

FIAT SERVICE LETTER

SUBJECT: AIR CONDITIONING BELT - KIT NO. 4756

VEHICLES: 1979 STRADA AND X1/9 MODELS (CALIFORNIA VERSION)

THIS LETTER SUPERSEDES SERVICE LETTER NO. 501-17,
DATED 8/23/79

CONDITION: Slipping of the air conditioning compressor belt

CAUSE: Insufficient wrap of the belt on the compressor pulley

CORRECTION: A modification kit to correct this condition has been made available.
This kit contains:

- New water pump and air pump pulleys to facilitate a change in the existing drive belt arrangements.
- A new air conditioning belt to drive only the compressor off the crankshaft.
- A new belt to drive the water pump and alternator off the compressor.
- A new ignition timing mark indicator bracket

The installation of the new kit will provide a more parallel belt profile that maximizes belt wrap around the air conditioning compressor and crankshaft pulley, thus eliminating belt slippage.

Installation instructions are attached.

IMPORTANT: Previous idler pulley kit, Part No. 4415, must be removed to install the above mentioned kit.

SERVICE INFORMATION: Until further notice, the water pump modification kit must be installed on all vehicles equipped with Fiat Factory air conditioning presently in your inventory or brought into your dealership for service or repairs.

WARRANTY INFORMATION: Parts and labor expended in performing this modification should be submitted on a regular warranty claim.

READ, INITIAL AND PASS ON

Service Manager	Parts Manager	Service Writer	Technician			

The operation number and time allowance are listed below:

<u>Description</u>	<u>Operation No.</u>	<u>Time Allowance</u>
Installation of water	900-50-04	2.8 hrs (Strada-Calif.)
pump pulley kit		3.8 hrs (X1/9-Calif.)
no. 4756		

NOTE: Installation of idler pulley kit, Part No. 4415, is no longer required and effective immediately, will not be accepted for warranty reimbursement.

PARTS

<u>DESCRIPTION:</u>	<u>Description</u>	<u>Part No.</u>	<u>Dlr. Net Price</u>
	Water pump pulley kit	4756	\$28.50

IMPORTANT: For vehicles equipped with idler pulley kit Part No. 4415

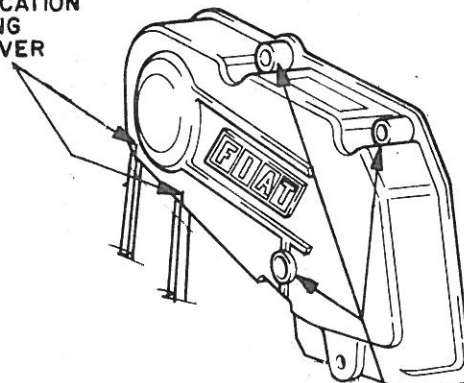
the following additional components must also be re-installed as they were previously removed during installation of idler pulley kit no. 4415.

<u>Description</u>	<u>Part No.</u>
Lower Compressor Mounting Bolt	15972421 (Strada)
	15888721 (X1/9)
" " " Washer	4140883
" " " Washer	11198470
" " " Nut	12164721

Water Pump Pulley Kit No. 4756
Installation Instructions - California Vehicles

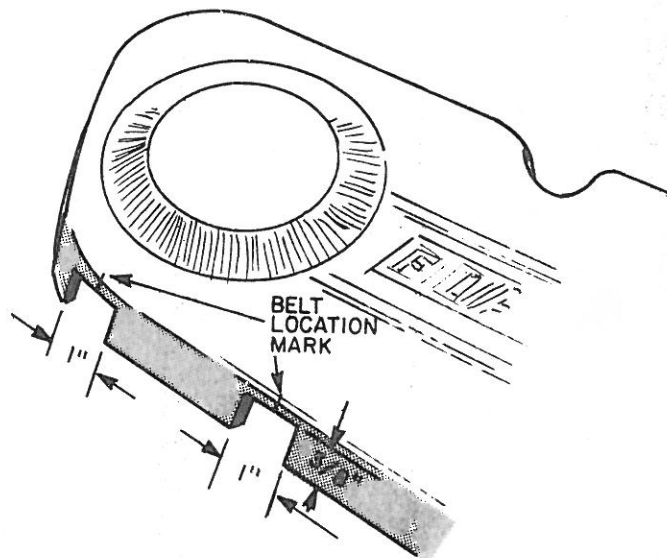
- Drive vehicle on lift.
- Disconnect battery ground cable.
- Strada Models only - Remove jack assembly and spare tire.
- Mark the timing belt cover at the points where the air pump belt enters and exits the cover.
- Remove timing belt cover.

MARK
BELT LOCATION
ON TIMING
BELT COVER

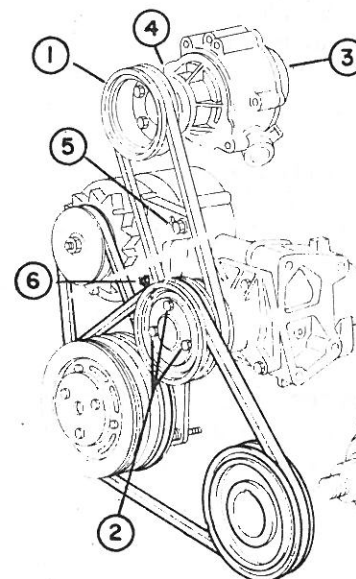


REMOVE 10mm BOLTS

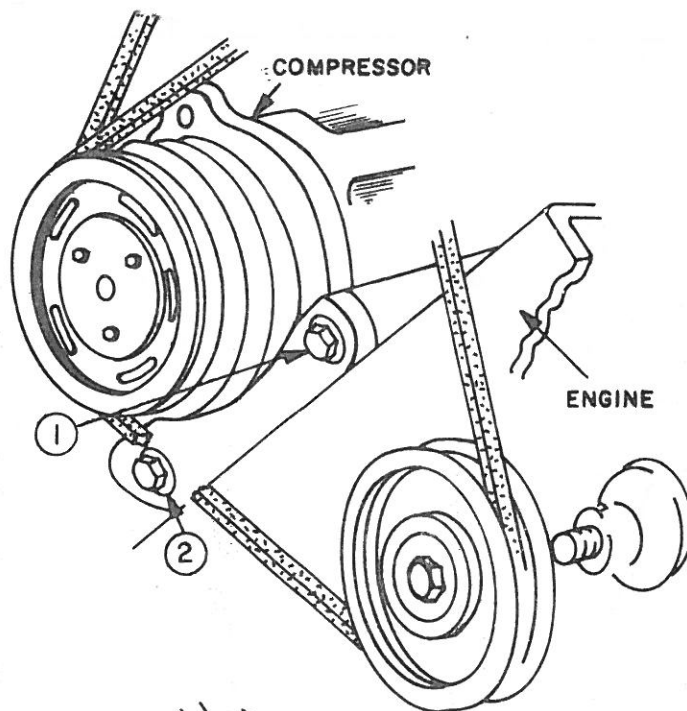
- Using the belt location marks as the centering points, mark 1" wide openings on the timing belt cover.
- Remove the 1" sections from only the curved lip of the timing belt cover.



- Replace the air pump pulley (1) with the new pulley supplied in kit.
 - The air pump mounting boss fits inside the pulley recess.
 - Remove the three bolts (2) from the water pump pulley. Do not remove pulley at this time.
 - Loosen air pump tensioner (3) and mounting (4) bolts.
 - Loosen the alternator tensioner (5) and mounting (6) bolts.
- Illustration denotes belt drive before modification is completed.

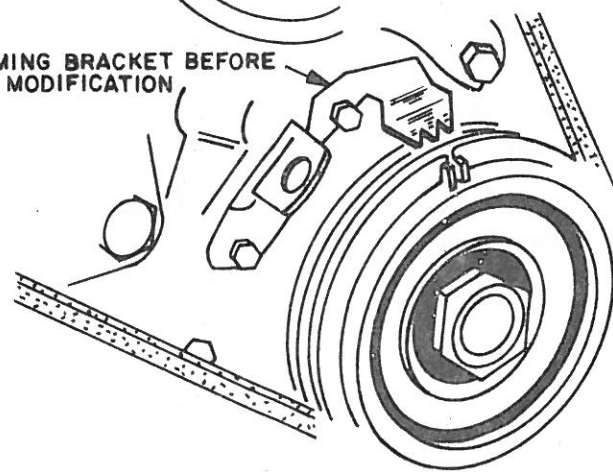


- Raise vehicle on lift.
- Remove the pulley protection shield.
- Loosen the compressor tensioner bolt (1).
- Remove the compressor mounting bolt (2).
- NOTE:** If installed, remove idler pulley Kit No. 4415.
- Remove compressor and alternator belts.



- Manually turn engine clockwise to TDC, using tool A.50121.
- Replace the timing mark indicator bracket with new bracket supplied in kit.
 - Do not turn engine after timing bracket is removed.
 - Align 0° mark on timing bracket with timing mark on crankshaft pulley.

TIMING BRACKET BEFORE MODIFICATION

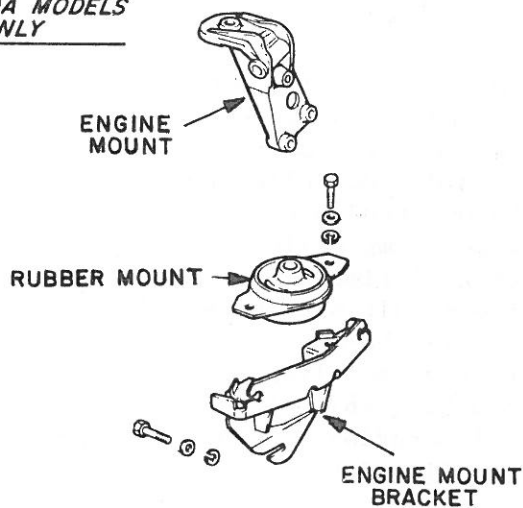


- Place transmission jack underneath the center engine mount. Raise engine until weight is off of engine mounts.
- NOTE:** Make sure the original water pump pulley mounting bolts fit the new pulley supplied in kit. If the holes in the pulley are too small, redrill them with an 8mm (5/16") drill bit.

Strada only

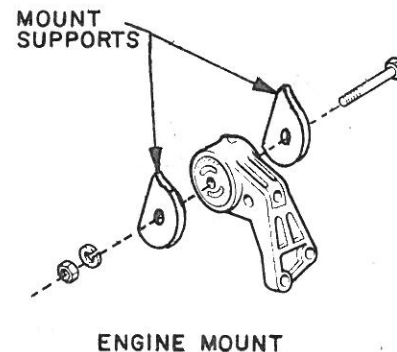
- Remove the bolts securing the engine mount bracket from the chassis.
- While twisting the rubber mount, replace the water pump pulley with new pulley supplied in kit. Do not install mounting bolts.

STRADA MODELS ONLY



X1/9 only

- Remove bolt securing right engine mount to mount supports.
- Using a lever underneath the mount, move engine to the left, replace water pump pulley with new pulley supplied in kit.
Do not install mounting bolts.



BOTH MODELS

- Make sure that there is enough clearance between the new water pump pulley/belt and the engine mount. In some cases, it may be necessary to file away some material from the side of the mount.
- Install water pump pulley mounting bolts.
- Reinstall engine mount hardware.
- Lower and remove transmission jack from center engine mount.
- Install Gates belt 7300 (30" in length) to compressor/alternator/water pump pulleys.
- Install Dayco belt 15325 (32.5" length) to compressor and crankshaft pulleys.
- Reinstall the lower compressor mounting bolt.

NOTE: For vehicles which had been equipped with the idler pulley kit no. 4415, the following components must be reinstalled.

<u>Description</u>				<u>Part No.</u>
Lower compressor mounting bolt				15972421 (Strada)
"	"	"	bolt	15888721 (X1/9)
"	"	"	washer	4140883
"	"	"	washer	11198470
"	"	"	nut	12164721

- Fully adjust and tighten compressor belt tension.
 - Lower vehicle .
 - Fully adjust and tighten alternator belt tension.
 - Reinstall and adjust original air pump belt.
 - Reconnect battery ground cable.
 - Connect A/C gauges.
 - Run engine 10 to 15 minutes with A/C on.
 - Check operating pressures to be sure they are not excessive. If necessary, make corrections to A/C system to insure correct pressures.
- NOTE: If repairs to the A/C system are necessary, the repairs should be handled as per normal warranty procedures and suggested labor operations.
- Check and readjust belt tensions.
 - Reinstall modified timing belt cover. Make sure there is proper clearance between the belt and cover.
 - Strada Models only - reinstall jack assembly and spare tire.
 - Raise vehicle.
 - Check and adjust compressor belt tension, if required.
 - Reinstall the pulley protection shield.
 - Lower and remove vehicle from lift.

BELT DRIVE ARRANGEMENT AFTER MODIFICATION

