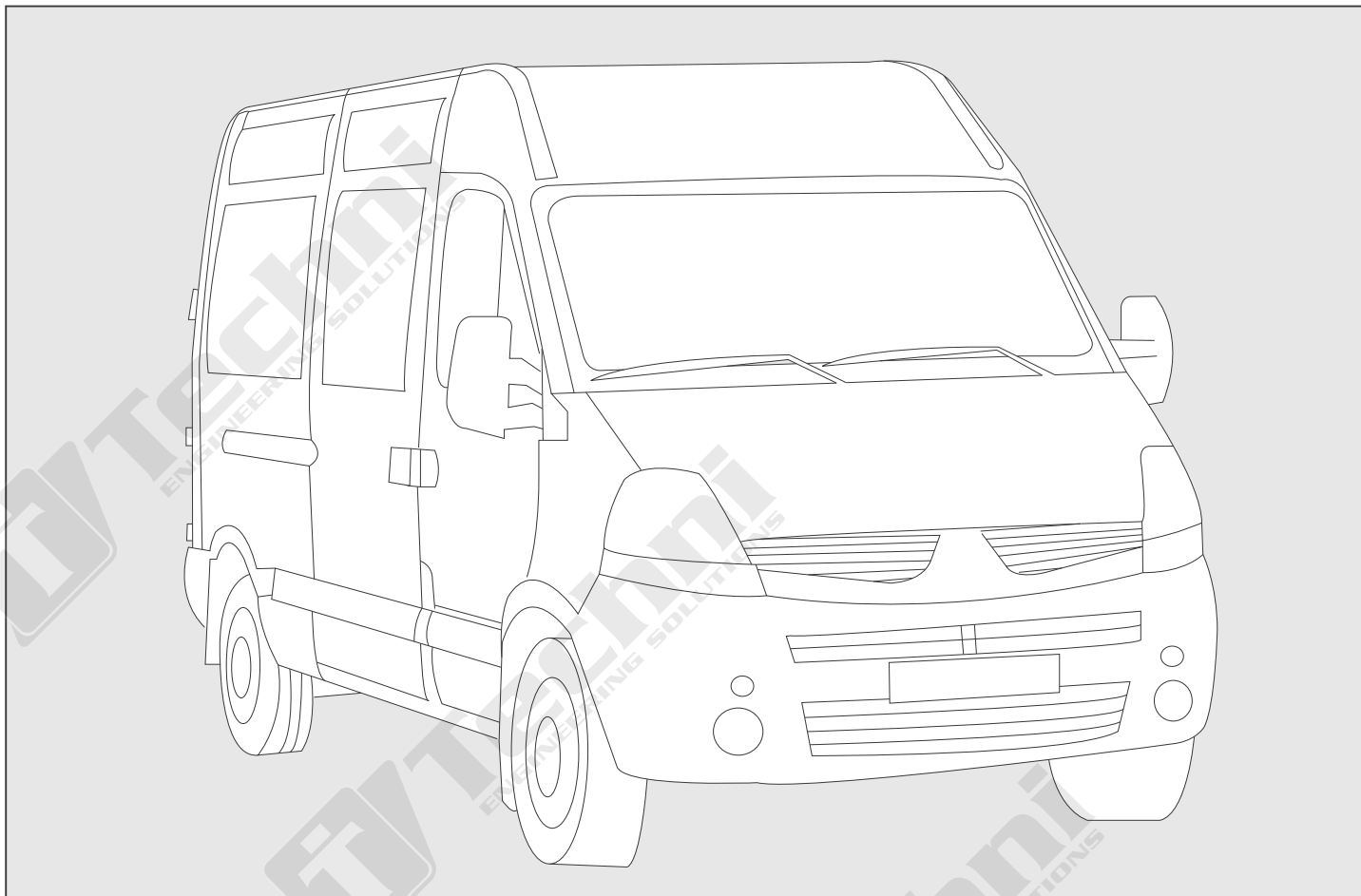


Einbauanleitung | Manuel d'instruction de montage | Manuale di istruzioni per l'installazione
Manual de instrucciones de instalación montaje

Fitting
Instruction
Fitting
Instruction
Manual

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VEHICLE DETAILS

Manufacturer	Nissan, Renault, Vauxhall, Opel
Make	Interstar, Master, Movano
Model	All
Engine CC	2.5 dCi, Dti
Engine Details	Euro 4
Year	2006>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	12v

KIT DETAILS

Kit Part No.	0500.3542
Description	Standard Kit
Compressor RPM	4350 @ Max Engine Power Output
Fitting Time	1 Hour
Suction Fitting	45°
Discharge Fitting	45°
Belt Type	7PK
Belt Part No.	0820.1741

Note: Vehicle must have factory PTO option.

RECOMMENDED COMPRESSORS

SELTEC	TM-13 HS	TM15-HS	TM16-HS
Comp No	0381.0352	0381.0032	-
Seltec No.	48844122	48845322	-
Monter	Ear	Ear	-
Rotor	8PV	8PV	-
Armature	3E	SL	-
Diameter	123	123	-
Voltage	12	12	-
Orientation	H	H	-
Fitting	3/4 x 7/8	3/4 x 7/8	-
Manifold	Bolt	Bolt	-

SANDEN	SD5H09	SD5H14	SD5H15
Comp No	-	0831.0461	-
Sanden No.	-	6629	-
Mounting	-	Ear	-
Rotor	-	7PV	-
Armature	-	SL	-
Diameter	-	124	-
Voltage	-	12	-
Orientation	-	V	-
Fitting	-	3/4 x 7/8	-

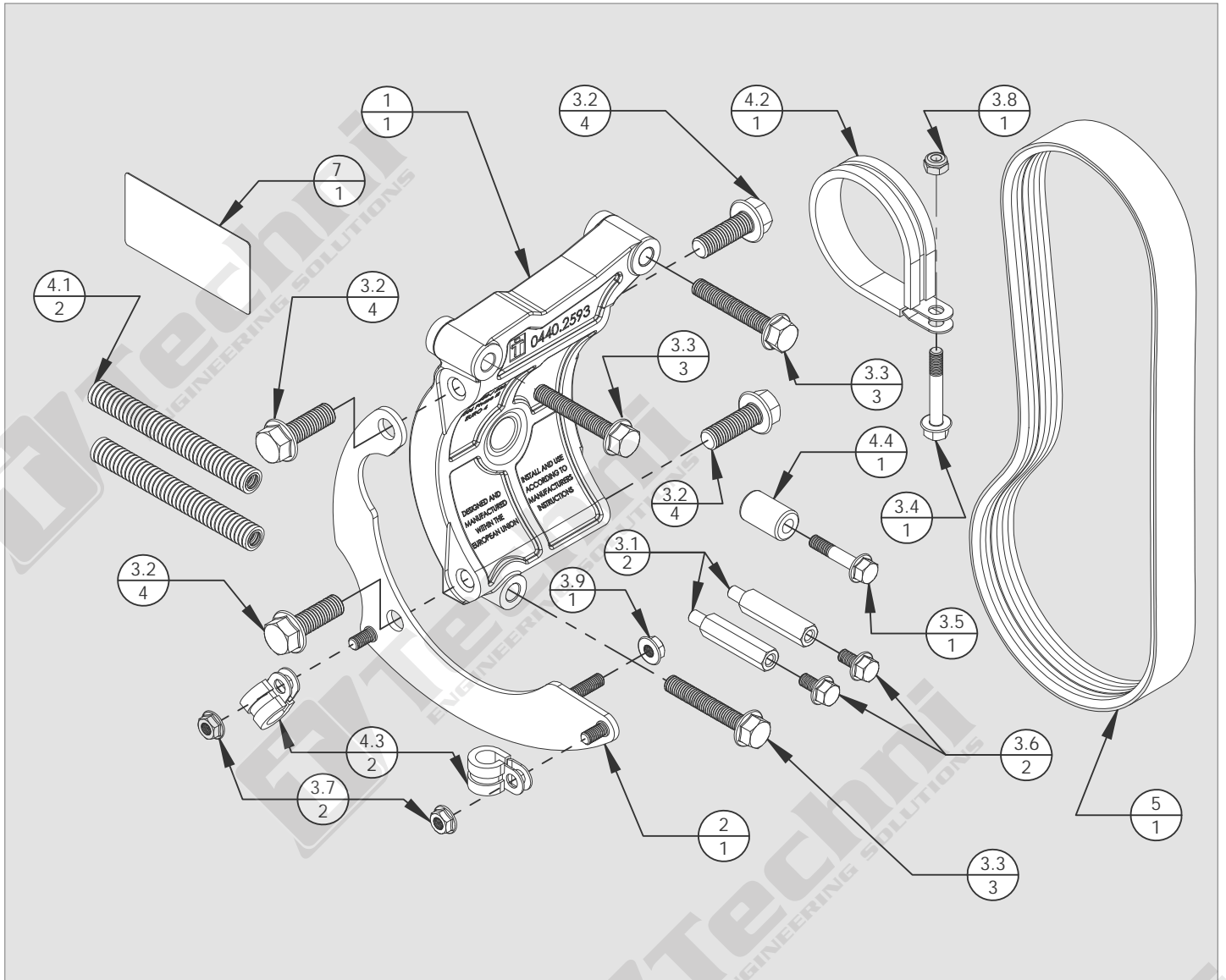
Notes

COMPRESSOR KIT CONFIGURATIONS

PART NUMBER	COMPRESSOR KIT PART NOS				DESCRIPTION	QTY
	0513.3542	0515.3542				
0381.0352	●				TM13 Ear Mount 8PV 3E 123 12V H 3/4 x 7/8 Bolt	1
0381.0032		●			TM15 Ear Mount 8PV SL 123 12V H 3/4 x 7/8 Bolt	1

● = Additional parts to standard kits.

PARTS VIEW



Notes

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	0440-2593	Compressor Mount Bracket	1	-
2	3020.4633	Support Plate PAS	1	-
3	0290.3542	Fastener Pack	1	Not Shown
3.1	2803.2791	Threaded Pillar	2	-
3.2	2705.0491	Hex flange bolt Durlok - M10 x 30 : 1.50 - 12.9	4	-
3.3	2704.0101	Hex flange bolt Durlok - M8 x 50 : 1.25 - 12.9	3	-
3.4	2702.0501	Hex Flange Bolt M6 X 40 : 1.00	1	-
3.5	2702.0511	Hex flange bolt M6 X 30 : 1.00	1	-
3.6	2702.0141	Hex flange bolt Durlok - M6 x 12 : 1.00 - 12.9	2	-
3.7	2732.0041	Hexagon flange nut Durlok - M6 : 1.00	2	-
3.8	2732.0031	Hex Nylon Insert Lock Nut M6 - DIN 985	1	-
3.9	2732.0081	Hexagon CARP Nut - M6 : 1.00 with Washer	1	-
4	0291.3542	Sub Pack	1	Not Shown
4.1	1430.0042	Conduit Split Tube - 12MM	2	-
4.2	2771.0461	P-Clip 60mm	1	-
4.3	2771.0241	P-Clip 13mm	2	-
4.4	2803.2803	PAS Spacer	1	-
5	0820.1741	Belt - Poly Groove 7PK	1	-
6	2901.3541	Installation instructions - 0500.3542	1	Not Shown
7	2902.3542	Belt Label - 0500.3542	1	Not Shown

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 vehicle's 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

PRE-INSTALLATION

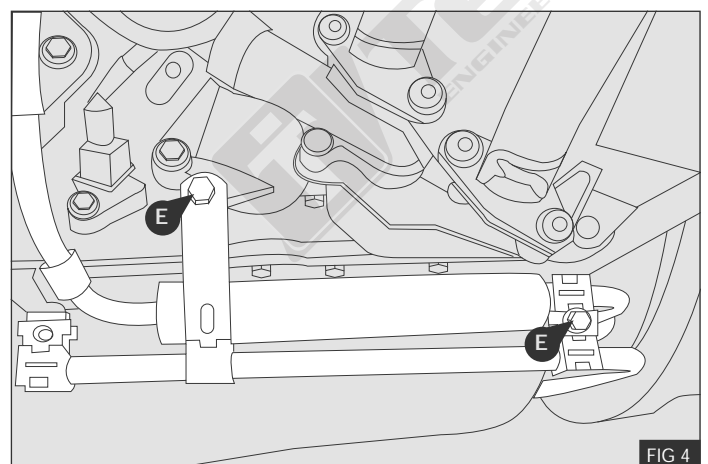
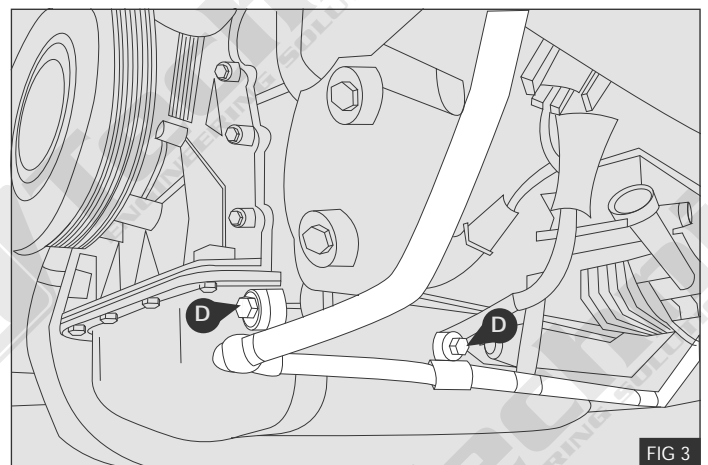
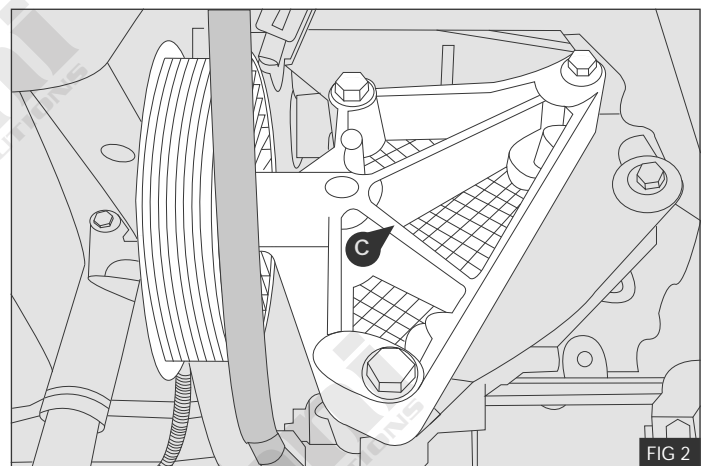
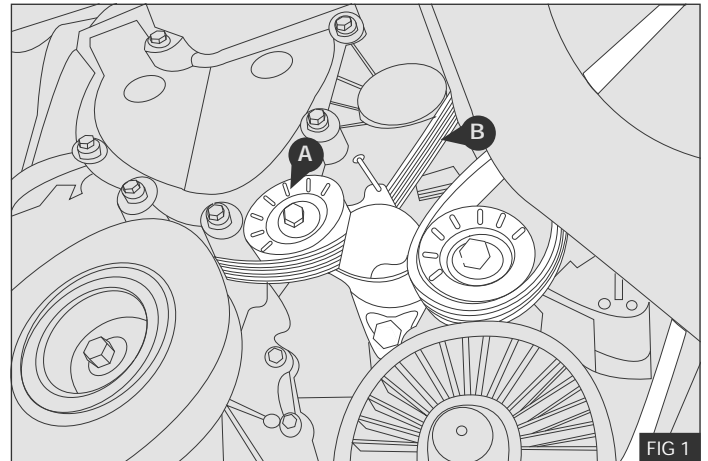
N.B Prior to commencing work, please examine the instructions with care. The alphabetical symbols on the diagram relate to written instructions, numerical symbols relate to the parts listing.

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

1. Remove the engine under-panel.
2. Turn eccentric belt tensioner **(A)** clockwise and secure fully open using 4mm locking pin - Fig 1.
3. Remove and discard belt **(B)** - Fig 1.
4. Remove and discard 'foolish' pulley assembly **(C)** - Fig 2

5. Remove and discard 2 X M6 bolts **(D)** securing the PAS pipes - Fig 3.

6. Remove and discard 2 X M6 bolts **(E)** securing the PAS pipes - Fig 4



7. Remove loom from clip **I** at the rear of the engine - Fig 5.
8. Undo wiring plug **J** - Fig 5
9. Remove bolt **K** securing PAS pipe support bracket - Fig 5.

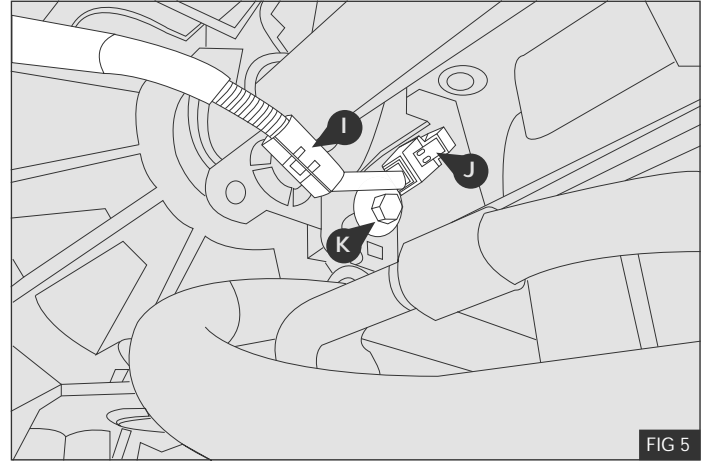


FIG 5

COMPRESSOR MOUNT BRACKET INSTALLATION

1. Secure the compressor mount bracket **1** to the engine using bolts **3.3** - Fig 6
2. Torque the bolts **3.3** to 44 Nm / 32 Lb ft.

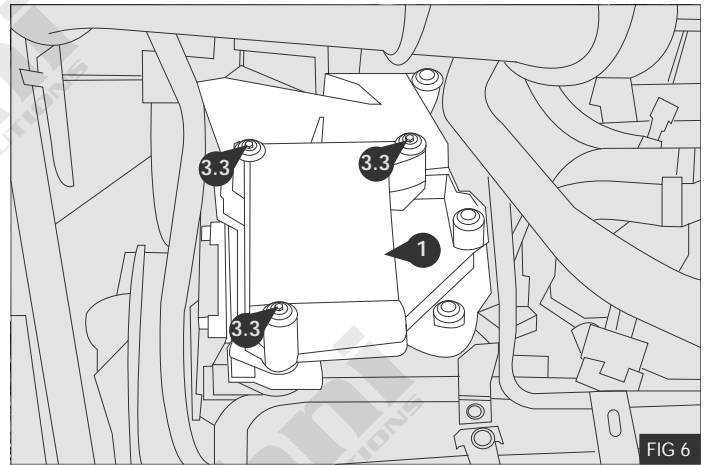


FIG 6

3. Fit the horizontal pipe manifold to the rear of the compressor.

Note: Fit the compressor with the head in the same orientation as shown opposite.

4. Secure the compressor to the mount bracket using bolts **3.2** and PAS support plate **2** using nut **3.9** - Fig 7.
5. Torque bolts **3.2** to 84 NM / 62 Lb ft.

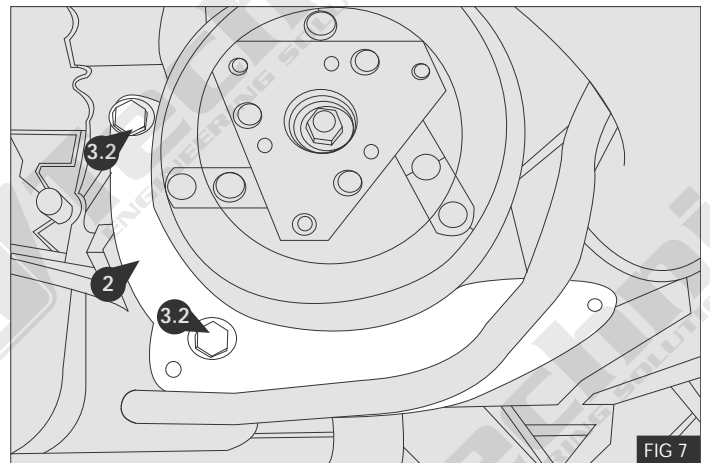


FIG 7

6. Fit the supplied PAS pipe spacers **3.1** to the captive nut located on the high pressure PAS pipe support bracket - Fig 8.

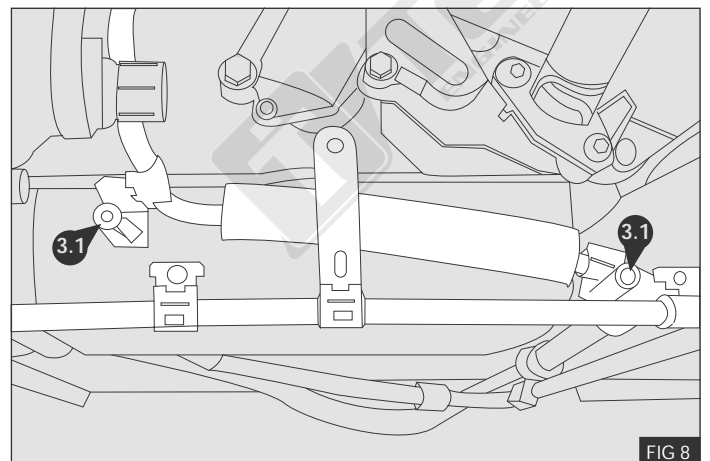
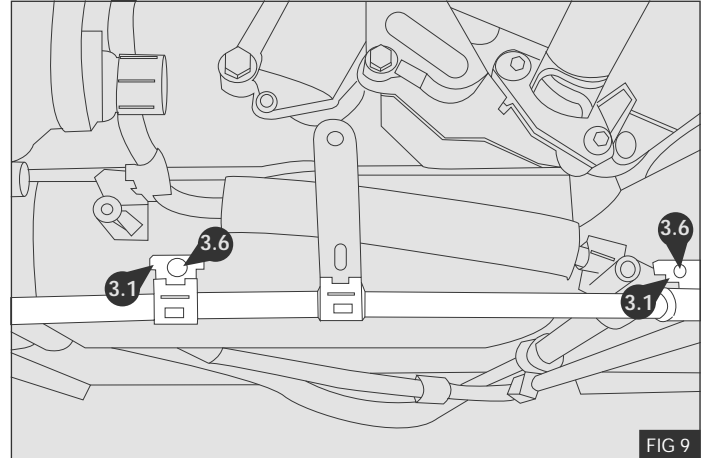


FIG 8

7. Secure the low pressure PAS pipe to the PAS pipe spacer (3.1) using bolts (3.6) - Fig 9.



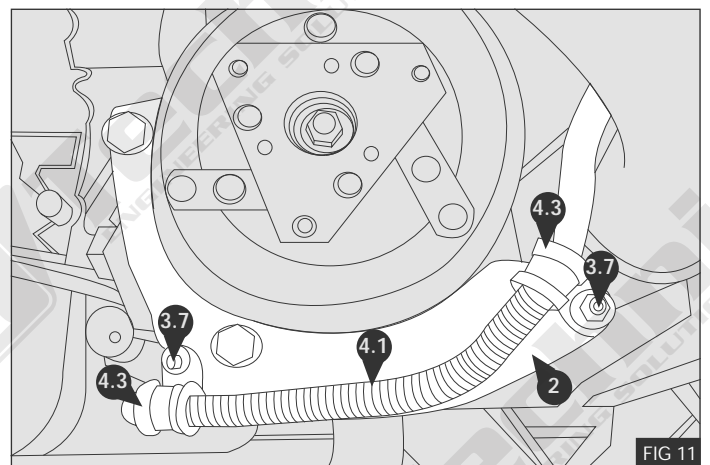
8. Secure the PAS pipe assembly to the bottom of the oil filter housing using bolt (3.5) with spring washer and spacer (4.4) - Fig 10.



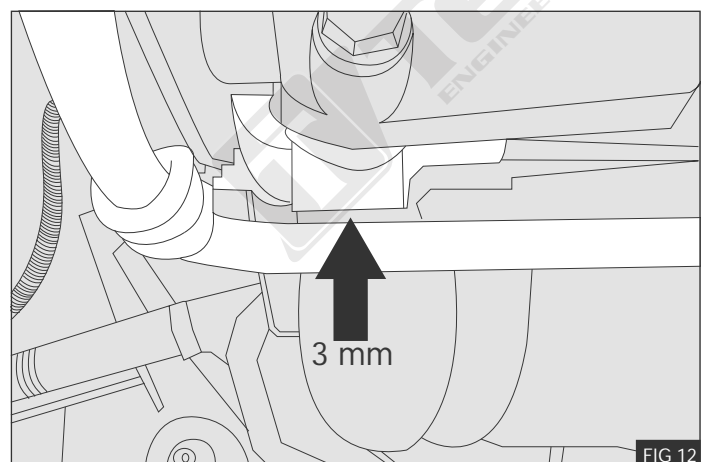
9. Fit the supplied 'P' clips (4.3) to the PAS bracket (2) using 2 X nuts (3.7) - Fig 11.

10. Cut the nylon split tubing (4.1) into 2 X 12 cm halves - Fig 11.

11. Place the 1st half of nylon split tubing (4.1) onto PAS pipe (W) - Fig 11.

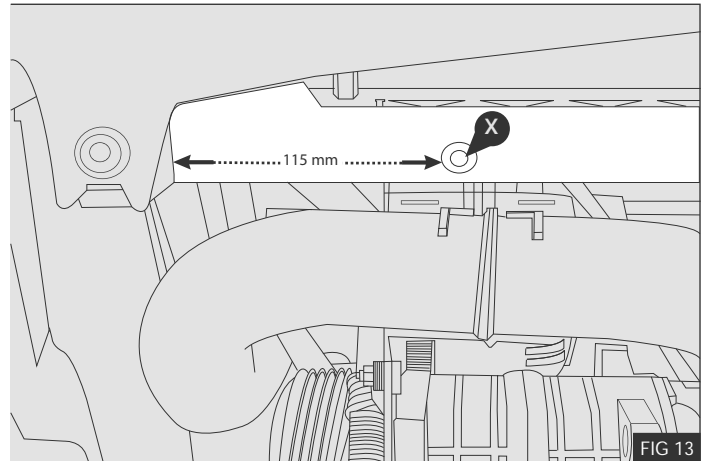


CAUTION: Check the distance between the PAS pipes and the engine block. If the distance is less than 3 mm, file the engine block to provide enough clearance - Fig 12.

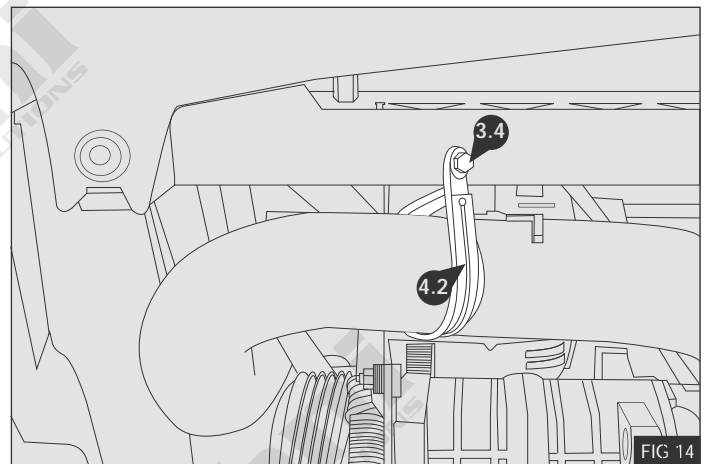


12. Drill a 6.5 mm hole as shown opposite.

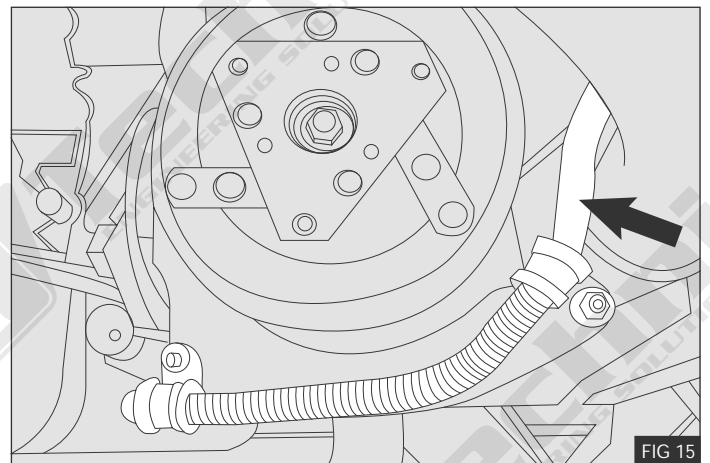
CAUTION: When drilling the radiator support (X) take care not to damage the radiator - Fig 13.



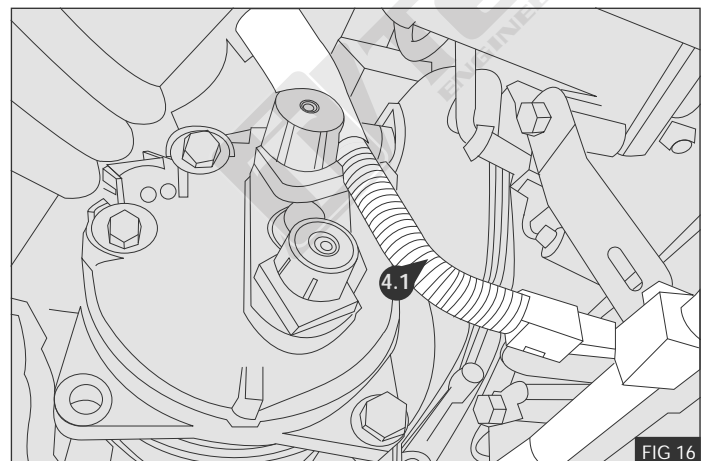
13. Secure the turbo pipe using p-clip (4.2) with M6 X 40 bolt (3.4) with spring washer and nylon nut (3.8) - Fig 14.



CAUTION: Check that there is adequate clearance between the PAS pipe and the turbo pipe. If not tweak the pipe - Fig 15.



14. Fit the second half of the nylon split tube (4.1) - Fig 16.



15. At the rear of the engine move the bushes (L) located on the PAS pipes so that they line up with the hole (M) from below - Fig 17.

16. Re-Fit support bracket previously removed and reconnect wiring loom.

DRIVE BELT

1. Fit the drive belt (5) as shown opposite and remove 4 mm locking pin from tensioner - Fig 18.

- A. Crankshaft Pulley
- B. Tensioner Pulley
- C. PAS Pump
- D. Idle Pulley
- E. Alternator
- F. Compressor

Note: Make sure that the drive belt is fitted into the correct groove of the compressor clutch as shown - Fig.19.

Seltec PV8 has the same gauge line as the Sanden PV6 & PV7, belt is fitted to front groove.

Sanden PV8 has a unique gauge line, belt is fitted to second groove.

Important: Cut the section shown opposite from the engine underpanel to allow clearance for the compressor clutch assembly- Fig 20.

FINISH

1. Run the engine with compressor clutch engaged for five minutes, check all components and fit belt label stickers.
2. Re-Fit engine underpanel.

Note: Check the belt tension when the belt is hot. IT IS IMPORTANT THAT THE BELT IS ALLOWED TO COOL BEFORE RE-TENSIONING. Always re-tension NEW belts if the tension is less than the USED BELT AMOUNT.

