

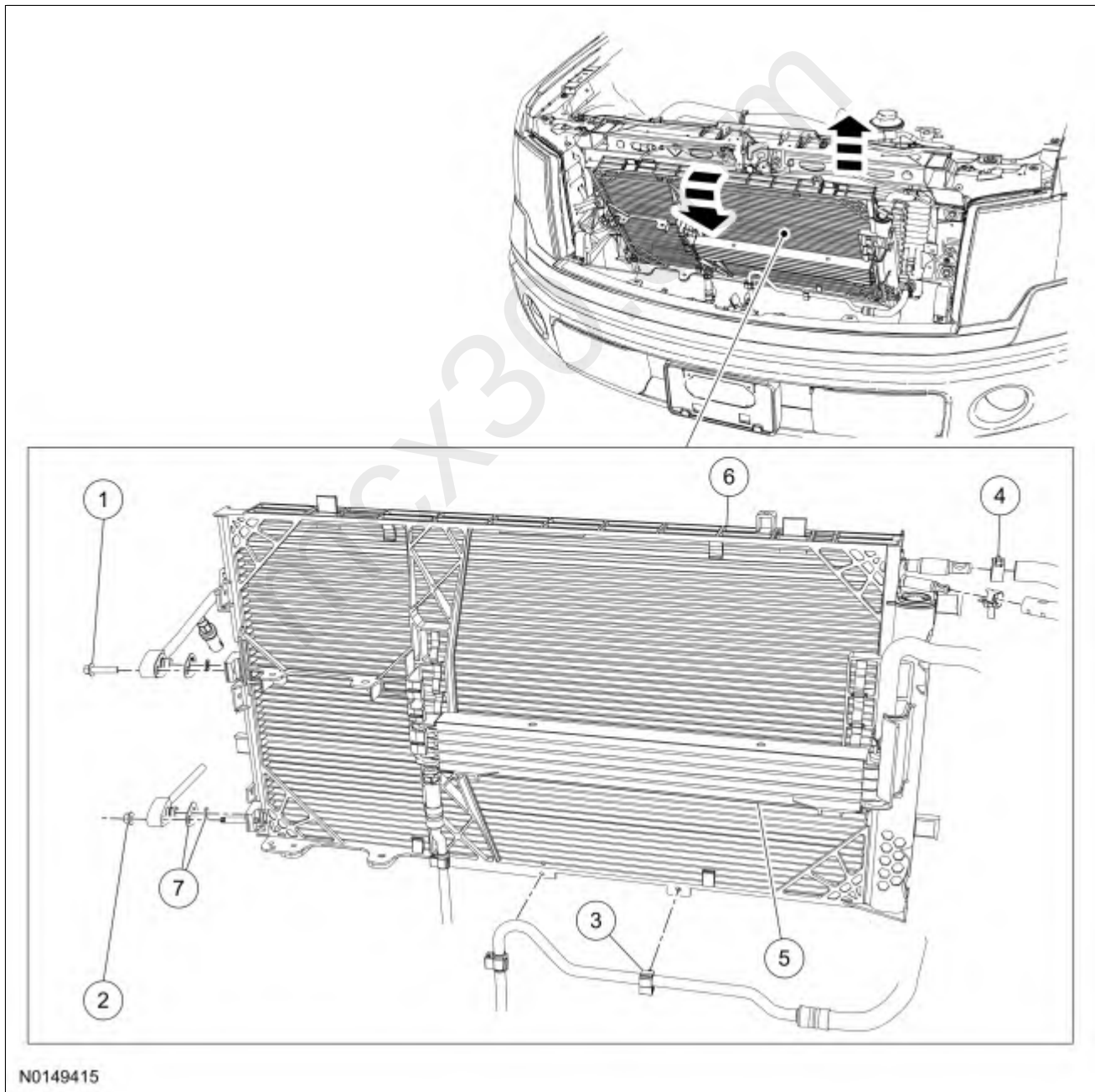
SECTION 412-01: Climate Control
REMOVAL AND INSTALLATION

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

Condenser Core

Material

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

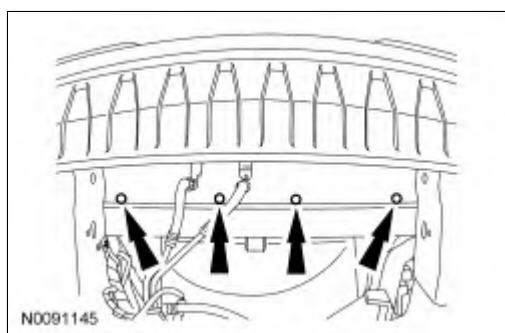


Item	Part Number	Description
1	W715219	Condenser inlet fitting bolt - 20Nm (177 lb-in)
2	W520413	Condenser outlet fitting nut - 15Nm (133 lb-in)
3	7N291	Transmission cooler line pin-type retainer (3 required)
4	—	Power steering fluid cooler hose clamp (6.2L [2V] only) (part of 3A713) (2 required)
5	7A095	Auxiliary transmission fluid cooler
6	19712	Condenser core
7	19B596	O-ring seal and gasket seal kit (2 required)

Removal and Installation

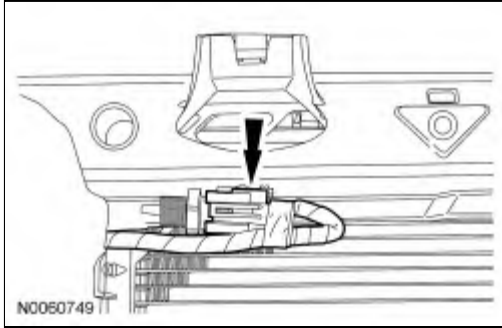
All vehicles

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. Recover the refrigerant. For additional information, refer to [Section 412-00](#).
3. Remove the 6 upper radiator sight shield pin-type retainers and remove the upper radiator sight shield.
4. Remove the RH and LH radiator side air deflector-to-headlamp pin-type retainers.
5. Remove the 5 radiator side air deflector pin-type retainers from the condenser bracket and position the side air deflectors aside.
6. Remove the horn assembly bolt and position the horn assembly aside.
 - To install, tighten to 10 Nm (89 lb-in).
7. Remove the 4 junction box bracket bolts and position the junction box aside.
 - To install, tighten to 10 Nm (89 lb-in).
8. Remove the 4 lower radiator air deflector pin-type retainers from the condenser bracket.

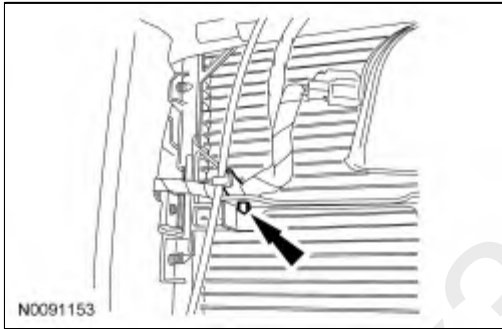


9. Remove the condenser inlet fitting bolt and disconnect the fitting.
 - Discard the O-ring seal and gasket seal.
 - To install, tighten to 20 Nm (177 lb-in).

10. Remove the condenser outlet fitting nut and disconnect the fitting.
 - Discard the O-ring seal and gasket seal.
 - To install, tighten to 15 Nm (133 lb-in).
11. Detach the ambient temperature sensor pin-type retainer from the core support.



12. Detach the hood latch cable pin-type retainer from the condenser core bracket.

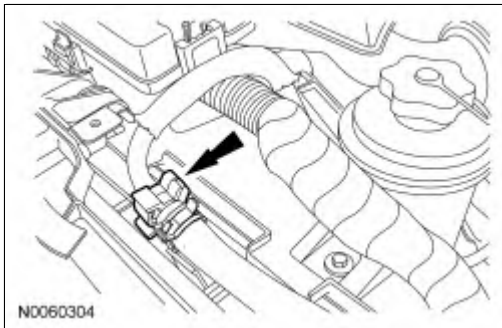


3.5L Gasoline Turbocharged Direct Injection (GTDI)

13. Remove the charge air cooler. For additional information, refer to [Section 303-12](#).

6.2L (2V) vehicles

14. Detach the power steering cooler line clip from the top of the condenser core bracket.



15. Detach the 3 transmission cooler line pin-type retainers from the condenser bracket.

Vehicles with auxiliary transmission fluid cooler

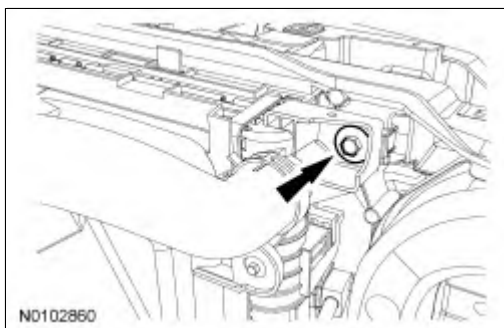
16. Release the auxiliary transmission fluid cooler from the condenser core bracket and position aside.

All vehicles

17. **NOTE:** RH bolt shown, LH similar.

Remove the 2 radiator bolts.

- To install, tighten to 15 Nm (133 lb-in).



6.2L (2V) vehicles

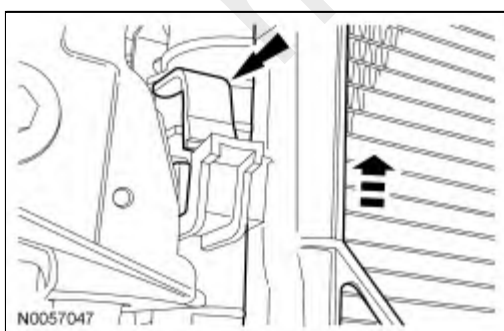
18. Using a suitable suction device, remove the power steering fluid from the fluid reservoir.
19. Release the 2 power steering fluid cooler hose clamps and disconnect the power steering cooler hoses from the condenser core.

All vehicles

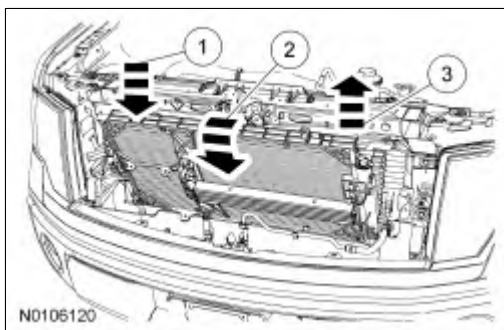
20. **NOTE:** The cooling module must be positioned rearward to detach the condenser from the radiator.

NOTE: RH condenser retaining clip shown, LH similar.

Release the 2 condenser core retaining clips, lift the condenser core upward and detach it from the radiator.



21. Remove the condenser core and bracket assembly.
 1. Lower the condenser core and bracket assembly to allow the top of the assembly to be tilted forward.
 2. Tilt the top of the condenser core and bracket assembly forward to allow it to clear the upper radiator support.
 3. Lift the condenser core and bracket assembly out of the vehicle.



22. 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](#).
 23. Evacuate, leak test and charge the refrigerant system. For additional information, refer to [Section 412-00](#).
-