

PERIODIC SERVICE AND ADJUSTMENTS ON CAR

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PERIODIC SERVICES

(60 Days or 6000 Miles whichever occurs first)

1. Check front of condenser for an accumulation of dirt, such as leaves, bugs, dirt, etc. Also check to see the space between the condenser and radiator is also free of this material.

2. Inspect compressor drive belt. Check and adjust tension.

3. Operate system and check for correct operation in all control positions.

4. Check for refrigerant leaks and observe refrigerant passing through the liquid indicator with system operating to see if there is any evidence of bubbles (above 70°F. ambient).

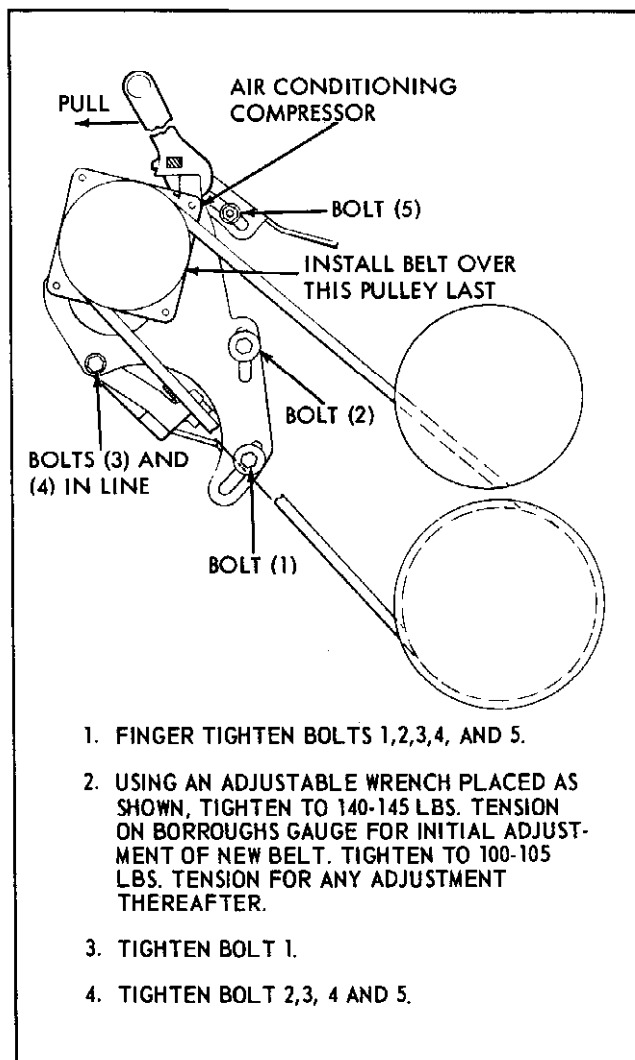


Fig. 1B-37 A/C Compressor Belt Adjustment - Pontiac

ADJUSTMENTS ON CAR-PONTIAC

COMPRESSOR BELT (Fig. 1B-37)

NOTE: Check compressor belt tension, adjust if looseness is indicated by slipping or tension is below 100 lbs. on Burroughs Belt Tension Gauge.

TEMPERATURE REGULATION DOOR CONTROL CABLE

(This adjustment should be made to insure maximum performance of both heater and air conditioner.)

1. Cable is to be securely attached at control and heater.

2. Rotate temperature control knob counterclockwise to full cold (all blue bars showing in dial opening) and hold in this position.

3. Looking thru glove box opening, insert 3/16"-diameter gauge pin into center indexing hole in heater cam.

4. Adjust turnbuckle by threading left or right until pin falls into matching indexing hole in cam bracket.

5. Remove gauge pin and turn temperature control knob clockwise to full heat position (all red bars showing).

6. Rotate knob back to full cold position and reinsert gauge pin.

7. If pin falls into both heater cam and cam bracket indexing holes and all blue bars shown on dial, the cable is properly adjusted.

8. If any of the red bars show, repeat steps 3 thru 7 until cable is properly adjusted.

ADJUSTMENTS ON CAR—TEMPEST

COMPRESSOR BELT (Fig. 1B-38 and 1B-39)

NOTE: Check compressor belt tension, adjust if looseness is indicated by slipping or tension is below 100 lbs., adjust to 100-105 lbs. on Burroughs Belt Tension Gauge.

CONTROL CABLE ADJUSTMENT

NOTE: All adjustments to be made after cable has been connected securely at both ends.

TEMPERATURE CONTROL

1. Remove glove box.
2. Place Temp lever (lower lever) in full cold or "Cooler" position (extreme left).
3. Adjust turnbuckle as necessary to allow 3/16" gauge pin to pass freely through heater cam and cam bracket index holes.
4. With gauge pin in place, adjust turnbuckle to move lever against left end of slot in control panel, then turn turnbuckle in opposite direction to move control lever 1/8" to 3/16" away from end of slot.
5. Remove gauge pin.
6. Move Temp lever to full heat or "Warmer" position, then back to off.
7. Gauge pin must fit freely through index holes.
8. Replace glove box.

AIR CONDITIONING COMPRESSOR BELT ADJUSTMENT PROCEDURE

ALL 6 CYLINDER

1. FINGER TIGHTEN BOLTS 3, 4, 5, 6 AND 7.
2. INSERT BAR INTO SLOT IN COMPRESSOR BRACKET AS SHOWN AND TIGHTEN BELT TO 140-145 LBS. TENSION ON BORROUGHS GAGE FOR INITIAL ADJUSTMENT OF NEW BELT. THEREAFTER TIGHTEN TO 70-75 LBS. TENSION.
3. TIGHTEN BOLT 3 TO 30 LB. FT. TORQUE.
4. TIGHTEN BOLTS 4, 5, 6 AND 7 TO 30 LB. FT. TORQUE.

GENERATOR BELT ADJUSTMENT PROCEDURE

1. FINGER TIGHTEN BOLTS 1 AND 2.
2. USING A PRY BAR BETWEEN ALTERNATOR AND CYLINDER BLOCK AS SHOWN, TIGHTEN BELT TO 110-115 LBS. TENSION ON BORROUGHS GAGE FOR INITIAL ADJUSTMENT OF NEW BELT. TIGHTEN BELT TO 70-75 LBS. TENSION THEREAFTER.

- NOTE: DO NOT PRY ON TIMING BELT COVER.*
3. TIGHTEN BOLT 1 TO SPECIFIED TORQUE.
 4. TIGHTEN BOLT 2 TO SPECIFIED TORQUE.

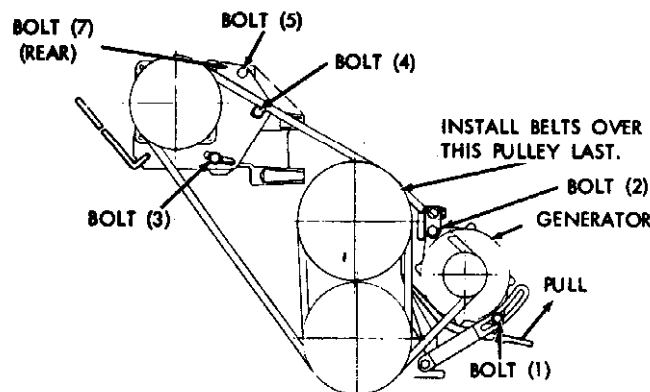
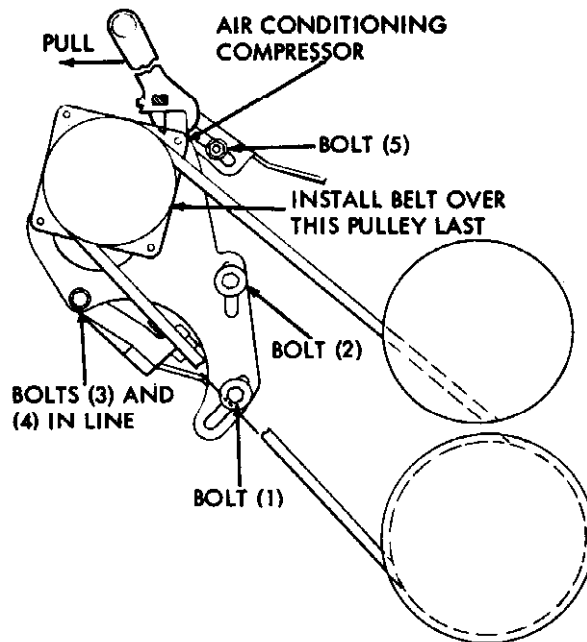


Fig. 1B-38 A/C Compressor Belt Adjustment - Tempest - 6 Cylinder



1. FINGER TIGHTEN BOLTS 1,2,3,4, AND 5.
2. USING AN ADJUSTABLE WRENCH PLACED AS SHOWN, TIGHTEN TO 140-145 LBS. TENSION ON BORROUGHS GAUGE FOR INITIAL ADJUSTMENT OF NEW BELT. TIGHTEN TO 100-105 LBS. TENSION FOR ANY ADJUSTMENT THEREAFTER.
3. TIGHTEN BOLT 1 TO 30 LB. FT. TORQUE.
4. TIGHTEN BOLT 2,3, 4 AND 5 TO 30 LB. FT. TORQUE.

Fig. 1B-39 A/C Compressor Adjustment - Tempest - 8 Cylinder