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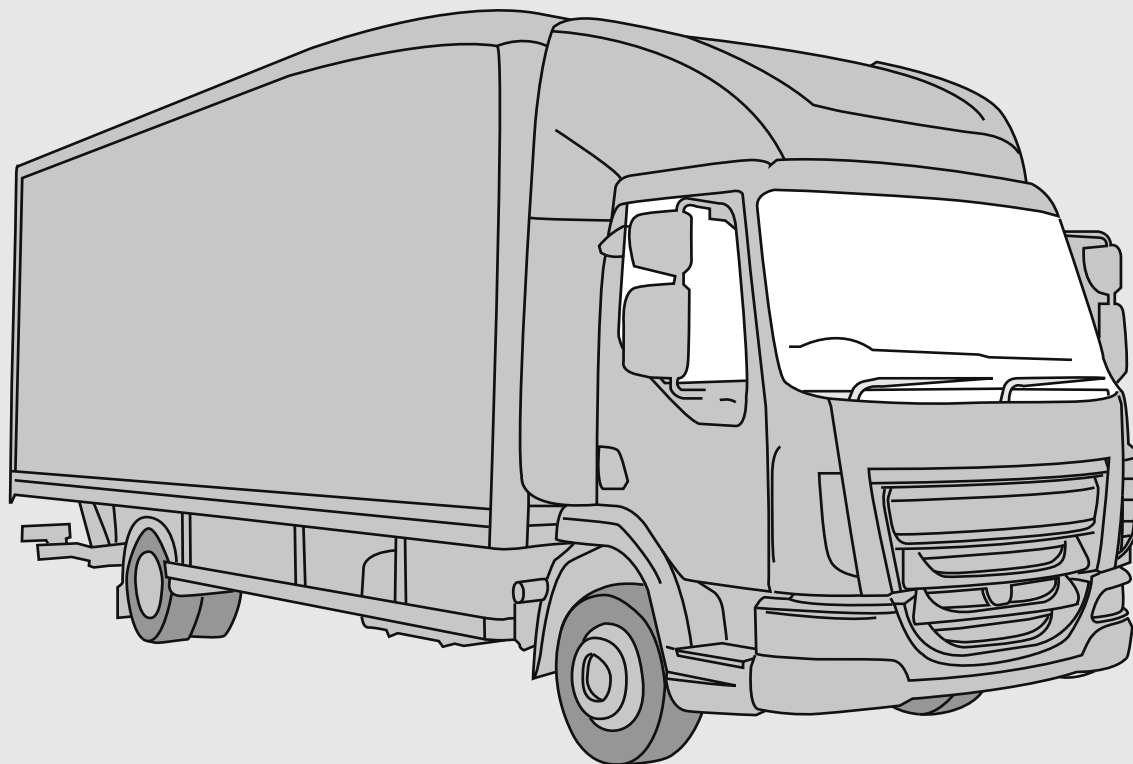
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## VEHICLE DETAILS

Manufacturer	DAF
Make	LF
Model	LF 150 / LF 180 / LF 210
Engine CC	4.5 L PX-5 PACCAR
Engine Details	112 / 135 / 157 kW
Year	2014>
Chassis Nos.	OL543200>
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	24v

## KIT DETAILS

Kit Part Number	0500.7312
Description	Standard Kit
Compressor RPM	3212 @ Max engine power output
Fitting Time	60 Minutes
Suction Fitting	Straight
Discharge Fitting	Straight
Belt Type	8PK 2380
Belt Part Number	0820.7131

## RECOMMENDED COMPRESSORS

SELTEC	TM-21-HS	TM16-HS	
Comp No.	0381.5372	0381.5432	-
Seltec No.	-	-	-
Mounting	Direct	Direct	-
Rotor	8PV	8PV	-
GL	61.5mm	61.5mm	-
Armature	3E	3E	-
Diameter	127	123	-
Voltage	24	24	-
Orientation	-	H	-
Fitting	Pad	3/4 x 7/8	-
Manifold	Bolt	Bolt	-

QUE	QP21-HD	QP16-HD	
Comp No.	0391.5372	0391.5432	-
Que No.	QP21-1704	QP16-1665	-
Mounting	Direct	Direct	-
Rotor	8PV	8PV	-
GL	61.5mm	61.5mm	-
Armature	3E	3E	-
Diameter	127	123	-
Voltage	24	24	-
Orientation	-	H	-
Fitting	Pad	3/4 X 7/8	-
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.
	0521.7312	0516.7312	0591.7312	0596.7312		
0381.5372	●				TM21 Direct Mount 8PV 3E 127 24V Pad Bolt	1
0381.5432		●			TM16 Direct Mount 8PV 3E 123 24V H Bolt	1
0391.5372			●		QP21 Direct Mount 8PV 3E 127 24V Pad Bolt	1
0391.5432				●	QP16 Direct Mount 8PV 3E 123 24V H 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:**

- 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 vehicles ignition key and keep it with you.
- e** 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.

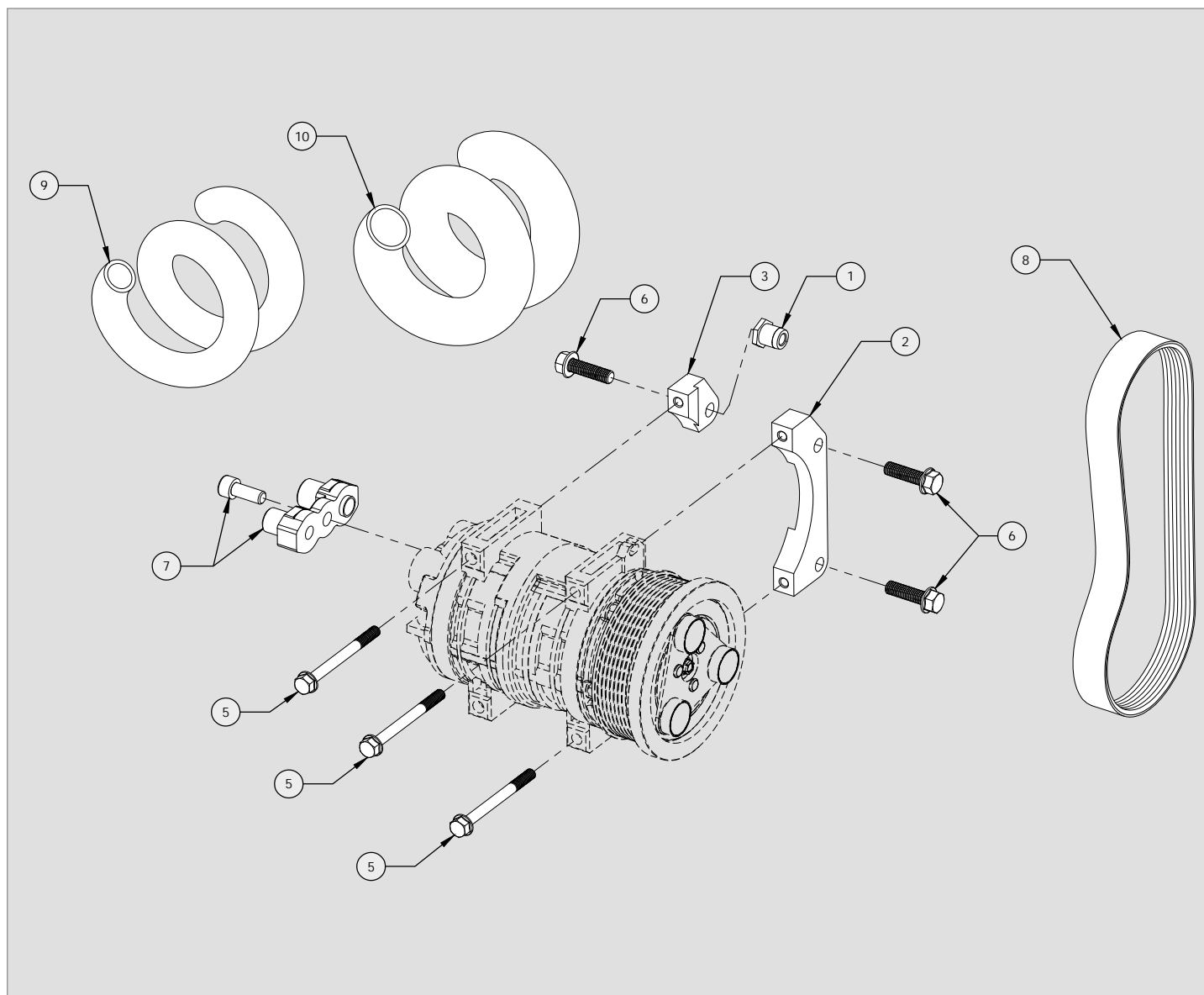
**NB:** This calls awareness to make the job easier or gives useful information.

## 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	1710.5141	Spacer Compressor - 16.0 OD x L 16.0 ~ M10 x 20 AF	1	
2	3020.6001	Front Support Plate	1	
3	3020.6011	Rear Support Plate	1	
4	0290.7312	Fastener Pack - CMK 0500.7312 (not shown)	1	
5	2704.5381	Hex flange bolt - M8 x 90 : 1.25 - 8.8	3	
6	2705.0241	Hex flange bolt Durlok - M10 x 35 : 1.50 - 12.9	3	
7	0425.0511	Manifold Compressor H-3/4 x 7/8	1	
8	0820.7131	Belt - Poly Groove 8PK 2380	1	
9	1430.0142	Heat Shield Sleeve ID20, L0.5	1	
10	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. Following the manufacturer's guidelines tilt the vehicle cab.
2. Disconnect the battery.

### Remove the following parts:

3. Using a suitable tool rotate the automatic belt tensioner pulley **A** anti-clockwise - Fig.1
4. Release the belt tension **A** and remove and discard the original drive belt **B** - Fig1.

## INSTALLATION

1. Fit the supplied insert **1** into the original manufacturer's compressor bracket boss as shown - Fig 2.

**Note:** Add Loctite 641 shaft lock compound to the insert **1** before installing into the compressor boss as shown - Fig 2.

2. Fit the front support plate **2** and rear support plate **3** securing with M10x35 bolts **6**. -Fig 3

**Note:** Do not fully tighten the bolts **6** at this stage.

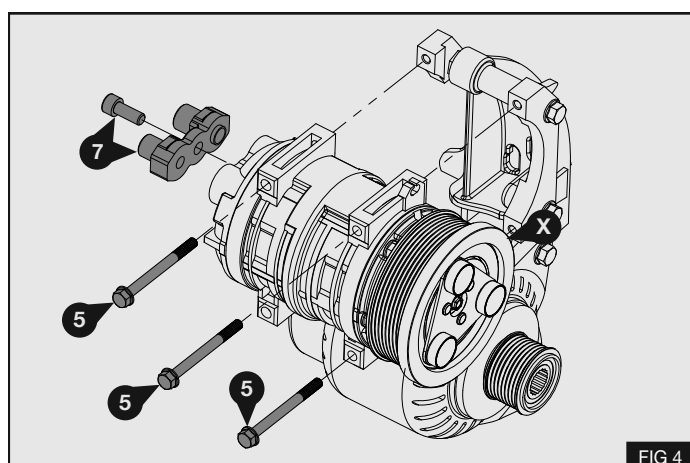
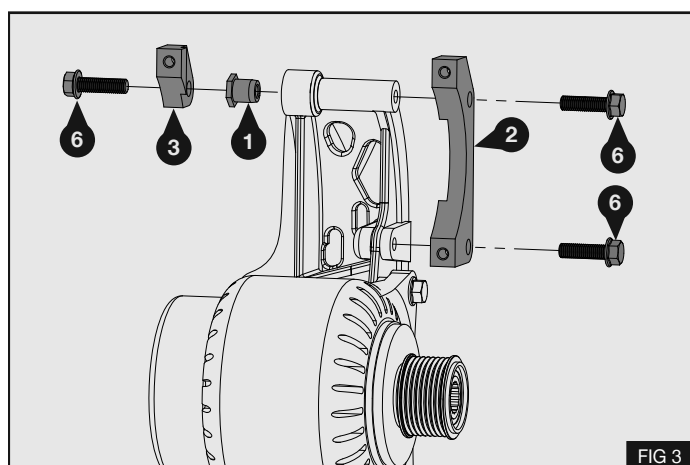
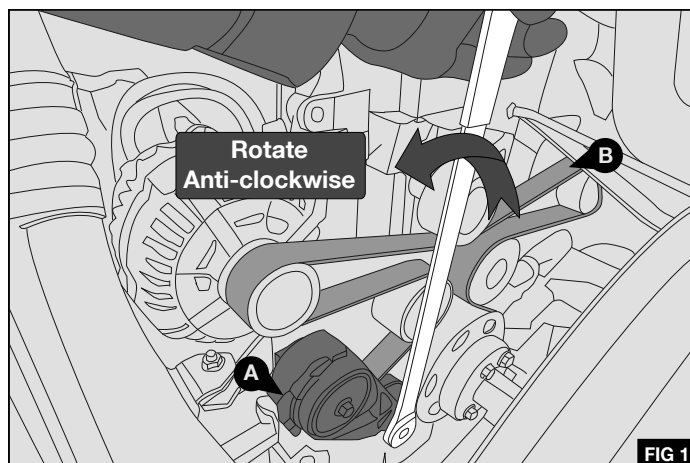
3. Install the compressor manifold assembly **7** to the compressor **X** (not supplied). -Fig 4

Torque bolt **7** to 50Nm / 37Lbft

4. Install the compressor assembly onto the support plates **2** and **3** using M8x90 bolts **5** -Fig 4

Torque bolts **6** to 50Nm / 37Lbft

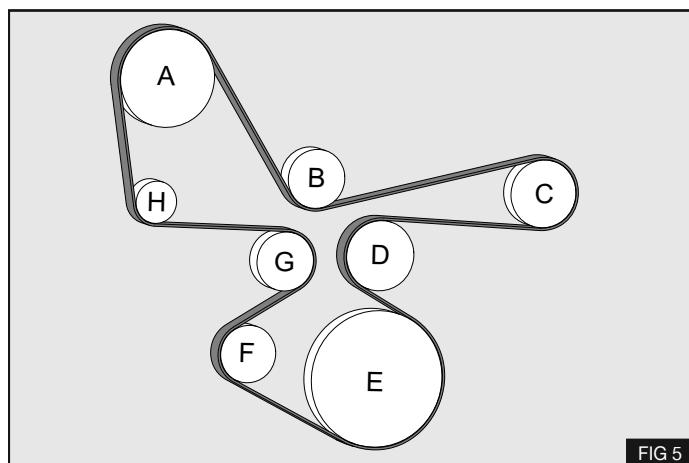
Torque bolts **5** to 25Nm / 18Lbft



## DRIVE BELT

1. Fit the supplied drive belt (8) to the configuration shown - Fig 5

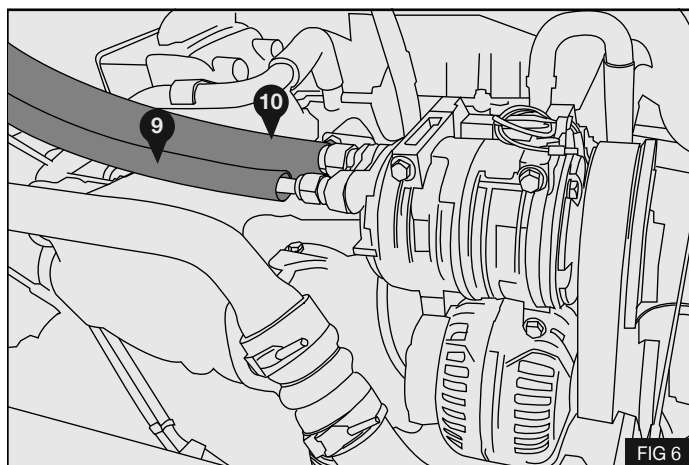
- A. Compressor
- B. Idle Pulley
- C. Water Pump
- D. Idle Pulley
- E. Crankshaft Pulley
- F. Automatic Tensioner
- G. Idle Pulley
- H. Alternator



## COMPRESSOR HOSES

1. Apply the supplied heat shield tubes (9) and (10) to the refrigerant hoses (not supplied). Route hose in the direction indicated to obtain optimum clearance to cabin underside -Fig 6

**Caution:** Do not route hoses too close to extreme heat sources.



## 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.

**Note**