PREVOST

MAINTENANCE INFORMATION

Mi97-28

CERTIFIÉ-CERTIFIED ISO 9001 PREVOST

DATE: January 1998	SECTION: 01
SUBJECT:	PROTECTION OF IDLER PULLEYS BALL BEARING USED WITH A/C COMPRESSOR BELT TENSIONING

APPLICATION:

Model	VIN 
H3 series coaches equipped with series 60 engine Model Year: 1993 - 1998	From 2P9H33405P1001316 up to 2PCH33497W1012082 incl.
VIP motorhomes equipped with series 60 engine Model Year: 1993 - 1998	From 2P9V33407P1001305 up to 2PCV33494W1012236 incl.
XL series coaches equipped with series 60 engine Model Year: 1994 - 1998	From 2P9L33409R1001820 up to 2PCL33496W1026310 incl.
XL series MTH equipped with series 60 engine and central A/C system Model Year: 1993 - 1998	From 2P9M33499P1001722 up to 2PCM33497W1026417 incl.

DESCRIPTION

On the above-mentioned vehicles, life span of idler pulleys ball bearing was extended. These pulleys are used to apply tension on A/C compressor driving belt.

MATERIAL

Part No.	Description	Qty
453078	Pulley assembly	1
453076	Dust cap	1
052219	Spacer	1
507360	Seal, Oil	1
052208	Pulley assembly	1

Note: *Material can be obtained through regular channels*.

VEHICLES EQUIPPED WITH IDLER PULLEY AND BELT PROTECTOR

PROCEDURE

Warning: *Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.*

1. Open engine compartment rear door (s).
2. Release pressure from air bellows by means of belt tensioning pressure releasing valve. This valve is mounted in engine compartment; near the auxiliary oil tank on H3 series vehicles and above the engine doors on XL series vehicles (refer to fig. 1).

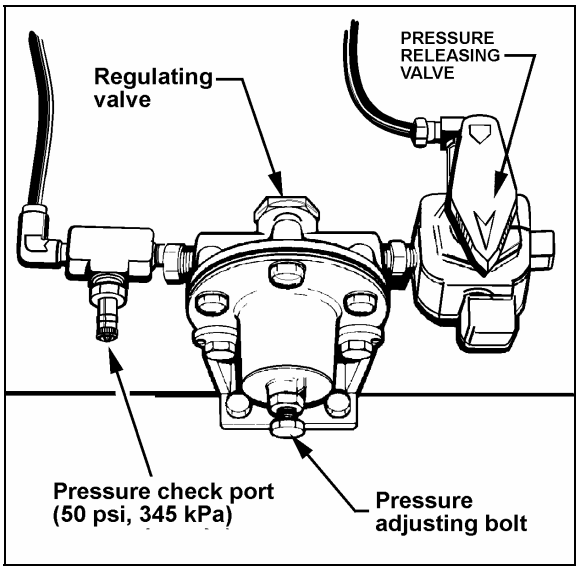

FIGURE 1: REGULATING VALVE 12018

3. Unscrew bolt securing the idler pulley which is used to apply tension on A/C compressor belt, separate parts (refer to fig. 2).
4. Put bolt, washer located underneath bolt and nut aside.
5. Fill oil seal (Prévost #507360) and pulley (Prévost #453078) with grease.

Warning: *Use high melting point, water resistant lithium base grease.*

6. Install spacer (Prévost #052219), oil seal (Prévost #507360), new pulley (Prévost #453078) and washer then fix pulley assembly onto engine using bolt and nut (refer to fig. 2).
7. Torque bolt to 150 ± 15 lbf•ft (204 ± 20 N•m).
8. Install dust cap (Prévost #453076) onto pulley.
9. Re-apply pressure to air bellows by means of belt tensioner pressure releasing valve.

Note: *Normal operating pressure is 50 PSI (345 kPa).*

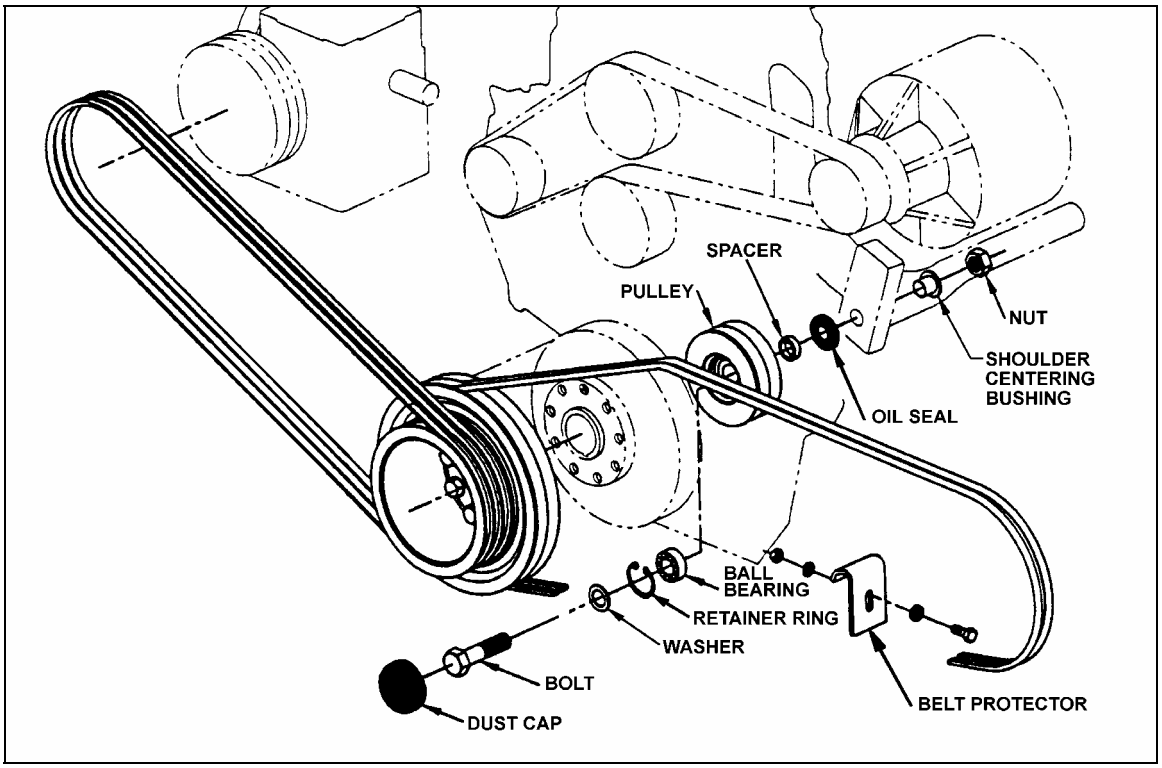

FIGURE 2: A/C COMPRESSOR DRIVE INSTALLATION

VEHICLES EQUIPPED WITH TWO IDLER PULLEYS

PROCEDURE

Warning: *Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.*

Open engine compartment rear door (s).

Release pressure from air bellows by means of belt tensioning pressure releasing valve. This valve is mounted in engine compartment; near the auxiliary oil tank on H3 series vehicles and above the engine doors on XL series vehicles (refer to fig. 1).

PART A UPPER PULLEY REPLACEMENT

1. Unscrew bolt securing the upper idler pulley which is used to apply tension on A/C compressor belt, separate parts (refer to fig. 2 and 3).
2. Put bolt, washer located underneath bolt and nut aside.
3. Fill oil seal (Prévost #507360) and pulley (Prévost #453078) with grease.

Warning: *Use high melting point, water resistant lithium base grease.*

4. Install spacer (Prévost #052219), oil seal (Prévost #507360), new pulley (Prévost #453078) and washer then fix pulley assembly onto engine using bolt and nut (refer to fig. 2 and 3).
5. Torque bolt to 150 ± 15 lbf•ft (204 ± 20 N•m).
6. Install dust cap (Prévost #453076) onto pulley.

PART B LOWER PULLEY REPLACEMENT

1. Unscrew bolt securing the lower idler pulley which is used to apply tension on A/C compressor belt, separate and keep parts (refer to fig. 3).
2. Install washer, spacer, oil seal (Prévost #507360), pulley assembly (Prévost #052208) and finally washer then fix pulley assembly onto engine using bolt and nut (refer to fig. 3).
3. Torque bolt to 130 lbf•ft (177 N•m).
4. Re-apply pressure to air bellows by means of belt tensioner pressure releasing valve.

Note: *Normal operating pressure is 50 PSI (345 kPa).*

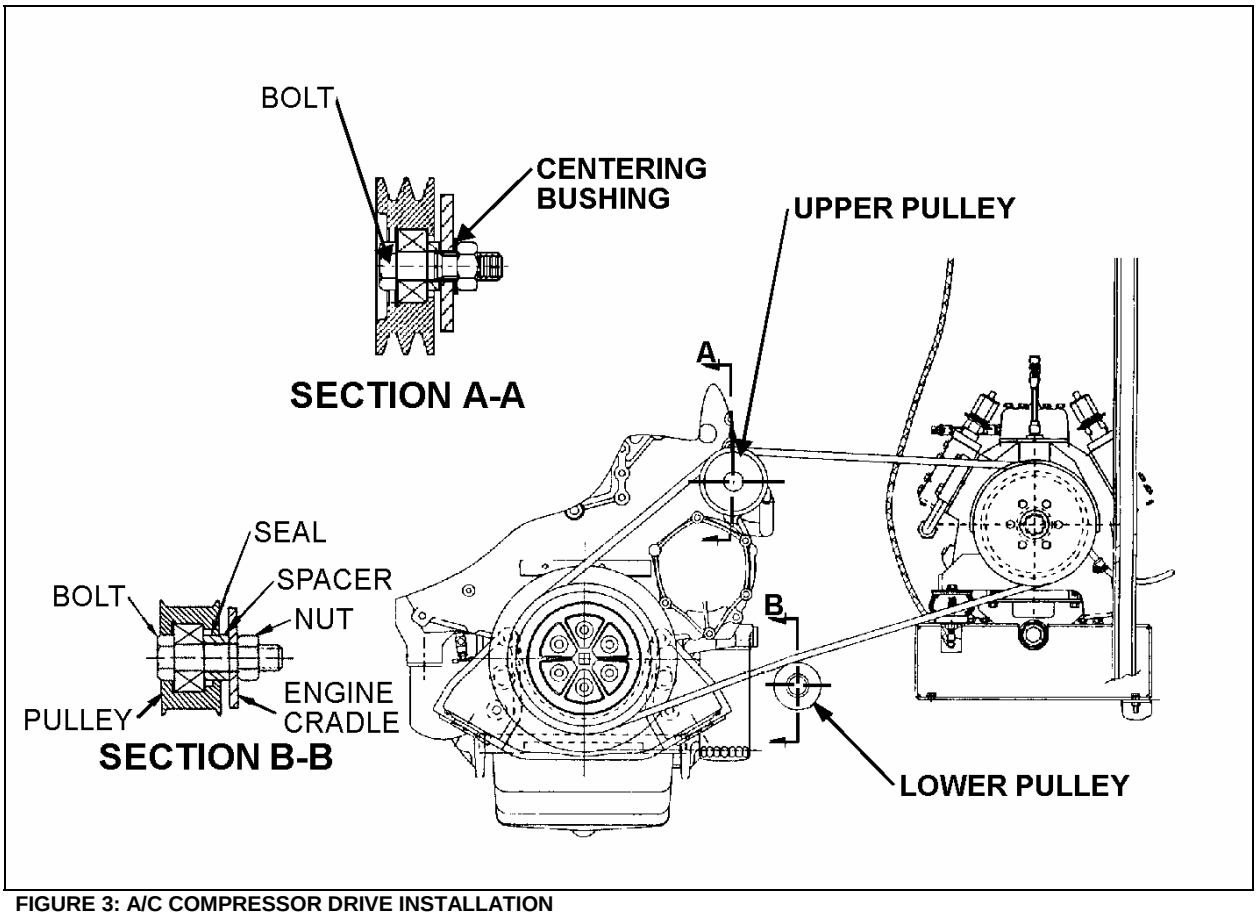

FIGURE 3: A/C COMPRESSOR DRIVE INSTALLATION