

Service Bulletin

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Category	Applicable Model/s	Subject	Bulletin No.
U	(see below)	A/C O-RING INSTALLATION PROCEDURE	016/92
			Issued 9/1/92
			Revised

DESCRIPTION

A procedure for A/C O-ring installation has been developed. Be sure to follow this procedure to eliminate refrigerant leaks and unnecessary repairs.

APPLICABLE MODEL/S

1988-'92 626/ MX-6	1989-'93 MPV (single A/C only)
1988-'92 B-Series	1990-'93 MX-5 Miata
1988-'93 323/Protegé	1992-'93 MX-3
1989-'91 RX-7 (Non-Turbo)	

INSTALLATION PROCEDURE

1. Before installing the O-ring, inspect the pipe/hose for any damage.
2. Verify the O-ring is clean and free from defects. Place O-ring on pipe. Be sure it is seated properly (figure 1).

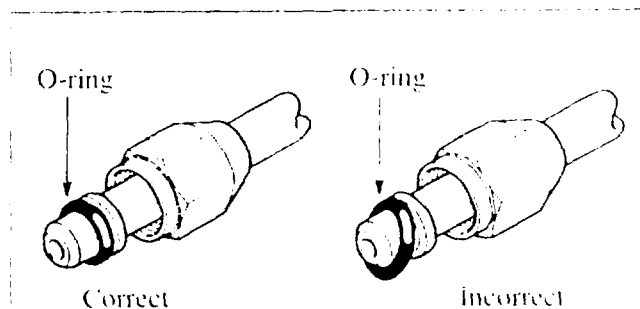


Figure 1: O-Ring Placement

3. Lightly apply oil to the O-ring with refrigerant oil. Do not oil the threads or connecting hose seat (figure 2).

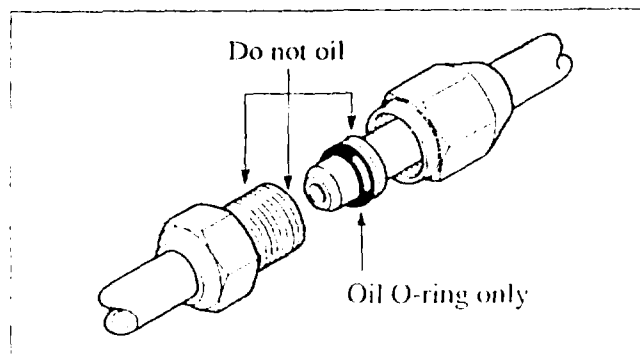


Figure 2: Oil Locations

IMPORTANT: Service and Parts Managers should read this bulletin carefully, sign and convey all information to those concerned.

Signature _____
----- Service Manager

Signature _____
Parts Manager

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4. Align both fittings before threading on the nut (figure 3).

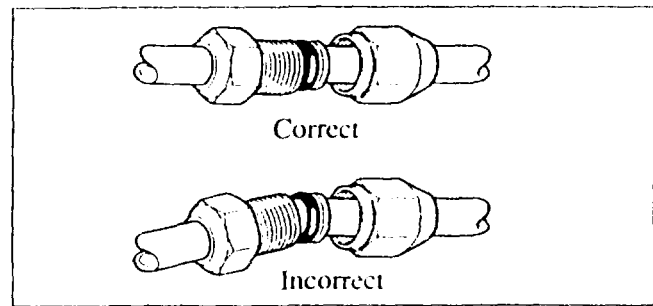


Figure 3: Fitting Alignment

5. After threading on the nut, tighten it by hand as much as possible (figure 4).

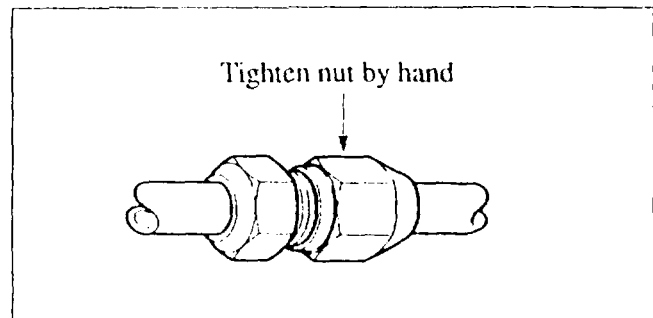


Figure 4: Tightening of Fitting

6. Torque the nut to the proper specification, using a backup wrench to prevent damage (figure 5).

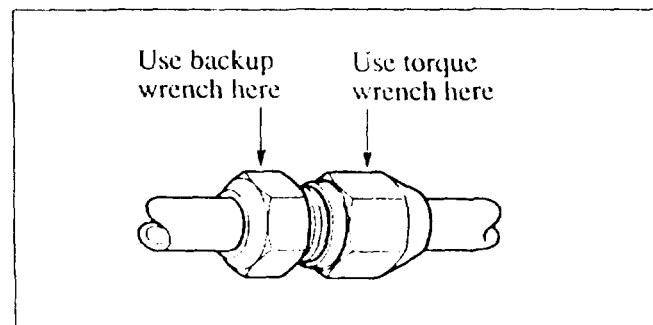


Figure 5: Final Tightening of Fitting

To further assist in A/C installation and repairs, a list of torque specifications for all hose and pipe connections has been compiled. The list only applies to A/C kits manufactured by Mazda North America. For the location of each of the fittings, refer to the "applied location" section of chart 1. The letters in this section correspond to locations shown in figures 6–12.

APPLIED LOCATION	IDEAL TORQUE SPEC. (ft-lb)	TORQUE SPECIFICATION		WRENCH SIZE (mm)		
		(ft-lb)	(kg)	NUT	UNION	SOCKET
A	12	7.2–14.4	1.0–2.0	19	17, 16	—
B	18	14.4–21.6	2.0–3.0	27	24, 22	—
C	15	10.8–18.0	1.5–2.5	24	22	—
D	10	9.4–10.8	1.3–1.5	17	17, 14	—
E	15	10.8–18.0	1.5–2.5	22	19	—
H	15	10.8–15.8	1.5–2.2	—	—	12

Chart 1: Torque Specifications

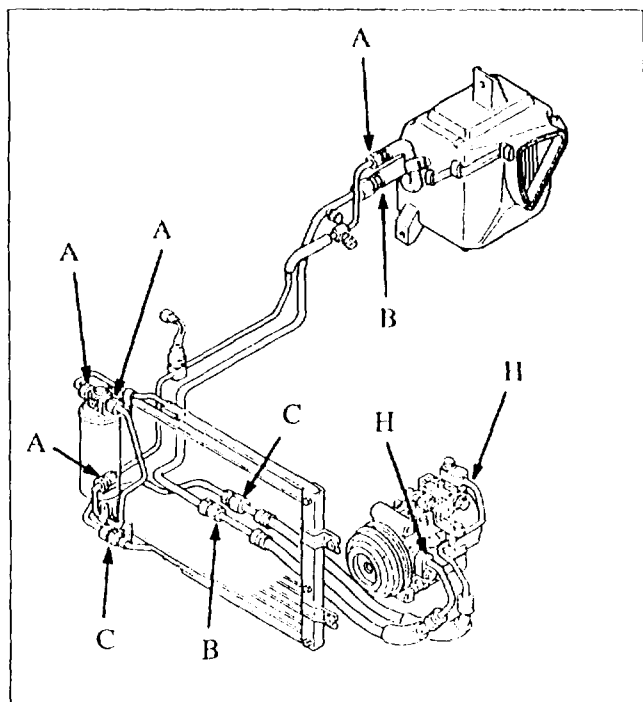


Figure 6: MX-5 A/C System

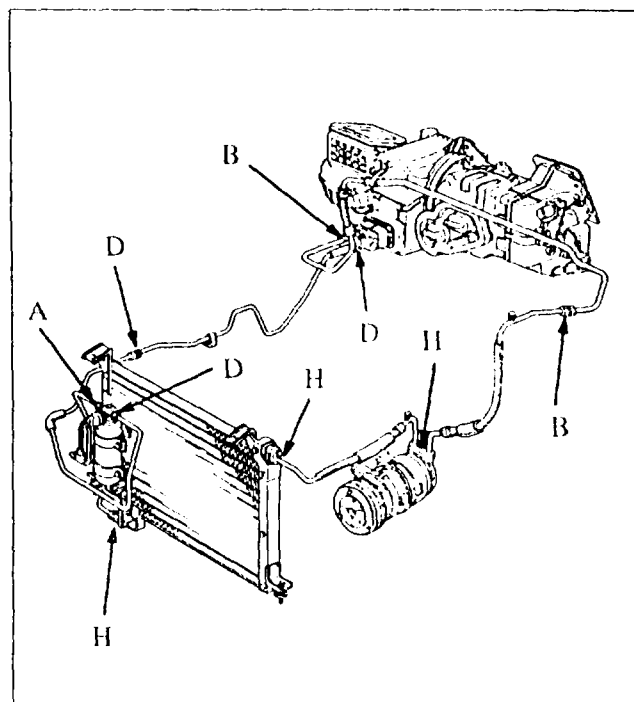


Figure 7: MPV (Single A/C) System

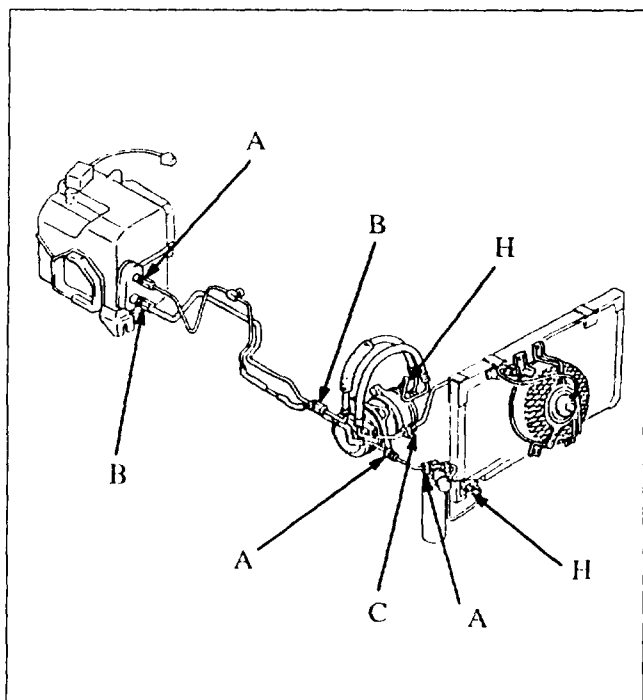


Figure 8: MX-6/626 A/C System

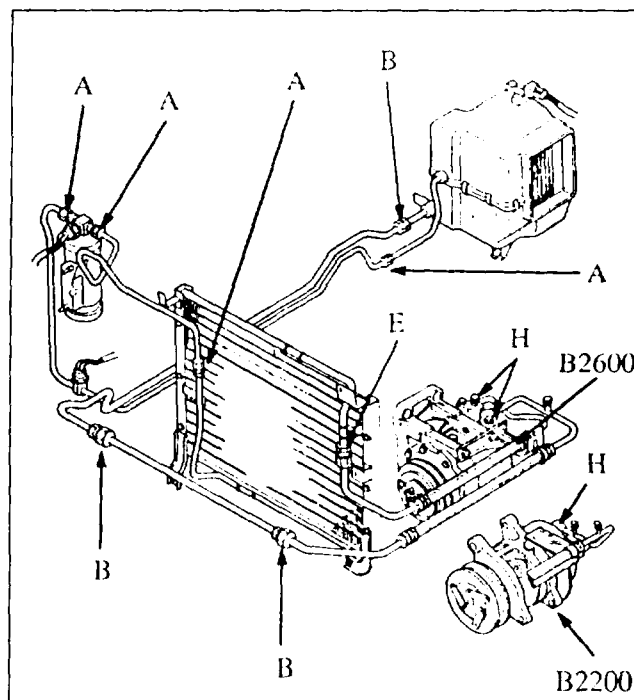


Figure 9: B-Series A/C System

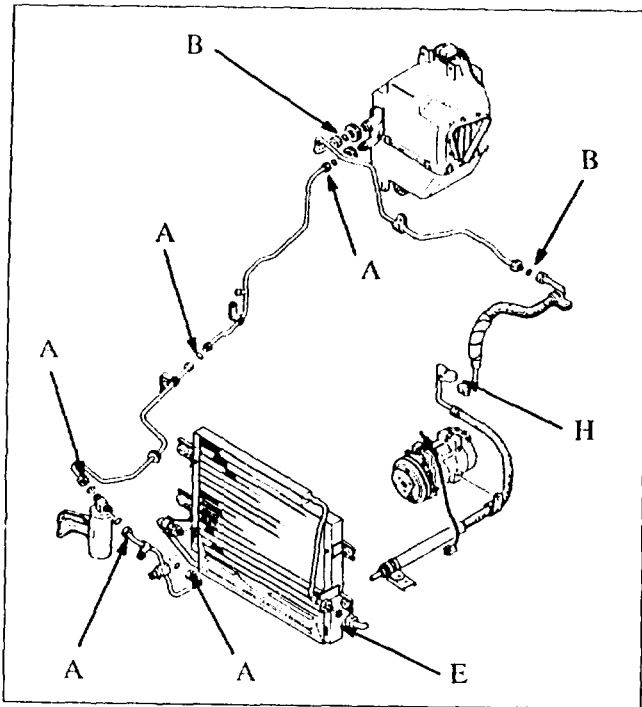


Figure 10: RX-7 (Non-turbo) A/C System

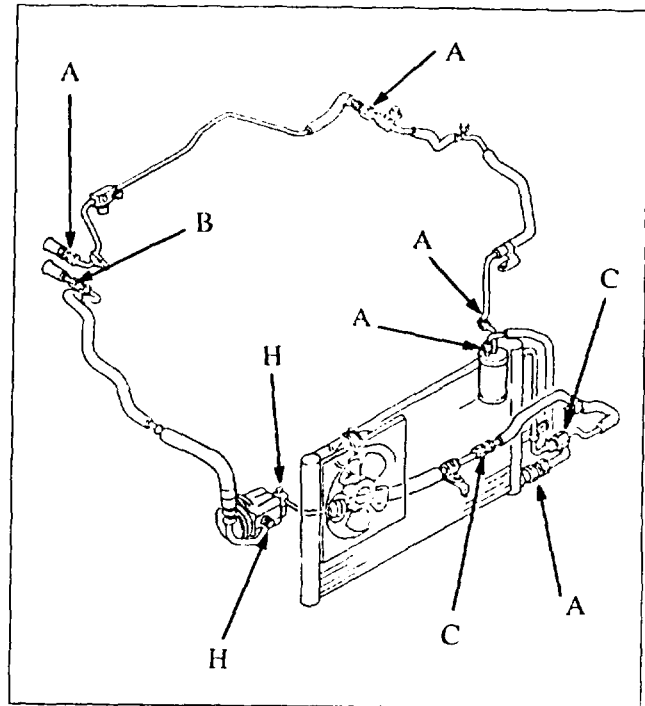


Figure 11: MX-3 A/C System

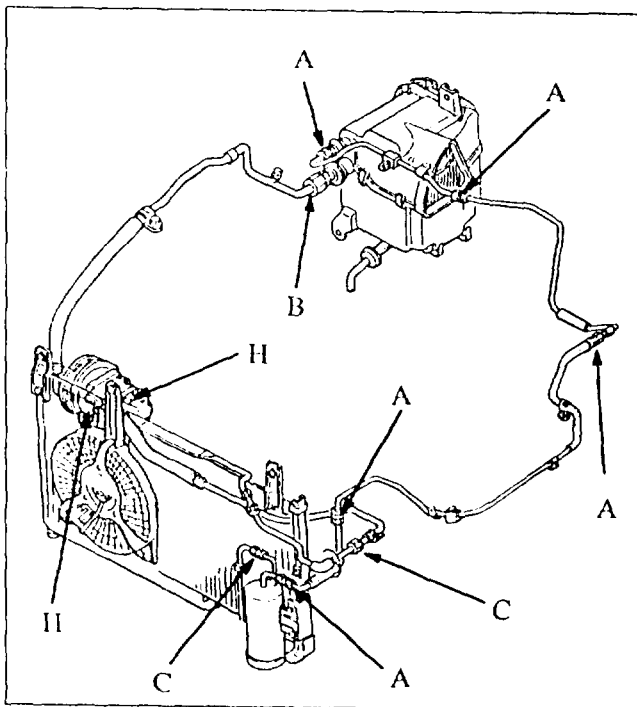


Figure 12: 323/Protegé A/C System