



Techni
ENGINEERING SOLUTIONS

IVECO
EUROCARGO EURO VI 6.7 LITRE
TECTOR 7 - 162/185/206/235KW

CODE / CODICE: 0500.7972

**COMPRESSOR / COMPRESSEUR / KOMPRES-
SOR / COMPRESSORE / COMPRESOR :**
SELTEC: TM21
QUE: QP21

FITTING INSTRUCTIONS
EINBAUANLEITUNGEN
INSTRUCTIONS POUR LE MONTAGE
ISTRUZIONI DI MONTAGGIO
INSTRUCCIONES DE MONTAJE

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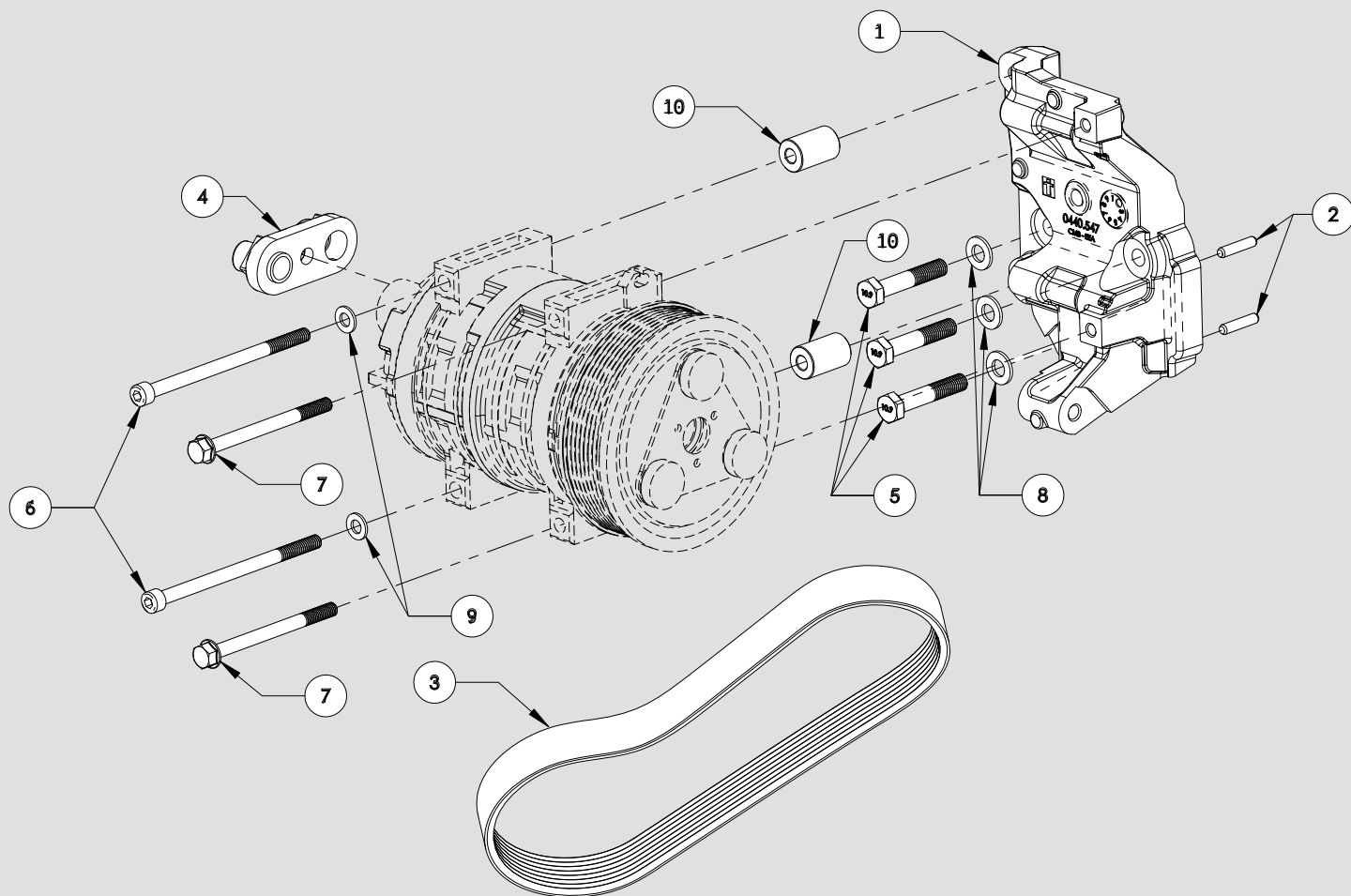
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PARTS VIEW / VUE ÉCLATÉE / TEILEANSICHT / VISTA PARTA / IMÁGENES DE LAS PIEZAS



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

ITEM	CODE / CODICE / KODE / CODIGO	DESCRIPTION / DESCRIZIONE / BESCHREIBUNG / DESCRIPCION	QTY.	COMMENTS
1	0440.5472	Compressor Mount Bracket	1	
2	2800.5591	6mm x 28mm H&G Dowel Pin - DIN 6325	2	
3	0820.1961	Belt - Poly Groove 8PK1755	1	
4	0425.0141	Manifold Seltec/QUE H 3/4 x 7/8	1	
5	2705.5331	Hexagon Head Bolt - M10 x 55 : 10.9	3	
6	2704.5421	Hex socket head cap screw M8 x 130 : 1.25 - 12.9	2	
7	2704.5361	Hex flange bolt - M8 x 100 : 1.25 - 8.8	2	
8	2809.0011	Washer M10 Flat DIN 125 - A 10.5	3	
9	2808.0011	Washer M8 Flat DIN 125 - A 8.4	2	
10	2803.5741	Spacer OD 20 x ID 8.5 L 31	2	

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

SELTEC	-	-	TM-21 HS
Comp No	-	-	0381.0632
Valeo No.	-	-	488-47246
Mounting	-	-	Direct
Rotor	-	-	8PV
GL	-	-	63.6mm
Armature	-	-	3E
Diameter	-	-	141
Voltage	-	-	24
Orientation	-	-	-
Fitting	-	-	Pad
Manifold	-	-	Bolt

QUE	-	-	QP-21 HS
Comp No	-	-	0391.0632
Que No.	-	-	QP21-1563
Mounting	-	-	Direct
Rotor	-	-	8PV
GL	-	-	63.6mm
Armature	-	-	3E
Diameter	-	-	141
Voltage	-	-	24
Orientation	-	-	-
Fitting	-	-	Pad
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.

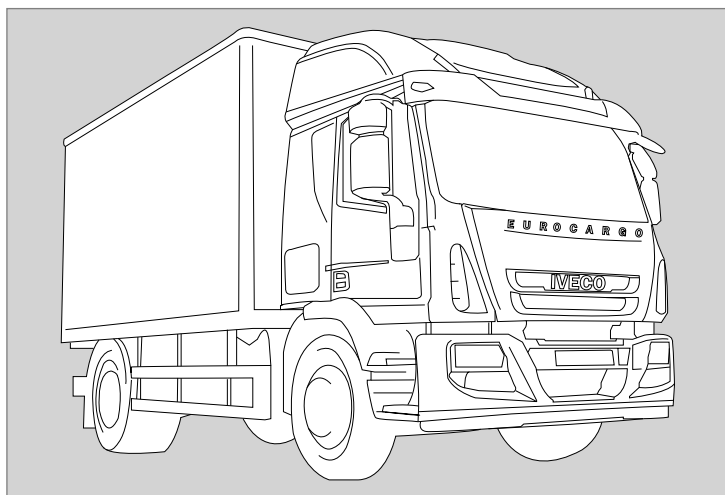
VALORI STANDARD DI SERRAGGIO PER DISPOSITIVI DI FISSAGGIO

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	Iveco
Model	Eurocargo Euro VI
Engine CC	6.7 Litre
Engine Details	Tector 7 - 162/185/206/235kW
Year	2014>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	24v

KIT DETAILS

Kit Part Number	0500.7972
Description	Speed Reduction Kit
Compressor RPM	3150 @ Max engine power output
Fitting Time	45 Minutes
Suction Fitting	45°
Discharge Fitting	45°
Belt Type	8PK 1755
Belt Part Number	0820.1961

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.

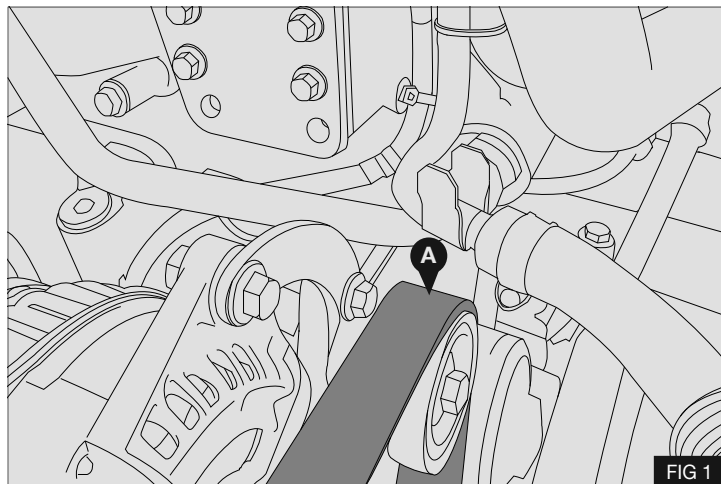
NB: This calls awareness to make the job easier or gives useful information.

PRE-INSTALLATION

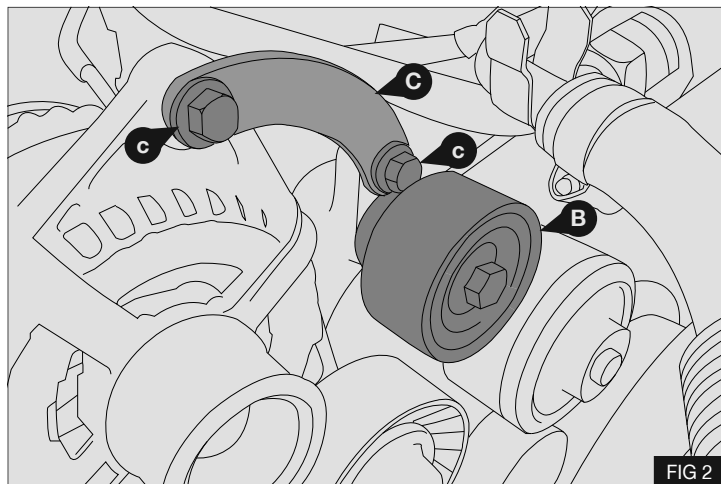
N.B Prior to commencing work, please examine the instructions with care. The alphabetical symbols on the diagram relate to written instructions, numerical symbols relate to the parts listing.

INSTALLATION

1. Remove and discard the original drive belt (A) - Fig 1

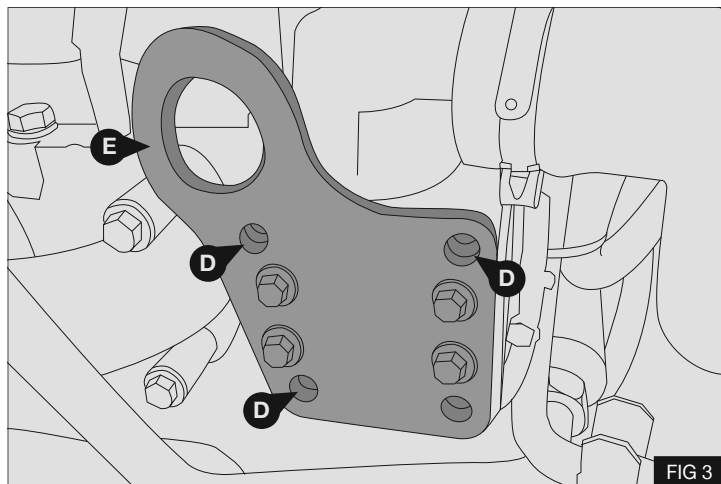


2. Remove and retain idle pulley (B) - Fig 2
3. Remove and discard the alternator plate (C) and securing bolts (C) - Fig 2

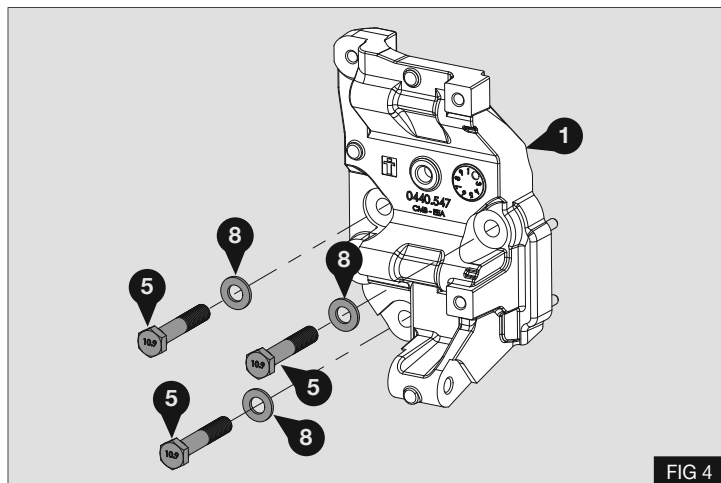


MOUNT BRACKET INSTALLATION

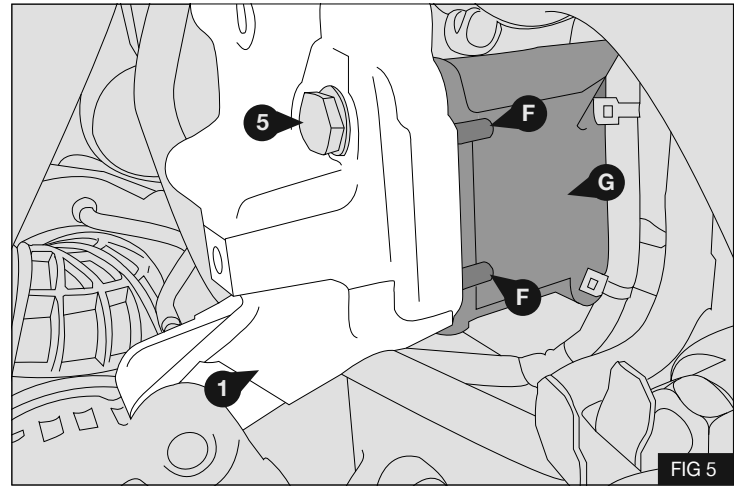
1. Insert the supplied M10 bolts (5) into the holes (D) to check that the engine lifting plate (E) is correctly aligned. If the bolts go straight into the thread no further action is required. If the bolts catch on plate (E) or do not screw in at all then plate (E) must be loosened and correctly aligned - Fig 3
2. Remove bolts (5)
3. Install the mount bracket (1) to the engine using the supplied M10x55 bolts (5) with washers (8) - Fig 4



Note: Do not fully tighten bolts (5) at this stage.

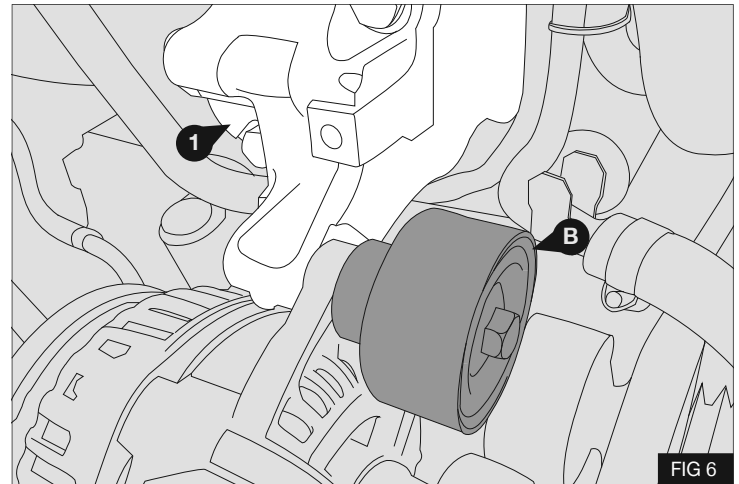


4. Align the 6mm dowel pins (F) located in the mount bracket (1) so that they both touch the front face (G) of the engine - Fig 5
5. Torque the 3x M10x55 bolts (5) to 48Nm / 35.4lb-ft using a calibrated torque wrench - Fig 5



Refit the previously removed idle pulley (B) to the position shown opposite. The idle pulley (B) should now secure the alternator to the mount bracket (1) - Fig 6

Torque the idle pulley bolt (B) to 45Nm / 33.2 lb-ft

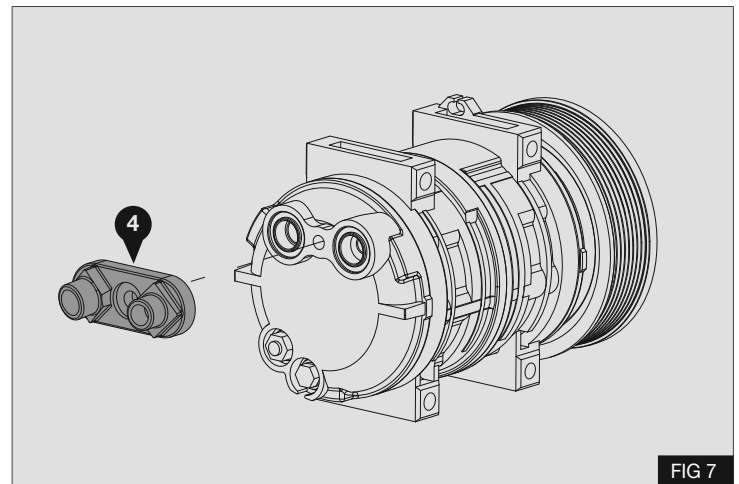


COMPRESSOR INSTALLATION

1. Install the supplied compressor manifold (4) to the compressor using the M10 bolt from the blanking cap on the rear of the compressor - Fig 7

Torque the manifold securing bolt to 20-24Nm / 14.8 - 17.7lb-ft

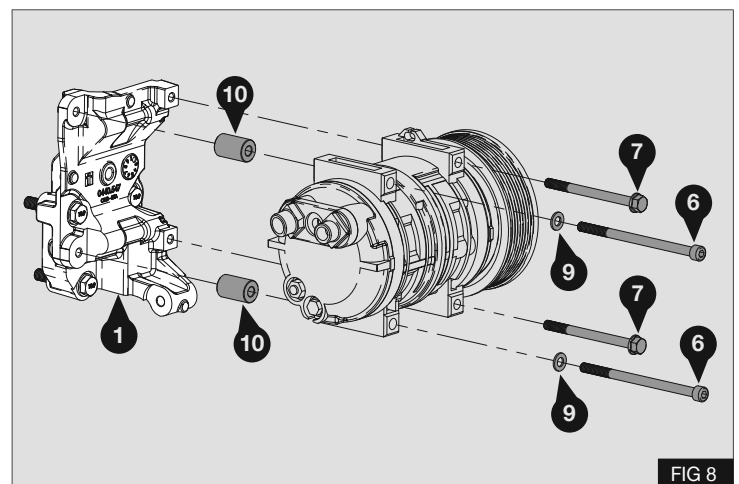
Caution: Ensure the manifold (4) is fitted in the correct orientation.



Install the compressor to the mount bracket (1) as shown opposite using bolts (7) at the front of the compressor. Secure the rear of the compressor using bolts (6) with washers (9) and spacers (10) - Fig 8

Torque bolts (7) to 17Nm / 12.5lb ft.

Torque bolts (6) to 29Nm / 21.4lb ft.

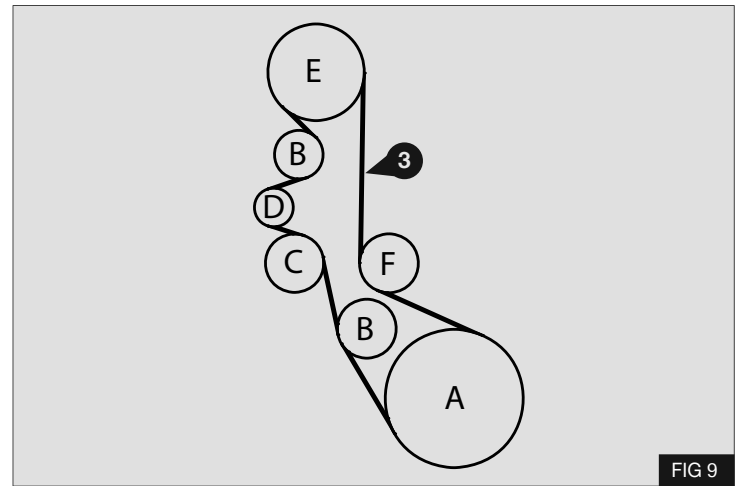


DRIVE BELT INSTALLATION

1. Feed the supplied drive belt (3) over the viscous fan and install the drive belt to the pulleys as shown opposite – Fig 9

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

2. Place the belt (3) over the pulley (F) last.
3. Run the engine with compressor engaged for five minutes. Check all components.



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