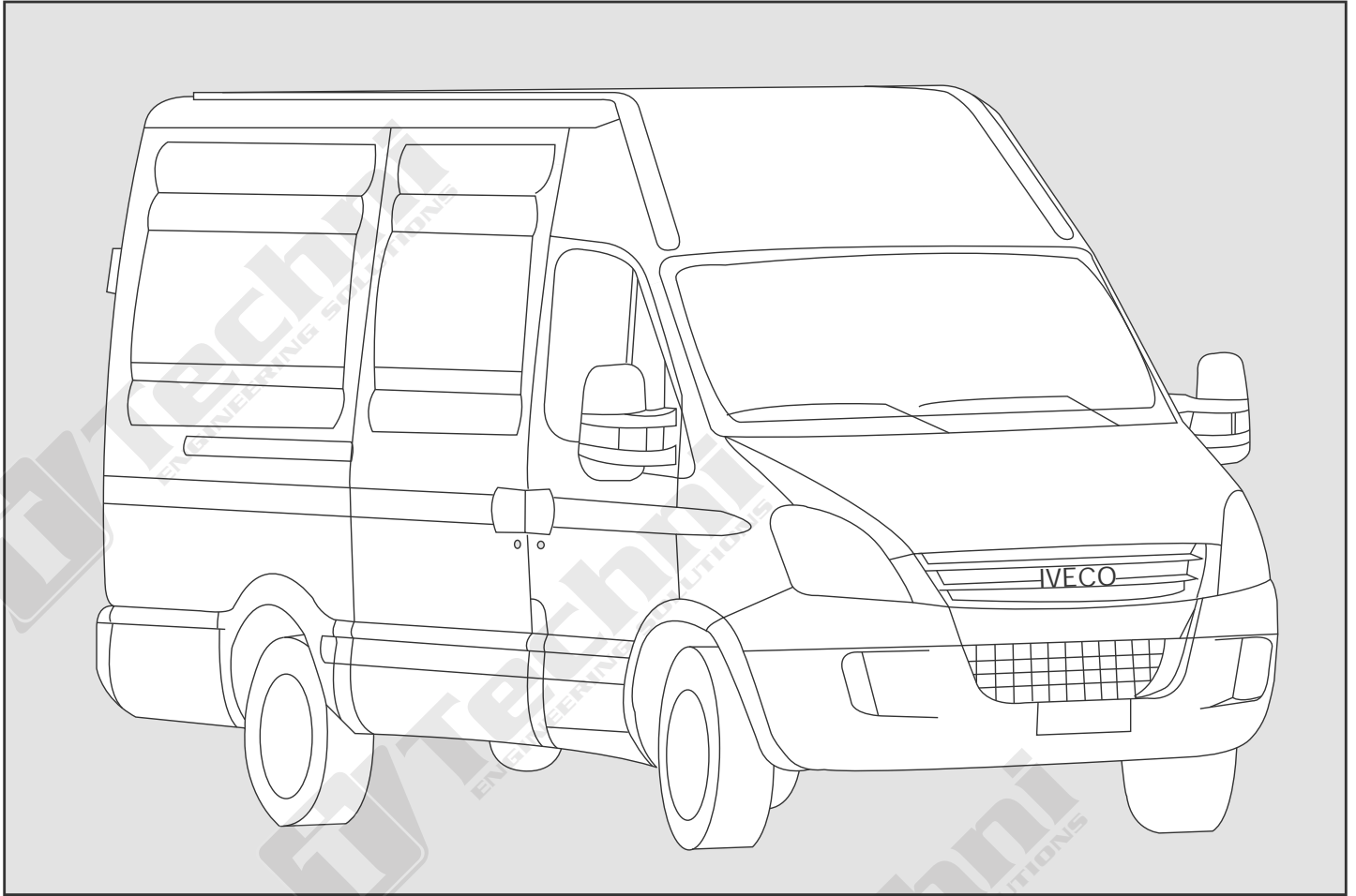


Einbauanleitung | Manuel d'instruction de montage | Manuale di istruzioni per l'installazione
Manual de instrucciones de instalación montaje

Fitting
Instruction
Fitting
Instruction
Manual

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**VEHICLE DETAILS**

Manufacturer	Iveco
Make	Daily
Model	29 L 10, 29 L 12, 35 S 12 35 C 10, 35 C 12, 35 S 14, 40 C 12
Engine CC	2286cc - 96 / 116 / 136 HP
Engine Details	Unijet F1AE0481
Year	2002>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	12v

KIT DETAILS

Kit Part No.	0500.2632
Description	Standard Kit
Compressor RPM	3000 @ Max Engine Power Output
Fitting Time	45 Minutes
Suction Fitting	90°
Discharge Fitting	90°
Belt Type	4PK 872
Belt Part No.	0820.1661

COMPATIBLE COMPRESSORS

SELTEC	TM-13 HS	TM15-HS	TM16-HS
Comp No	0381.0352	0381.5002	0831.0372
Alt 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	0391.0352	0391.5002	0391.0372
Que No.	QP15-1274	QP15-1548	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

SANDEN	SD5H09	SD5H14	SD5H15
Comp No	-	0300.0451	0300.1961
Sanden No.	-	6628	8027
Mounting	-	Ear	Ear
Rotor	-	7PV	8PV
Armature	-	SL	SL
Diameter	-	124	125
Voltage	-	12	12
Orientation	-	H	H
Fitting	-	3/4 x 7/8	3/4 x 7/8

Notes

COMPRESSOR KIT CONFIGURATIONS

PART NUMBER	COMPRESSOR KIT PART NOS						DESCRIPTION	QTY.
	0513.3922	0515.3922	0516.3922	0593.3922	0595.3922	0596.3922		
0381.0352	●						TM13 Ear Mount 8PV 3E 123 12V H 3/4 x 7/8 Bolt	1
0381.5002		●					TM15 Ear Mount 8PV 3E 123 12V H 3/4 x 7/8 Bolt	1
0381.0372			●				TM16 Ear Mount 8PV 3E 123 12V H 3/4 x 7/8 Bolt	1
0391.0352				●			QP13 Ear Mount 8PV 3E 123 12V H 3/4 x 7/8 Bolt	1
0391.5002					●		QP15 Ear Mount 8PV 3E 123 12V H 3/4 x 7/8 Bolt	1
0391.0372						●	QP16 Ear Mount 8PV 3E 123 12V H 3/4 x 7/8 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 eye safeguards and 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.

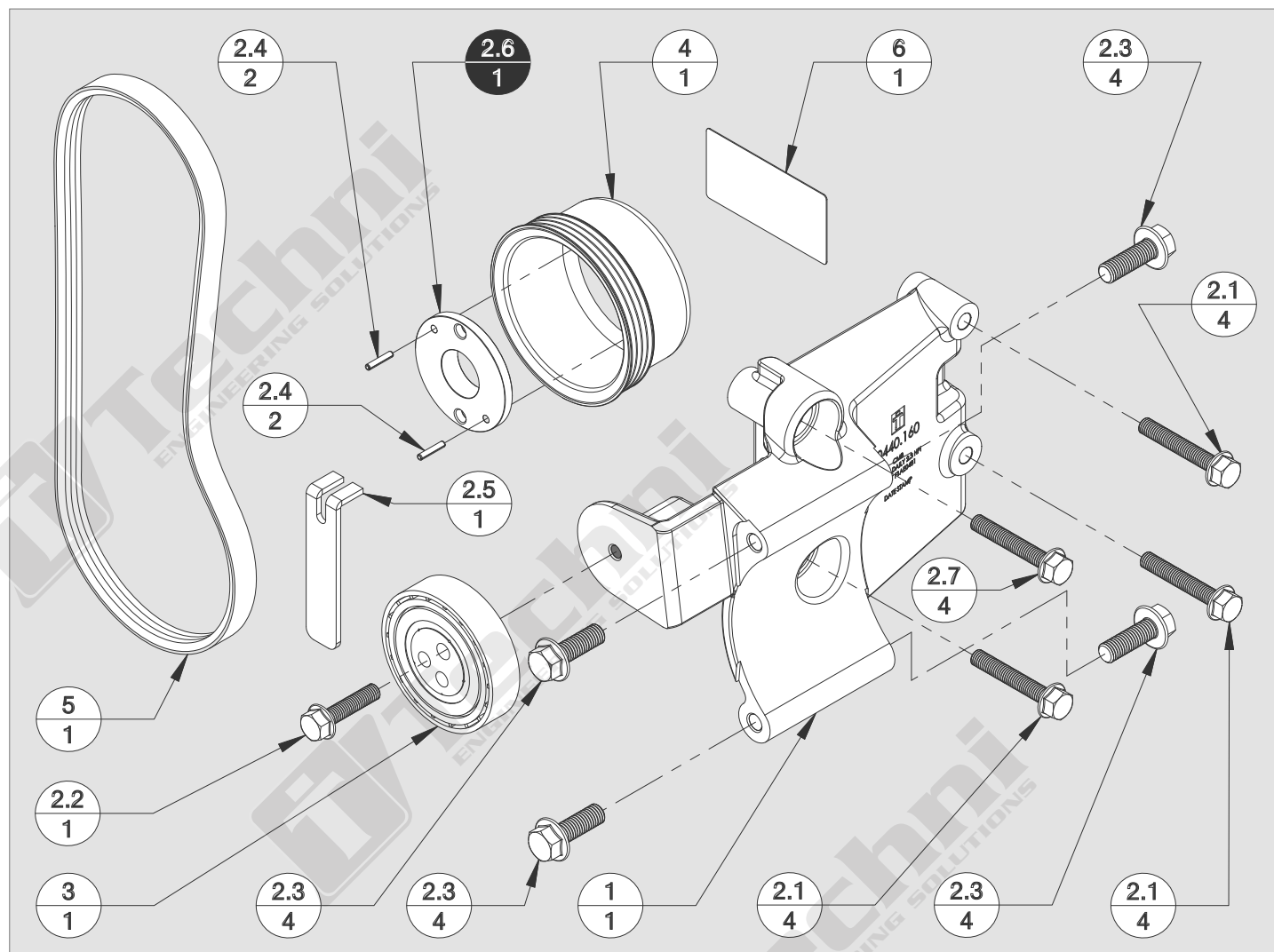
NB: This calls awareness to make the job easier or gives useful information.

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



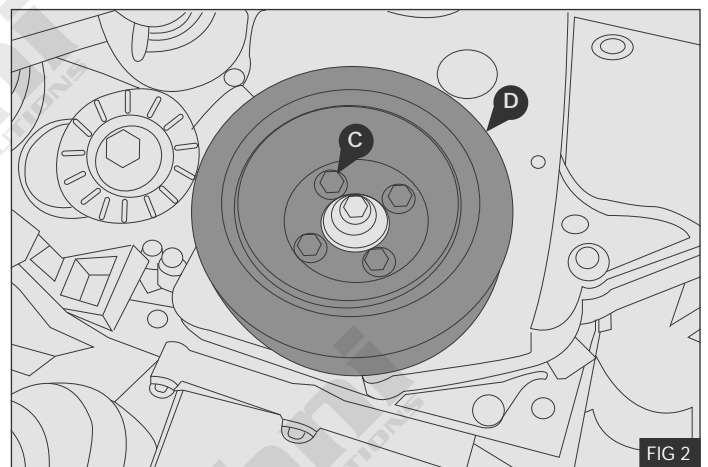
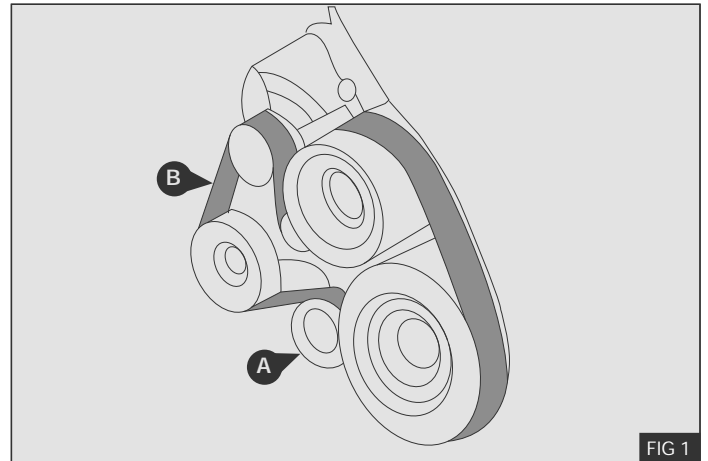
ITEM	PART NO.	DESCRIPTION	QTY.	COMMENTS
1	0441.1603	Compressor Mount Bracket - Assembly	1	-
2	0290.2632	Fastner Pack - 0500.2632	1	Not Shown
2.1	2704.0101	Hex flange bolt Durlok - M8 x 50 : 1.25 - 12.9	3	-
2.2	2704.0481	Hex flange bolt Durlok - M8 x 35 : 1.25 - 12.9	1	-
2.3	2705.0491	Hex flange bolt Durlok - M10 x 30 : 1.50 - 12.9	4	-
2.4	2762.0031	Spring Pin ISO 8752 - 3 x 16	2	-
2.5	3020.3863	Eccentric Pulley Adjusting Tool	1	-
2.6	2803.3113	Pulley Drilling Jig	1	Not Included
2.7	2704.0161	Hex flange bolt Durlok - M8 x 45 : 1.25 - 12.9	3	-
3	1700.0371	Eccentric Idle pulley	1	-
4	1701.0463	Crankshaft Drive Pulley	1	-
5	0820.1661	Belt - Poly Groove 4PK	1	-
6	2902.2632	Belt Label - 0500.2632	1	-
7	2901.2631	Installation instructions - 0500.2632	1	Not Shown

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.

Dismantle the following:

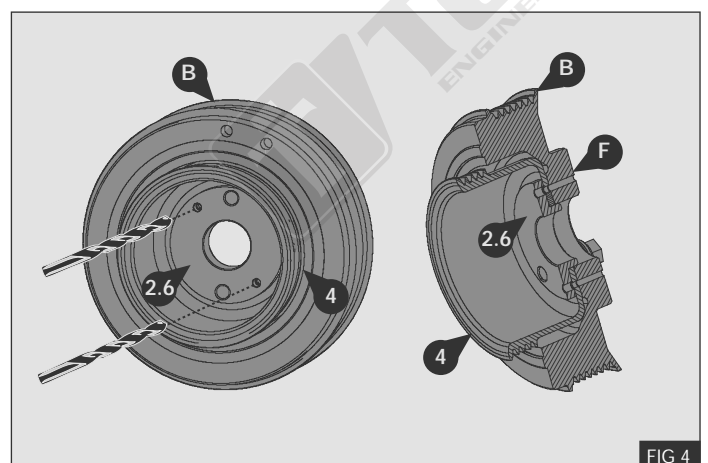
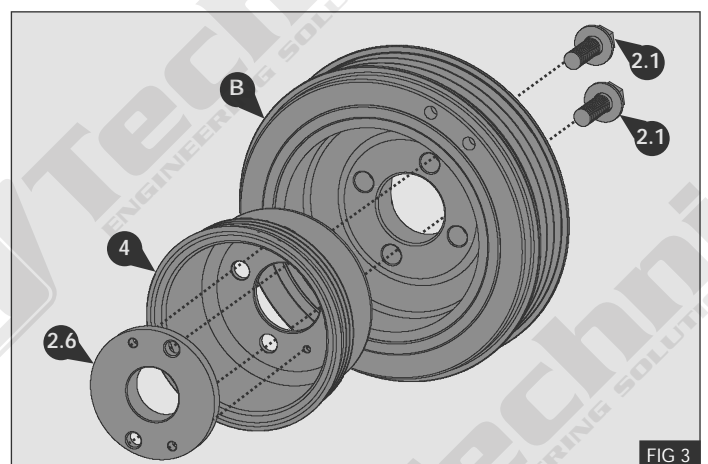
1. Remove the engine under panel 2 x M6 Bolts and 4 x M8 self tapping screws.
2. Using a suitable tool rotate the automatic belt tensioner pulley **A** clockwise - Fig.1
3. Remove the original manufacturers poly groove drive belt **B**, noting the original routing, if different from the diagram shown in Fig.1 report your findings to your Kit/System supplier before proceeding.
4. Remove and retain the four crankshaft pulley bolts **C** - Fig 2
5. Remove and retain the crankshaft pulley **D** from vehicle



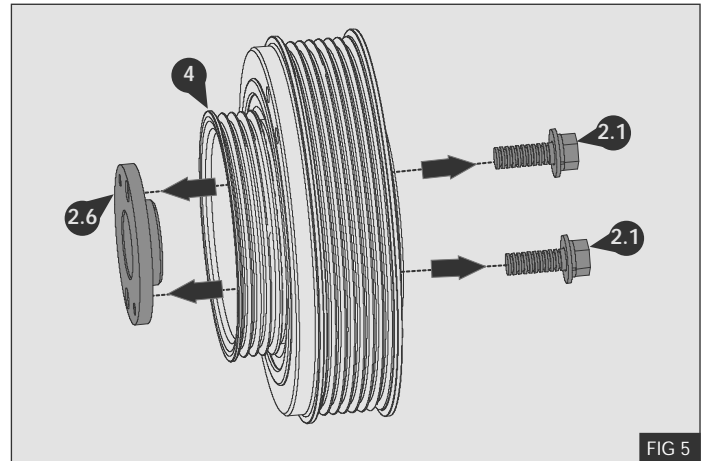
CRANKSHAFT PULLEY INSTALLATION

Note: Follow the procedure carefully to insure correct positioning of the compressor drive pulley. For pre-drilled crankshaft pulleys go directly to Step 7

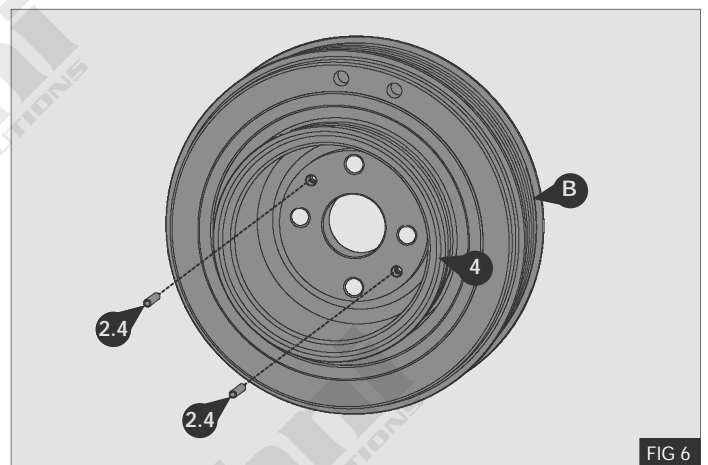
1. Install the supplied drive pulley **4** and drive pulley drilling jig **2.6** into the crankshaft pulley **B** - Fig 3
2. Fit the two M8 x 50 bolts **2.1** through the original crankshaft pulley **B** and supplied drive pulley **4** and into the drilling jig **2.6** - Fig 3.
3. Torque bolts to 25Nm / 18lb.ft.
4. Drill 2 x 3mm holes through the pre-drilled holes in the drilling jig **2.6** and drive pulley **4** and through the crankshaft pulley **B** - Fig 4
5. Remove any burrs from the rear mount face **F** of crankshaft pulley **B** to ensure correct fitment to crankshaft



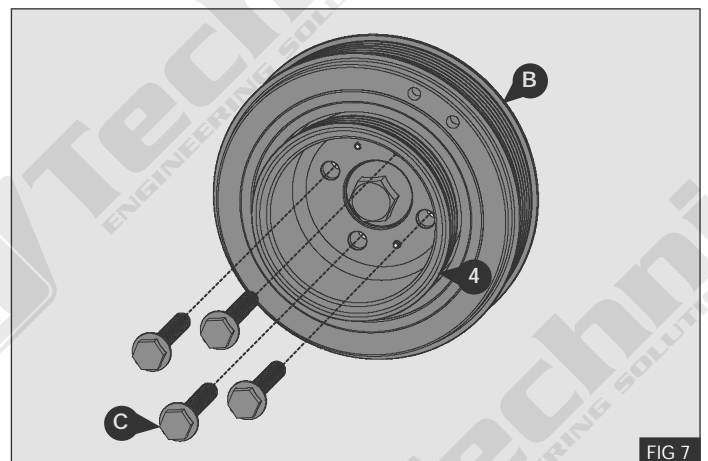
- Remove bolts (2.1) and pulley drilling jig (2.6) from drive pulley assembly - Fig 5



- Fit the supplied roll pins (4) into the two drilled holes - Fig 6.

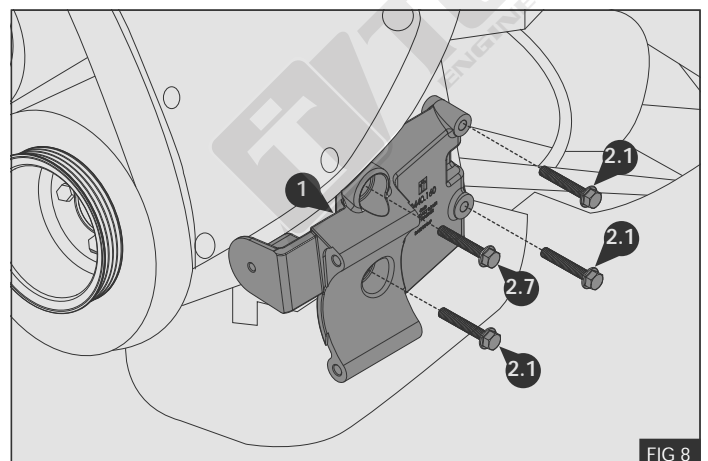


- Refit crankshaft pulley (B) and supplied compressor drive pulley (4) using original bolts (C) - Fig 7.
- Torque bolts to 30Nm / 22lb.ft.



COMPRESSOR MOUNT BRACKET INSTALLATION

- Fit the compressor mount bracket (1), to the engine using three bolts (2.1) M8 x 50 and one bolt (2.7) M8 x 45 - Fig 8
- Torque bolts (2.1) & (2.7) to 44Nm / 32Lb ft

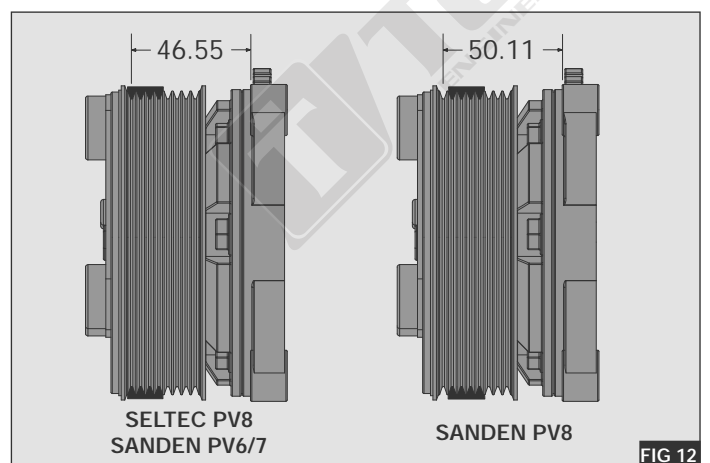
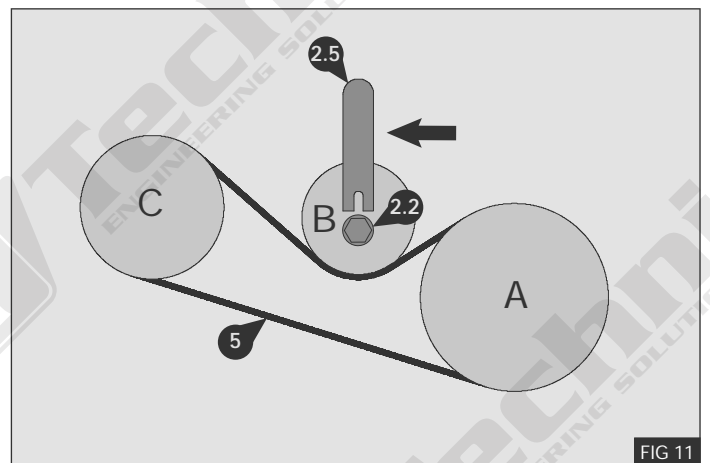
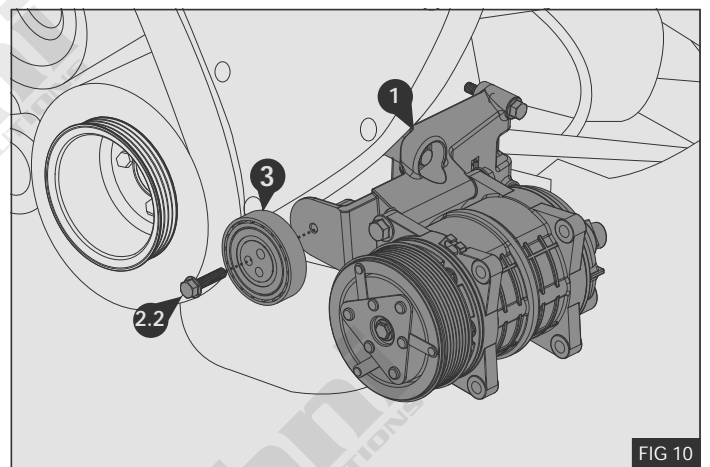
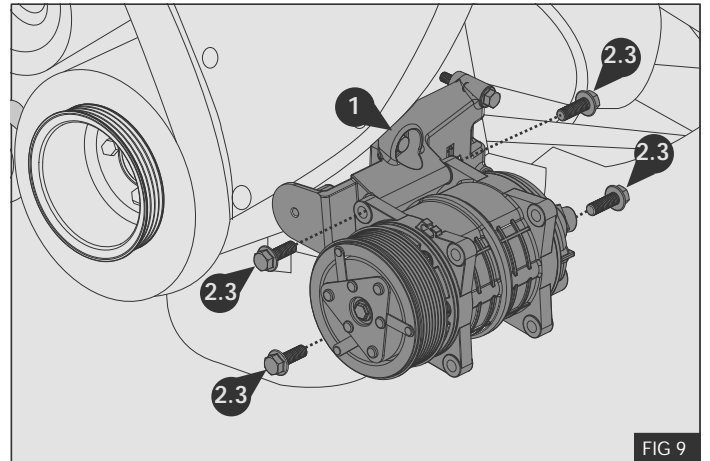


NB: Please refrain from using "Loctite" unless otherwise notified

3. Fit compressor to mount bracket ① using four bolts ②.3 M10 x 30 - Fig 9
4. Torque bolts ②.3 to 84Nm / 62lb.ft.
5. Fit the supplied Eccentric pulley ③ to the mount bracket ① using one bolt ②.2 M8 x 35, do not tighten at this stage - Fig 10

DRIVE BELT

1. Re-fit the original Alternator, Power steering & Fan Belt into position shown in Fig 1
2. Fit the compressor drive belt ⑤ - Fig 11
 - A. Compressor
 - B. Eccentric Pulley
 - C. Crank Pulley



NB: Where applicable and dependent on the compressor model, align the supplied drive belt by installing in the correct clutch groove - Fig.12 Seltec PV8 has the same gauge line (46.55) as the Sanden PV6 & PV7, belt is fitted to front groove. Sanden PV8 has a unique gauge line (50.11) in most cases, belt is fitted to second groove. If in any doubt, please check with your compressor supplier

3. Tension the drive belt to correct tension (see table) using the supplied eccentric tool ②.5, tighten bolt ②.2, to lock eccentric pulley
4. Torque bolt ②.2 to 44 Nm / 32 lb ft.

BELT TENSION TABLE		
Belt	Belt Age	Belt Tension Using the Belt Tension Gauge
4 PK	New Belt	48 - 56 kg
4 PK	Used Belt	36 - 40 kg

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 ⑥ on to a suitable location.

