter	-	-	141
Voltage	-	-	24
Orientation	-	-	-
Fitting	-	-	PAD
Manifold	-	-	Bolt

QUE	-	-	QP16-HD
Comp No	-	-	0391.0632
Que No.	-	-	QP21-1563
Mounting	-	-	Direct
Rotor	-	-	8PV
Armature	-	-	3E
Diameter	-	-	141
Voltage	-	-	24
Orientation	-	-	-
Fitting	-	-	PAD
Manifold	-	Bolt	Bolt

SANDEN	SD5H09	SD5H14	SD7H15
Comp No	-	-	-
Sanden No.	-	-	-
Mounting	-	-	-
Rotor	-	-	-
Armature	-	-	-
Diameter	-	-	-
Voltage	-	-	-
Orientation	-	-	-
Fitting	-	-	-

Notes

COMPRESSOR KIT CONFIGURATIONS

PART NUMBER	COMPRESSOR KIT PART NOS		DESCRIPTION	QTY.
	0521.6322	0591.6322		
0381.0632	●		TM21 Direct Mount 8PV 3E 141 24v PAD Bolt	1
0391.0632		●	QP16 Direct Mount 8PV 3E 141 24v PAD Bolt	1

● = Additional parts to standard kits.

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:

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

Check list:

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

Installation apparatus

- Calibrated torque wrench
- Hand service tools
- Protective covers and shields

2 PRECAUTIONS

- Detach the battery negative lead.
- Torque all bolts where stated using a calibrated torque wrench.
- Take extreme care with moving parts.
- Remove the vehicles ignition key and keep it with you.
- Wear safeguards to 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.

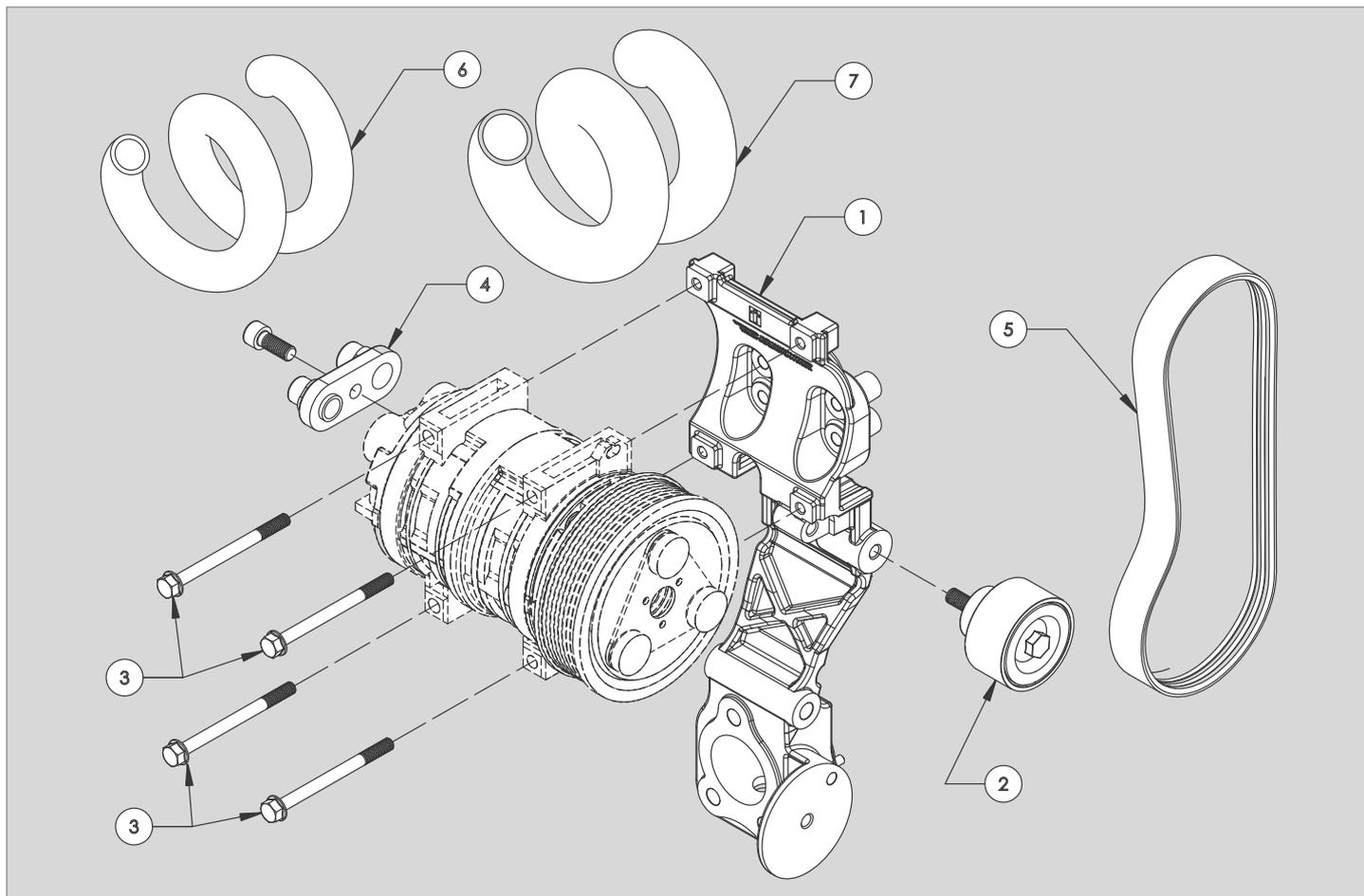
NB: This calls awareness to make the job easier or gives useful information.

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.

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

PARTS VIEW



ITEM	PART NO.	DESCRIPTION	QTY	COMMENTS
1	0440.5103	CMB - DAF 45/55/65 FR/ GR E5 TM / QP21	1	-
2	1700.5011	Idle Pulley - 65 x 32 x 57 including bolts	1	-
3	2704.5361	Hex flange bolt - M8 x 100 : 1.25 - 8.8	4	-
4	0425.0511	Manifold - Sanden / Seltec / QUE ST H 3/4 x 7/8	1	-
5	0820.5421	Belt - Poly Groove 8PK 1910	1	-
6	1430.0142	Heat Shield Sleeve ID20, L 0.5	1	-
7	1430.0162	Heat Shield Sleeve ID30, L 0.5	1	-

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. Disconnect the battery.
2. Loosen the radiator cap **A** - Fig.1
3. Place a suitable container under the radiator drain plug **C** to catch the coolant.
4. Remove and retain the radiator drain plug **C** and drain the coolant - Fig.2
5. Remove and retain the engine side panel **D** secured by 2 x M8 bolts - Fig.3
6. Remove and retain the intercooler pipe **E** secured by 2 x jubilee clips and 1 x M8 nut - Fig.3
7. Remove and retain the intercooler support bracket **F** secured by 2 x M8 bolts - Fig.3
8. Rotate the automatic belt tensioner **G** using a 1/2" drive bar and remove the original drive belt **H** - Fig.3
9. Remove and retain the automatic belt tensioner **G** from the bracket **I** - Fig.3
10. Remove the wiring loom from the alternator **J** - Fig.3
11. Remove and retain the bolts M10 x 110 and M10 x 45, securing the alternator **J** to the bracket **I** - Fig.3
12. Remove and retain the alternator **J** - Fig.3
13. Remove and retain the 4 off M8 x 50 bolts **K** securing the top of the bracket **I** - Fig.3
14. Undo the flare nut **L** securing the pipe mounted on the bottom of the bracket **I** using a 19MM flare nut spanner **M** - Fig.4
15. Remove and retain the 2 off M10 x 110 bolts **N** and 1 off M10 x 45 bolt **O** securing the bracket **I** - Fig.4
16. Remove and retain the original bracket **I** - Fig.4

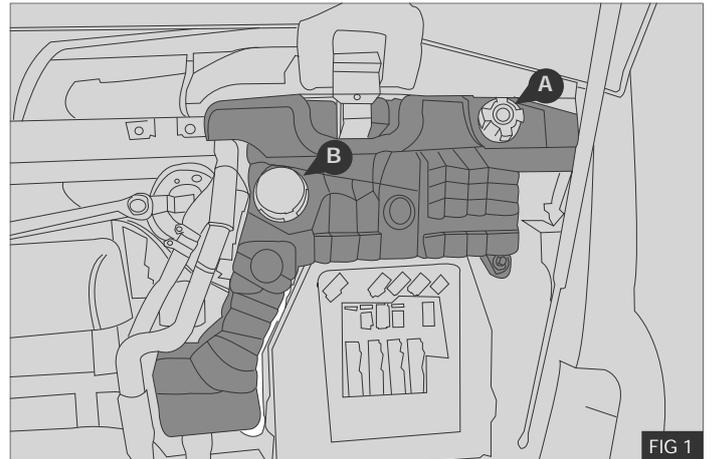


FIG 1

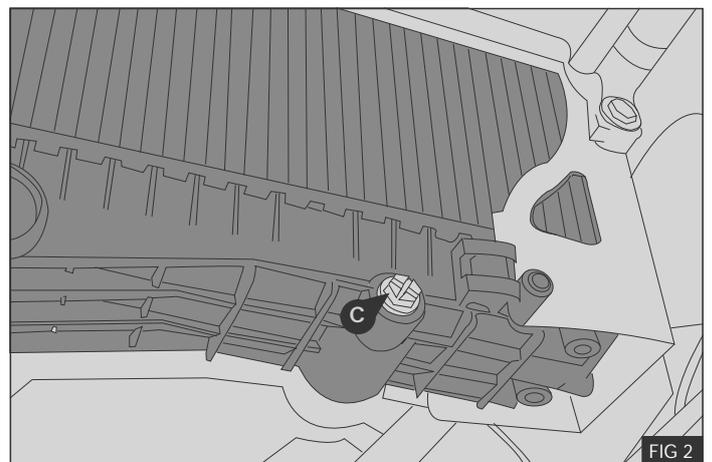


FIG 2

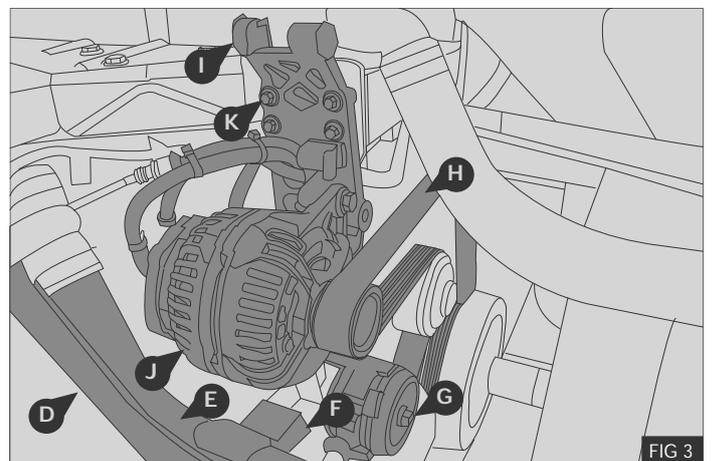


FIG 3

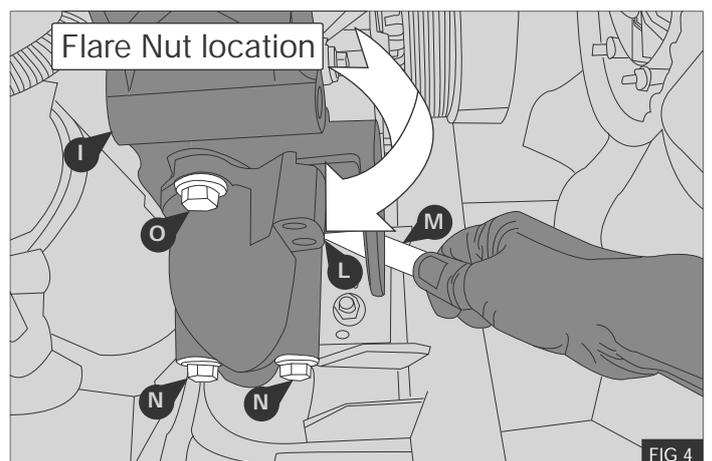


FIG 4

17. Remove the pin (P) from the original bracket (I) and fit to the supplied bracket (1) - Fig.5

18. Remove the fitting (S) and O-ring (R) from the original bracket and fit to the supplied bracket (1) - Fig.5

INSTALLATION

1. Mount the bracket assembly (1) using 2 off M10 x 110 bolts (N) and 1 off M10 x 45 (O) previously removed, do not fully tighten - Fig 6

N.B Fit the original wiring loom through the supplied bracket before mounting - Fig.6

2. Connect the original pipe to the fitting on the bottom of the bracket with the flare nut (L), do not fully tighten.
3. Fit the 4 off M8 x 50 bolts (K), do not fully tighten.

N.B Make sure that the original engine lift bracket is in position between the bracket (1) and the engine.

4. Torque the three M10 bolts (N) & (O) to 35Nm / 26 lb.ft
5. Torque the four M8 x 50 bolts (K) to 25Nm / 18 lb.ft
6. Tighten the pipe flare nut (L) - Fig.4
7. Fit the automatic belt tensioner (G) to the supplied bracket (1) and torque the fixing bolt to 35Nm / 26 lb.ft - Fig.7
8. Fit the alternator (J) to the supplied bracket (1) using the original bolts and torque to 35Nm / 26 lb.ft
9. Reconnect the wiring loom to the alternator (J)
10. Fit the supplied idle pulley (2) to the bracket (1) and torque to 35Nm / 26 lb.ft - Fig.7
11. Fit the compressor (Q) to the bracket (1) using the supplied four off M8 x 100 bolts (3) and torque to 25Nm / 18 lb.ft - Fig.8

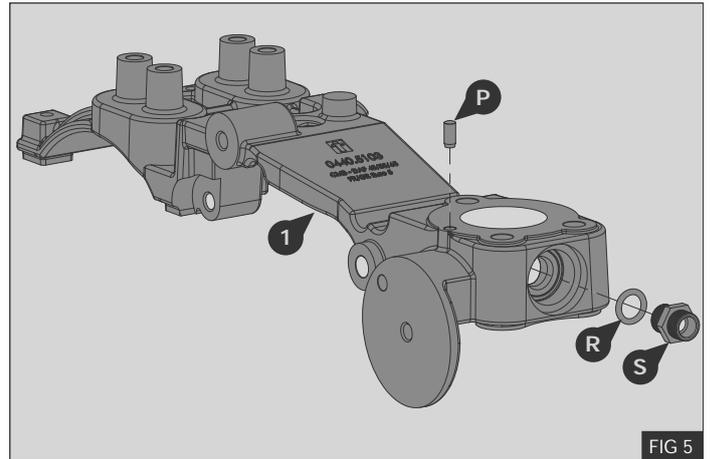


FIG 5

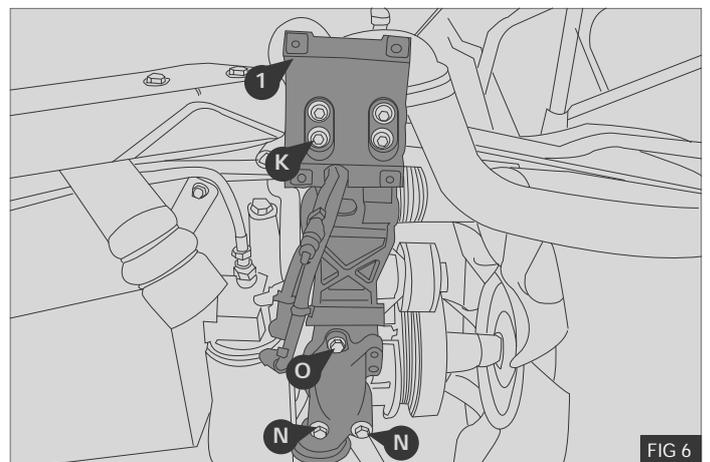


FIG 6

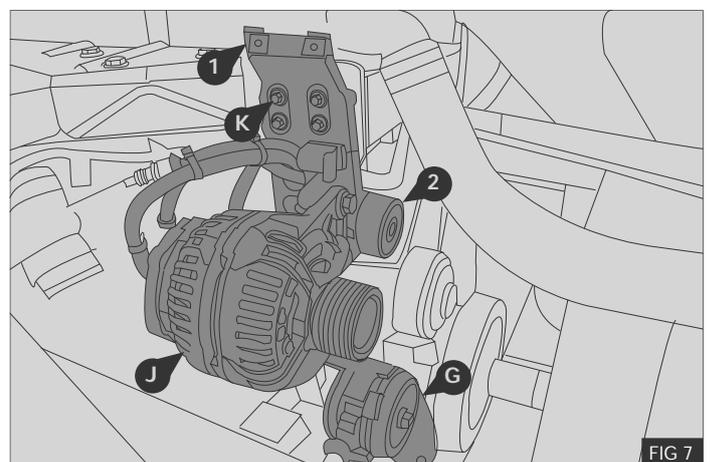


FIG 7

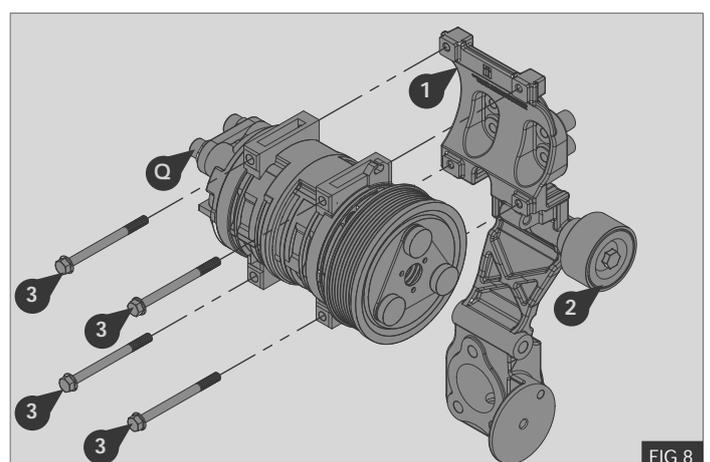
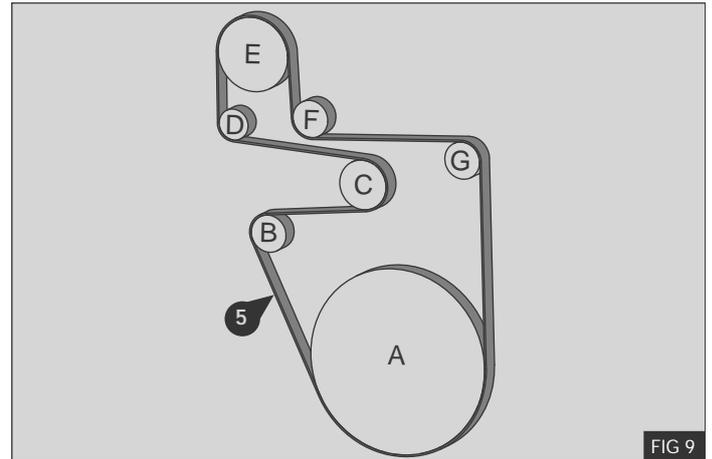


FIG 8

DRIVE BELT

1. Fit the supplied poly groove drive belt ⑤ to the configuration shown - Fig.9
- A. Crank Pulley
 - B. Tensioner
 - C. Water Pump
 - D. Alternator
 - E. Compressor
 - F. Idle Pulley
 - G. Idle Pulley



POST INSTALLATION

1. Refit the inter cooler support bracket ⑥ and secure by 2 x M8 bolts - Fig.3
2. Refit the intercooler pipe ⑦ and secure by 2 x jubilee clips and 1 x M8 nut - Fig.3
3. Refit the engine side panel ⑧ and secure by 2 x M8 bolts - Fig.3
4. Refit the radiator drain plug ⑨ and refill the radiator with the coolant fluid previously removed via the filling points ⑩ & ⑪ - Fig.1
5. Reconnect the battery.
6. 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. Re-check the coolant level. Attach the supplied warning label on to a suitable location.