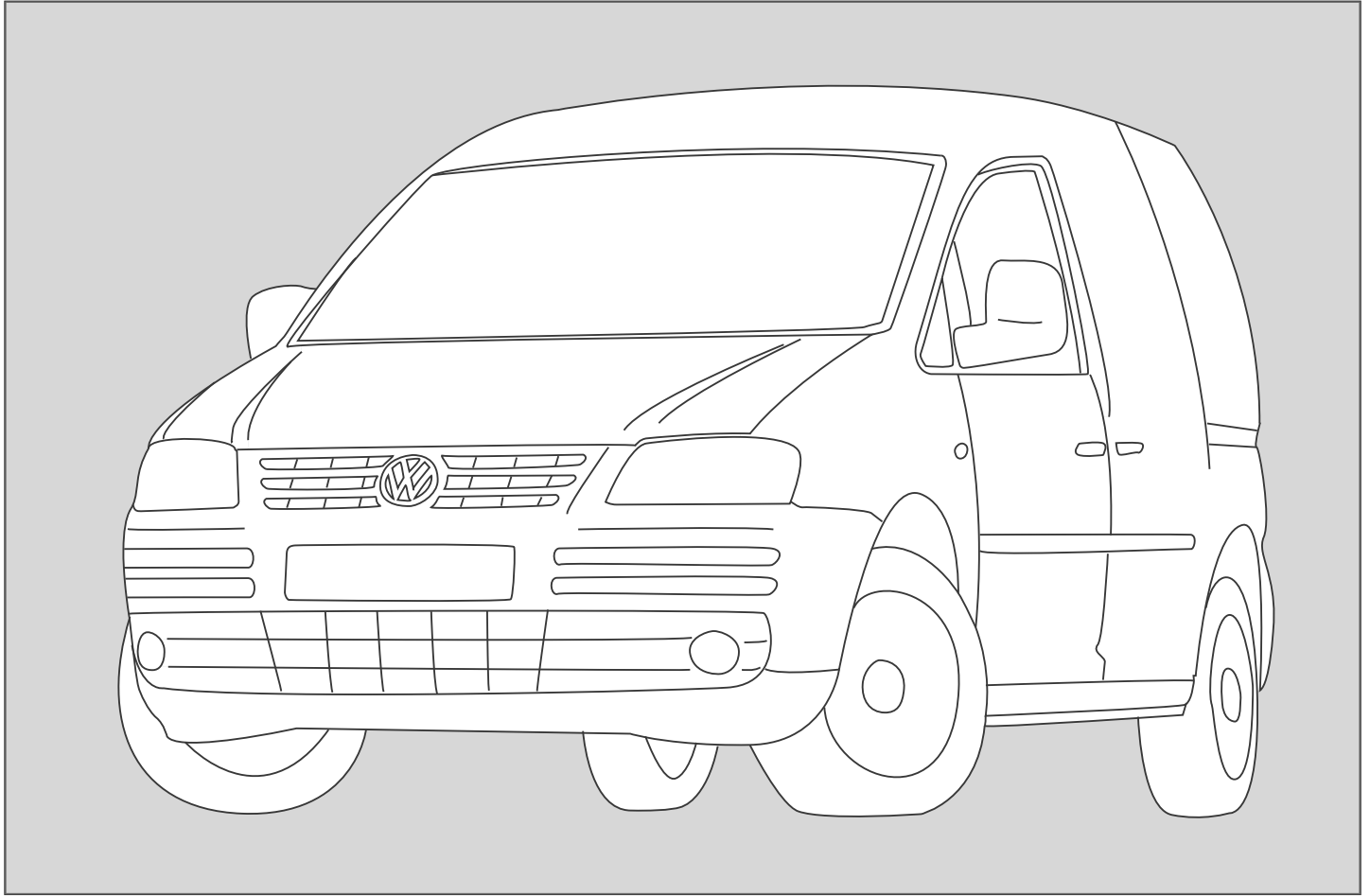


## Contents

<b>ENGLISH</b> .....	2
Vehicle Details.....	2
Adapter Kit Details.....	2
Compatible Compressors .....	3
Compressor Kit Configurations .....	3
Foreword .....	4
Standard Fastener Torque Values.....	4
Parts View and List .....	5
Pre Installation .....	6
Belt Tensioner Installation .....	6
Compressor Bracket Installation .....	6
Compressor Installation .....	7
Drive Belt.....	7
Post Installation .....	7



**VEHICLE DETAILS**

Manufacturer	Volkswagen
Make	Caddy
Model	C20 / C20+ 1.6 TDI / 2.0 TDI
Engine	CAYE / CAYD / CFJA / CFHC / CLCB
Engine Details	75/102/110/140PS - Euro 5
Year	10.2010>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	12v

**ADAPTER KIT DETAILS**

Kit Part No.	0500.6112
Description	Standard Kit
Compressor RPM	4350 @ Max Engine
	Power Output
Fitting Time	40 Minutes
Suction Fitting	Straight
Discharge Fitting	Straight
Belt Type	6PK 1080
Belt Part No.	0820.5141
Note	Leaf Spring Clutch ONLY
Compatible with:	DSG / 4Motion / Blue Motion / Start stop

## COMPATIBLE COMPRESSORS

SELTEC	TM-13 HS	TM15-HS	TM16-HS
Comp No	-	0381.5202	-
Seltec No.	-	-	-
Mounting	-	Direct	-
Rotor	-	8PV	-
Armature	-	SL	-
Diameter	-	123	-
Voltage	-	12	-
Orientation	-	V	-
Fitting	-	3/4 x 7/8	-
Manifold	-	Bolt	-

QUE	QP13-HD	QP15-HD	QP16-HD
Comp No	-	0391.5202	-
Que No.	-	-	-
Mounting	-	Direct	-
Rotor	-	8PV	-
Armature	-	SL	-
Diameter	-	123	-
Voltage	-	12	-
Orientation	-	V	-
Fitting	-	3/4 x 7/8	-
Manifold	-	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.
	0595.6112	0515.6112		
0391.5202	●		QP15 Direct Mount 8PV SL 123 12V V 3/4 x 7/8 Bolt	1
0381.5202		●	TM15 Direct Mount 8PV SL 123 12V V 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:**

- 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.

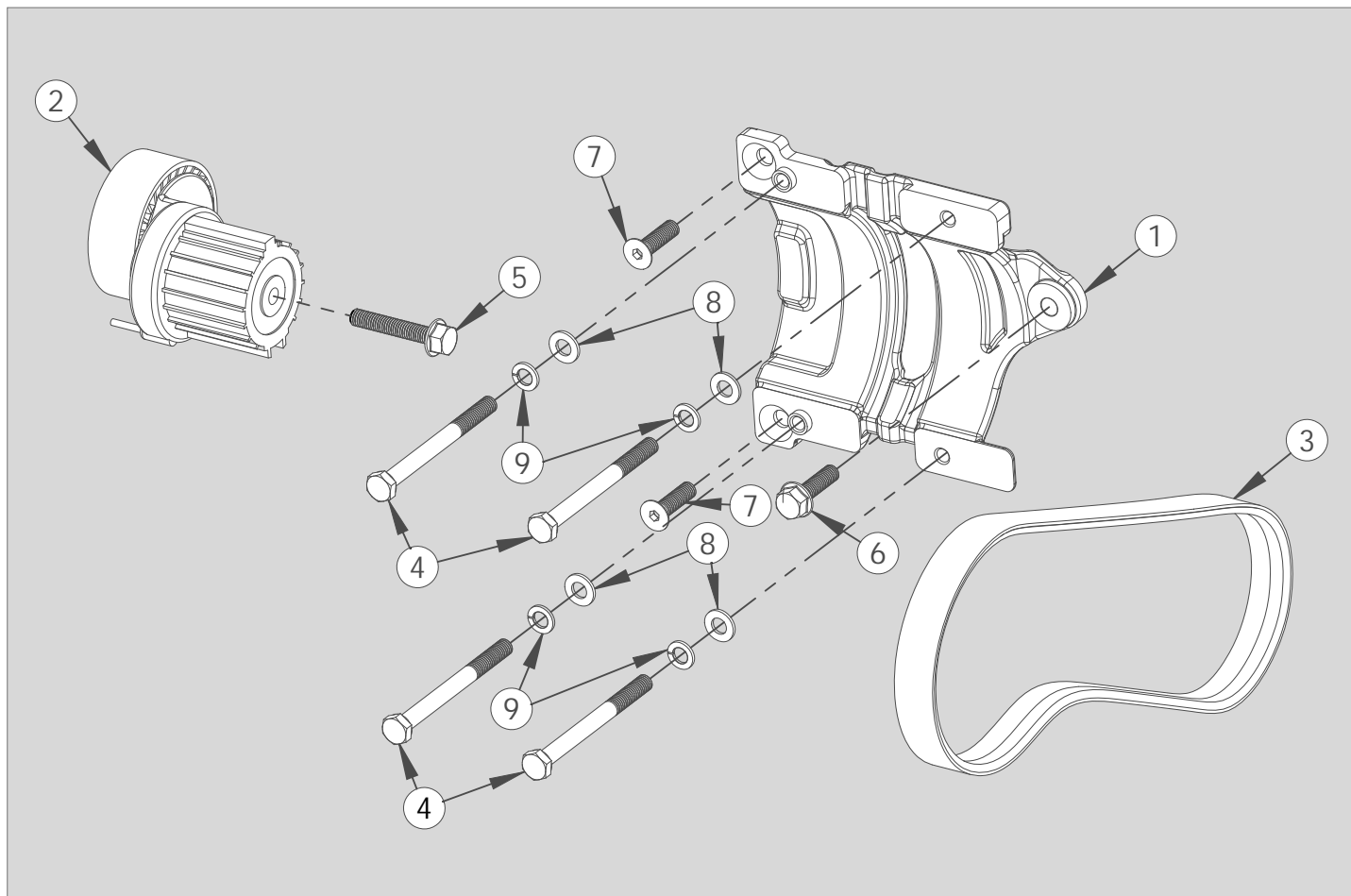
**NB:** This calls awareness to make the job easier or gives useful information.

## 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






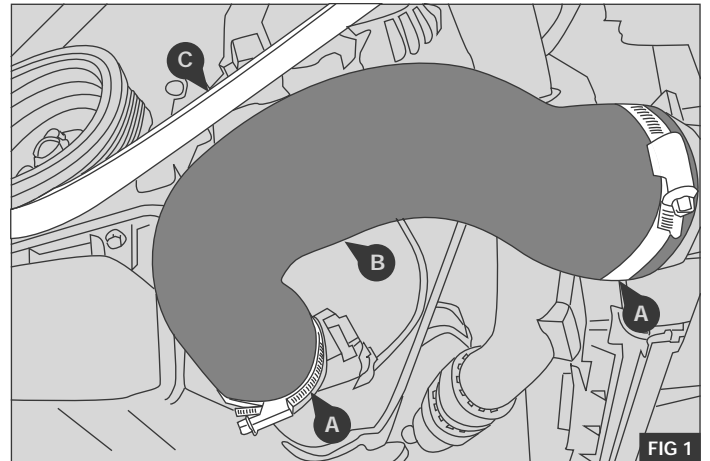
ITEM	PART NO.	DESCRIPTION	QTY.	COMMENTS
1	0440.5032	CMB - VW 2.0 E5 No A/C - TM15 Direct	1	-
2	1705.5031	Automatic Tensioner	1	-
3	0820.5141	Belt - Poly Groove 6PK 1080	1	-
4	2704.0281	Hex Bolt - M8 X 90 : 1.25 - 8.8	4	-
5	2704.0161	Hex flange bolt Durlok - M8 x 45 : 1.25 - 12.9	1	-
6	2704.0091	Hex flange bolt Durlok - M8 x 30 : 1.25 - 12.9	1	-
7	2704.5351	Flat Countersunk Head Cap Screw M8 x 30 : 1.25	2	-
8	2808.0011	Washer M8 Flat DIN 125 - A 8.4	4	-
9	2808.0031	Spring washer M8 x 1.6 - ID 8.3 OD 14.0	4	-

## 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:

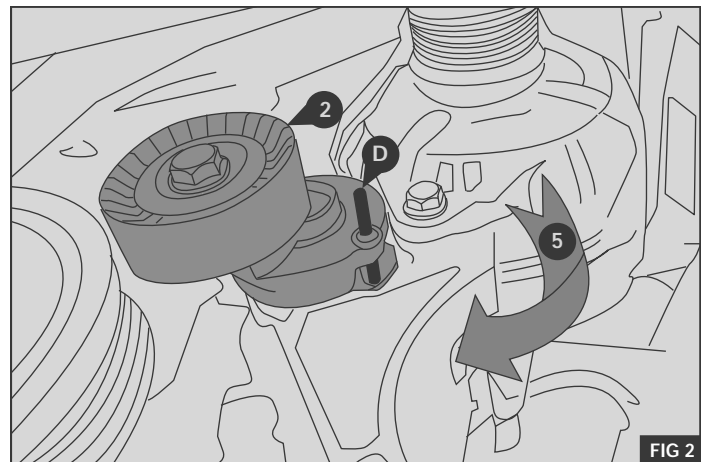
1. Loosen the two worm drive hose clamps  securing the intercooler hose  and remove the hose - Fig.1
2. Remove and discard the original alternator stretch belt  - Fig 1








## BELT TENSIONER INSTALLATION

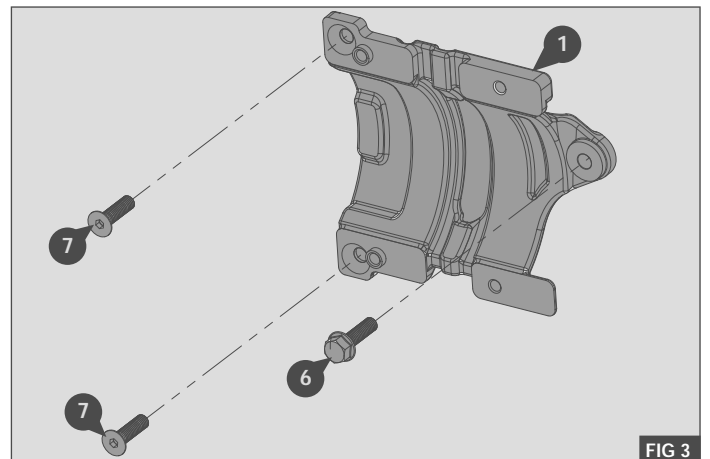
1. Install the supplied automatic belt tensioner  into the position shown, using bolt  M8 x 45 - Fig.3
2. Torque bolt  to 20Nm / 15lb.ft. using a calibrated torque wrench.

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



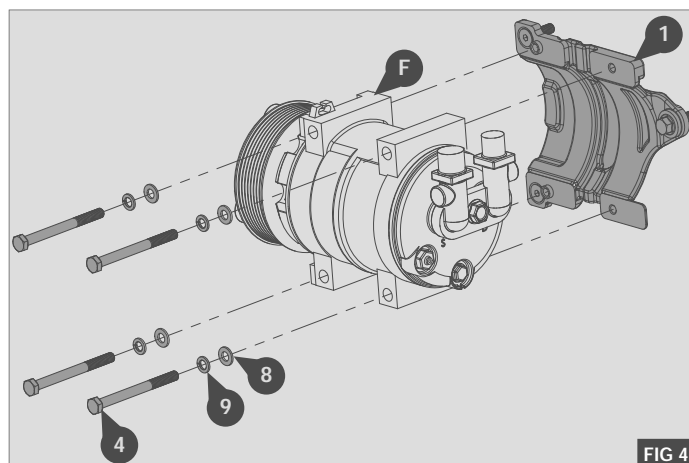
## COMPRESSOR BRACKET INSTALLATION

1. Install the supplied compressor mount bracket  using the supplied countersunk screws  M8 x 30, and bolt  M8 x 30 - Fig.3
2. Torque the front screws  to 20Nm / 15lb.ft using a calibrated torque wrench.
3. Torque the rear bolt  to 29Nm / 22lb.ft using a calibrated torque wrench



## COMPRESSOR INSTALLATION

1. Fit the compressor (F) to the compressor mount bracket assembly. Fixing it with the supplied bolts (4) M8 x 90, spring and flat washers (8) & (9) - Fig.4
2. Torque the four bolts (4) to 20Nm / 15lb.ft. using a calibrated torque wrench.



## DRIVE BELT

1. Fit the supplied replacement poly groove engine drive belt (3) to the engine in the configuration shown - Fig.5

**CP** Crankshaft Pulley

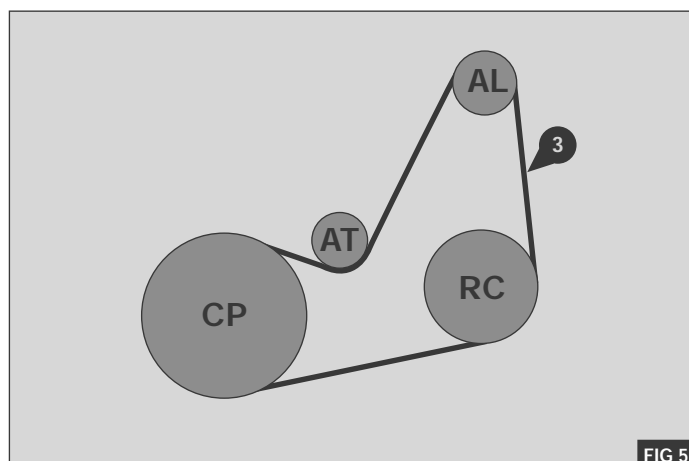
**AT** Automatic Tensioner

**AL** Alternator

**RC** Refrigeration Compressor

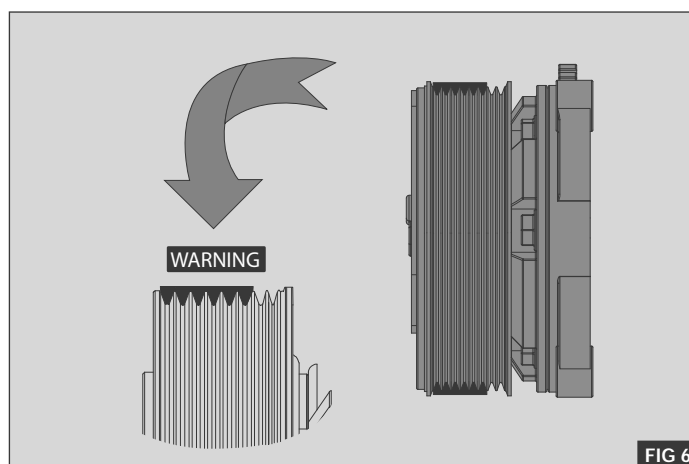
**Warning:** Align the supplied drive belt by installing in the correct clutch groove - Fig.6

2. Release the automatic belt tensioner (2) and remove the securing pin (D) - Fig.2



## 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.



Notes

Blank area for notes.