

SECTION 412-01: Climate Control
REMOVAL AND INSTALLATION

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Compressor to Condenser Discharge Line

Material

Item	Specification
Motorcraft® PAG Refrigerant Compressor Oil YN-12-D	WSH-M1C231- B

Removal and Installation

All vehicles

1. Recover the refrigerant. For additional information, refer to [Section 412-00](#).

3.5L GTDI vehicles

2. Remove the Air Cleaner (ACL) outlet pipe, RH ACL pipe to-turbocharger pipe, RH turbocharger bypass hose and the RH turbocharger-to-Charge Air Cooler (CAC) pipe. For additional information, refer to Intake Air System Components — Exploded View, 3.5L Gasoline Turbocharged Direct Injection (GTDI) in [Section 303-12](#).

All vehicles

3. Remove the A/C compressor discharge fitting nut and disconnect the fitting.
 - Discard the O-ring seal and gasket seal.
 - To install, tighten to 15 Nm (133 lb-in).
 4. Remove the RH radiator air deflector upper pin-type retainer and position the air deflector aside.
 5. Disconnect the A/C pressure transducer electrical connector.
 6. Remove the condenser inlet fitting bolt and disconnect the fitting.
 - Discard the O-ring seal and gasket seal.
 - To install, tighten to 20 Nm (177 lb-in).
 7. Remove the compressor-to-condenser discharge line.
 8. To install, reverse the removal procedure.
 - Install new gasket seals and O-ring seals.
 - Add the correct amount of clean PAG oil to the refrigerant system. For additional information, refer to the Refrigerant Oil Adding procedure in [Section 412-00](#).
 9. Evacuate, leak test and charge the refrigerant system. For additional information, refer to [Section 412-00](#).
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