

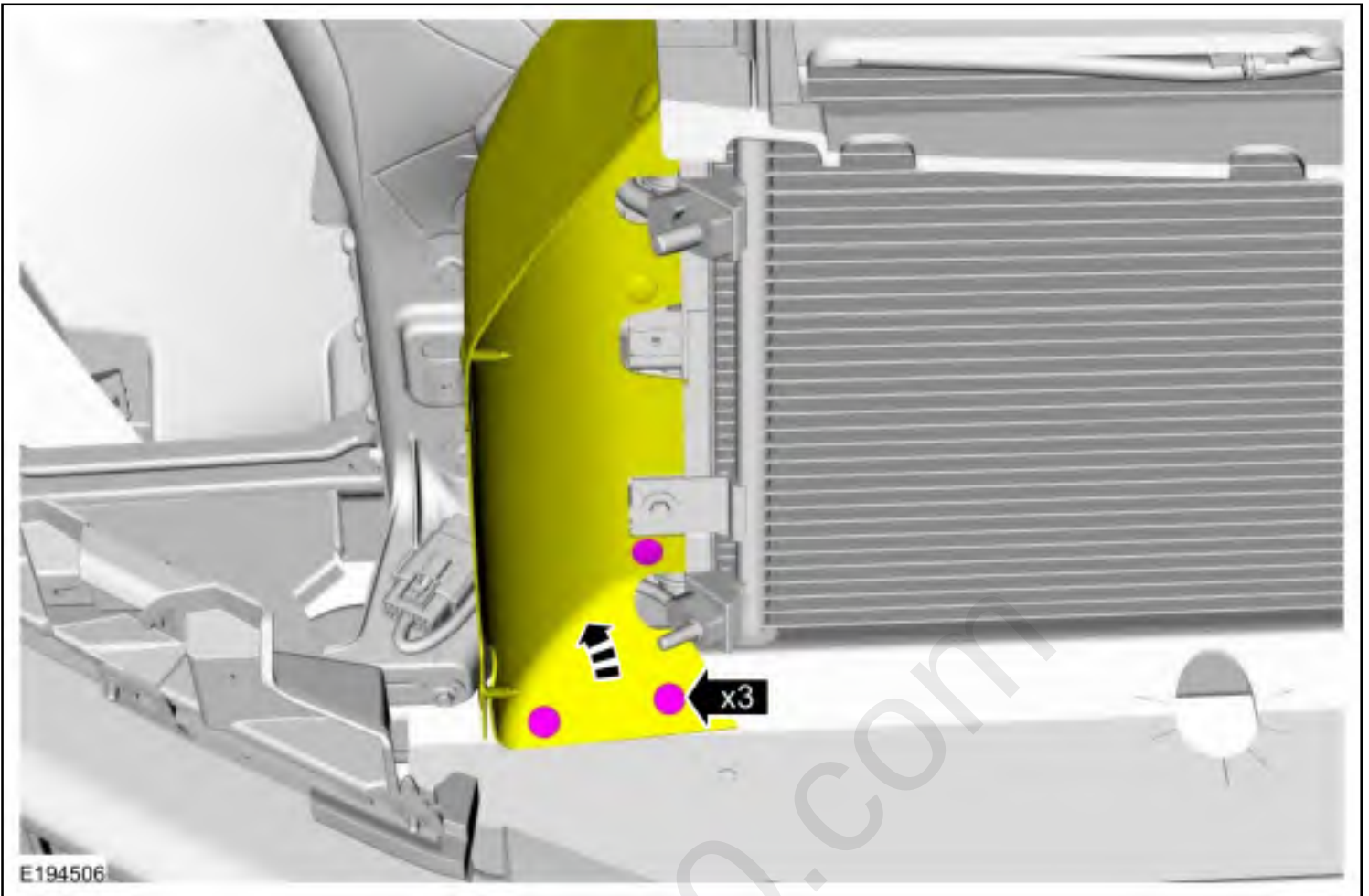
Thermostatic Expansion Valve Manifold and Tube Assembly - 5.0L 32V Ti-VCT

Removal

NOTICE: During the removal or installation of components, cap, tape or otherwise appropriately protect all openings and tubes/fittings to prevent the ingress of dirt or other contamination. Remove caps, tape and other protective materials prior to installation.

NOTE: Removal steps in this procedure may contain installation details.

1. Recover the refrigerant. Refer to the appropriate Recovery procedure in Group 412.
2. Remove the RHF wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
3. Remove the RHF fender splash shield.
Refer to: [Fender Splash Shield](#) (501-02 Front End Body Panels, Removal and Installation).
4. Remove the radiator grille.
Refer to: Radiator Grille (501-08 Exterior Trim and Ornamentation) .
5. Remove the retainers and position the RH splash shield aside.

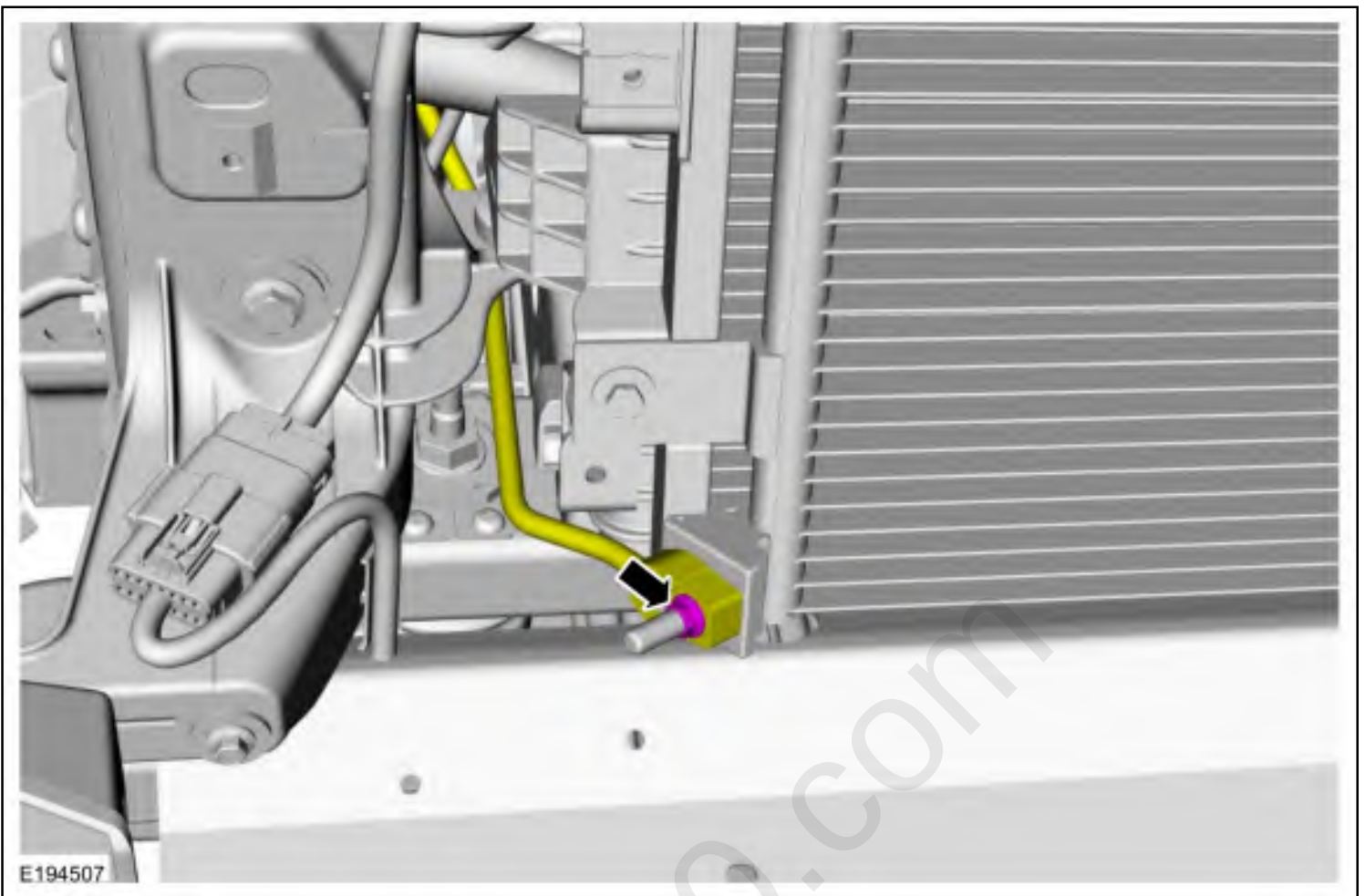


6. NOTICE: Make sure that all openings are sealed.

Remove the thermostatic expansion valve manifold and tube assembly nut and disconnect the fitting.

- Make sure to cover any open ports to prevent debris from entering the system.

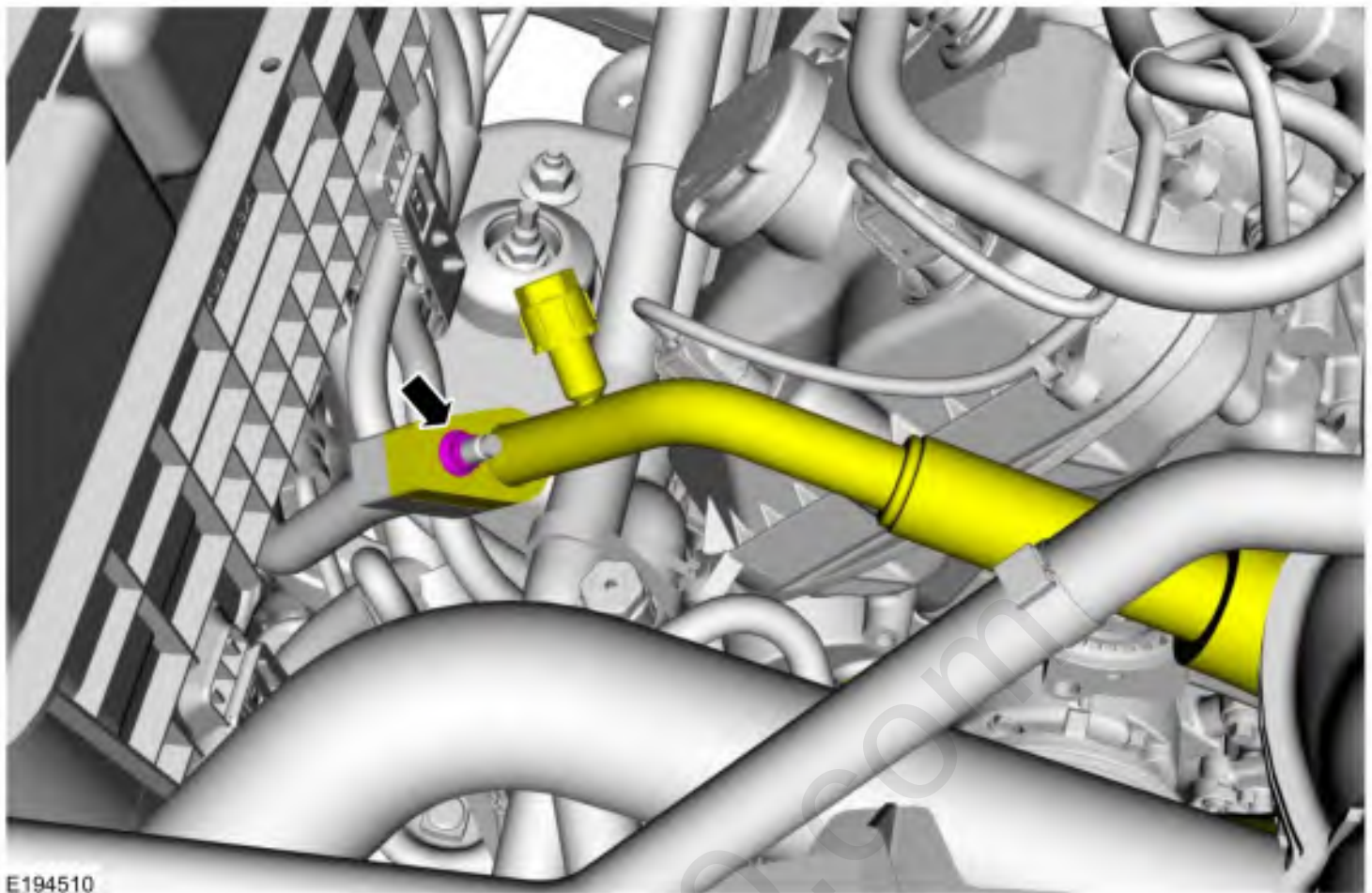
Torque: 71 lb.in (8 Nm)



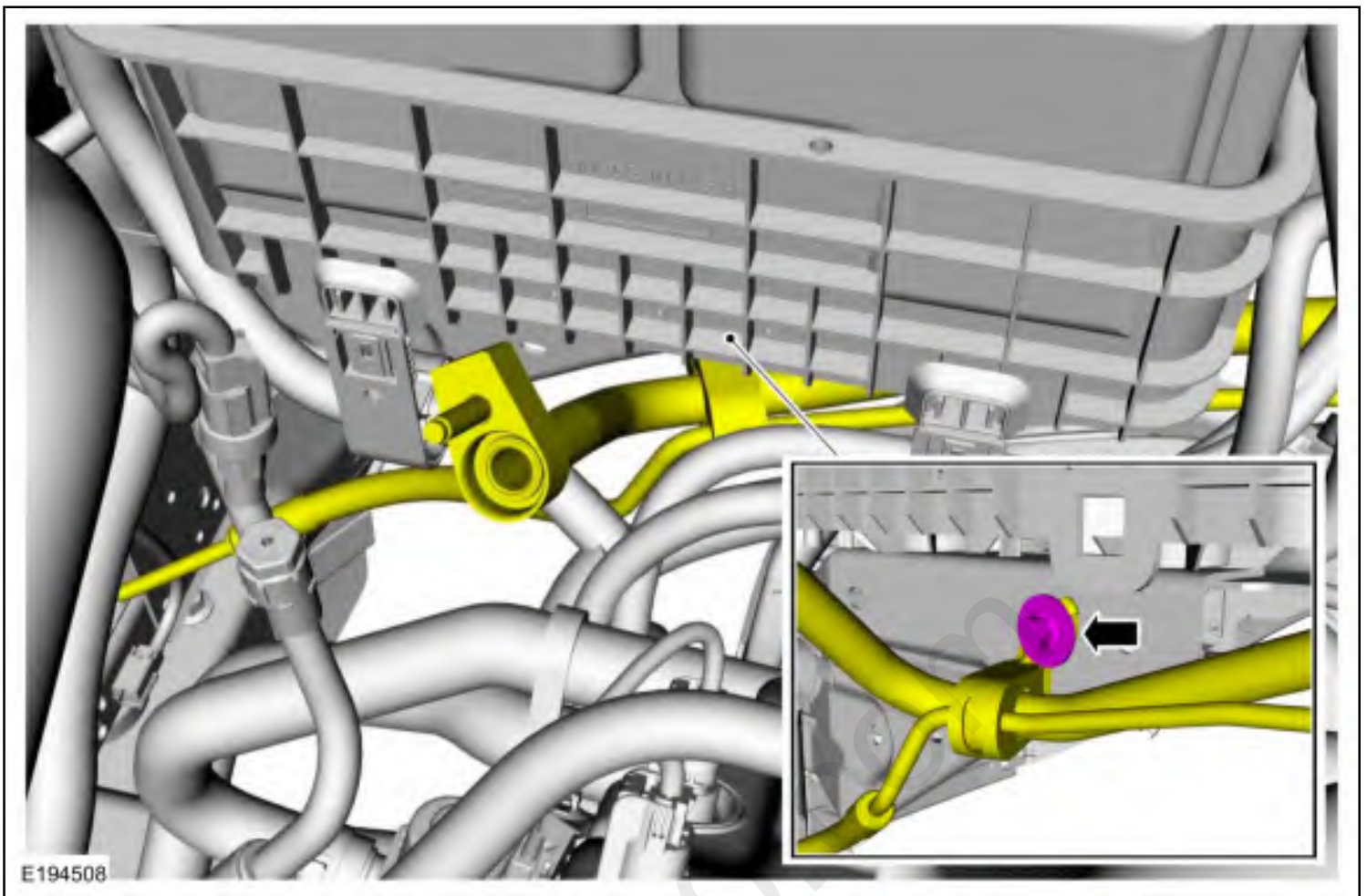
7. NOTICE: Make sure that all openings are sealed.

Remove the A/C compressor inlet line nut, disconnect the fitting and position the A/C compressor inlet line aside.

- Make sure to cover any open ports to prevent debris from entering the system.
Torque: 133 lb.in (15 Nm)



8. Remove the thermostatic expansion valve manifold tube assembly bracket retainer.
Torque: 133 lb.in (15 Nm)

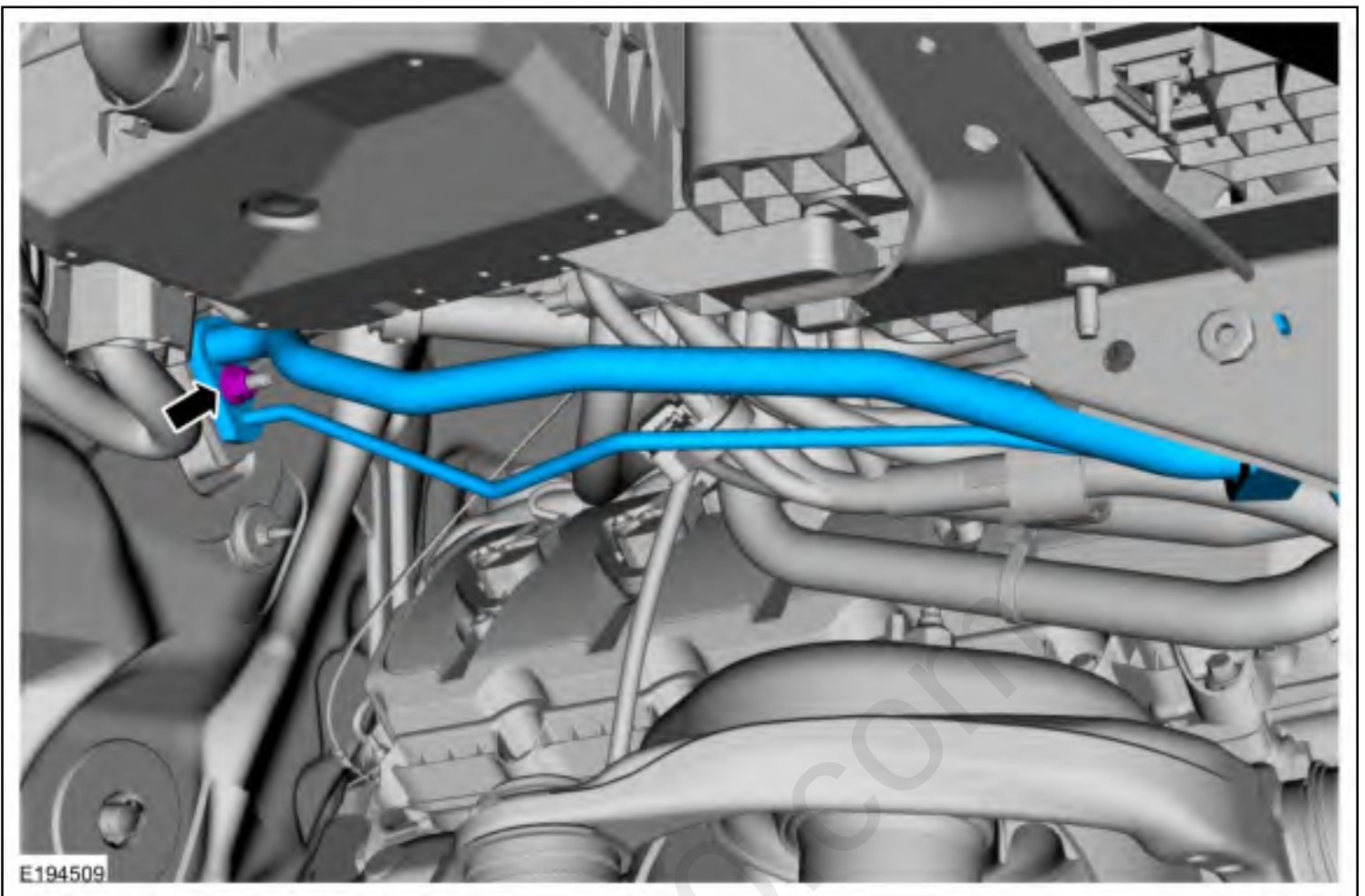


9. NOTICE: Make sure that all openings are sealed.

Remove the thermostatic expansion valve manifold and tube assembly nut, disconnect the fitting and remove the thermostatic expansion valve manifold and tube assembly.

- Make sure to cover any open ports to prevent debris from entering the system.

Torque: 80 lb.in (9 Nm)



Installation

1. To install, reverse the removal procedure.
2. **NOTICE: Only use the specified material to lubricate the seals.**

Install and lubricate new O-ring seals. Refer to the appropriate Specifications in Group 412.

3. Lubricate the refrigerant system with the correct amount of clean PAG oil. Refer to the appropriate Refrigerant Oil Adding procedure in Group 412.