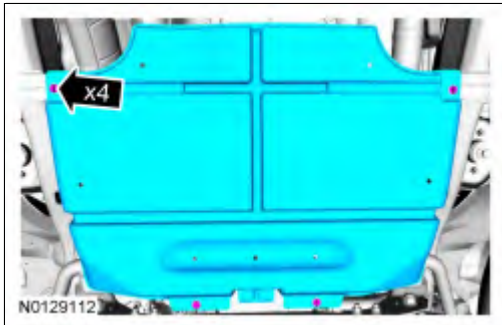


SECTION 309-00: Exhaust System
GENERAL PROCEDURES

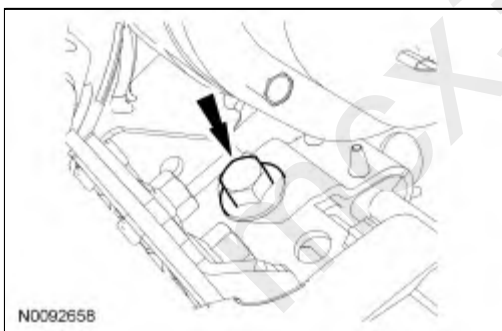
2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Exhaust System Alignment

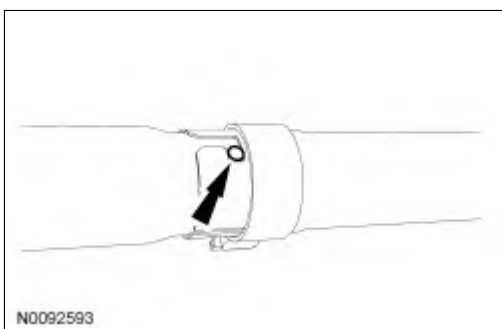
1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. If equipped, release the 4 fasteners and remove the splash shield.



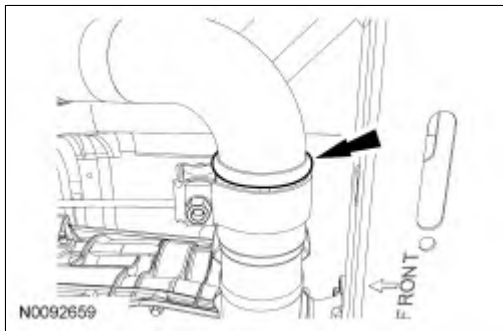
3. Loosen all exhaust system component fasteners adjoining the exhaust system.
4. Loosen the 2 front muffler isolator and bracket assembly bolts.
5. Loosen the LH isolator cap bolt.



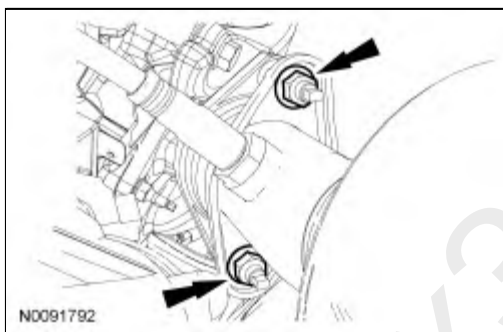
6. Make sure the button on the exhaust intermediate pipe is fully inserted into the L-notch on the muffler and tail pipe assembly inlet pipe.



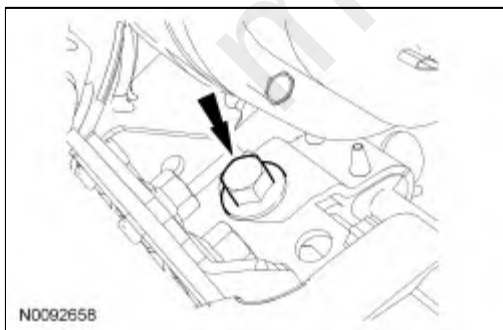
7. Make sure the LH catalytic converter is fully seated into the RH catalytic converter up to the stop on the LH catalytic converter.



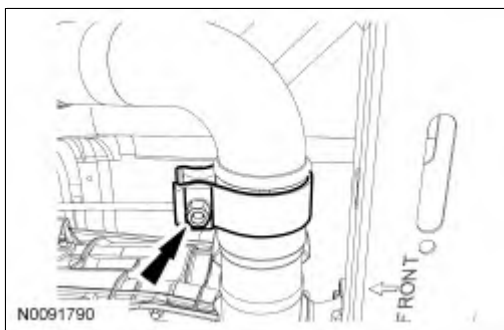
8. Tighten the RH catalytic converter-to-exhaust manifold or turbocharger nuts in the following sequence.
 1. Tighten the RH lower catalytic converter-to-exhaust manifold or turbocharger nut to 40 Nm (30 lb-ft).
 2. Tighten the RH upper catalytic converter-to-exhaust manifold or turbocharger nut to 40 Nm (30 lb-ft).



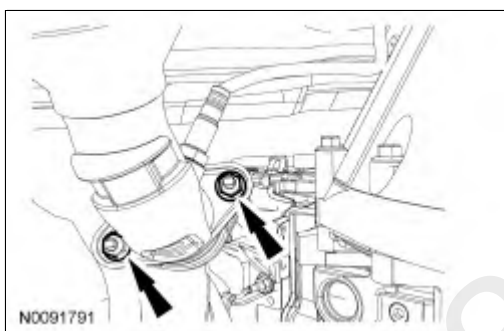
9. Tighten the LH isolator cap bolt.
 - Tighten to 55 Nm (41 lb-ft).



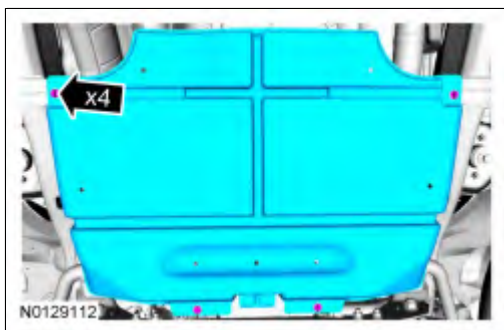
10. Tighten the RH catalytic converter-to-LH catalytic converter Torca® clamp.
 - Tighten to 55 Nm (41 lb-ft).



11. Tighten the LH catalytic converter-to-exhaust manifold or turbocharger nuts in the following sequence.
 1. Snug the LH inner catalytic converter-to-exhaust manifold or turbocharger nut.
 2. Tighten the LH outer catalytic converter-to-exhaust manifold or turbocharger nut to 40 Nm (30 lb-ft).
 3. Tighten the LH inner catalytic converter-to-exhaust manifold or turbocharger nut to 40 Nm (30 lb-ft).



12. Tighten the exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolts in the following sequence.
 1. Snug the outer exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolt.
 2. Tighten the inner exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolt to 63 Nm (46 lb-ft).
 3. Tighten the outer exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolt to 63 Nm (46 lb-ft).
13. Tighten the exhaust intermediate pipe-to-muffler and tail pipe assembly exhaust Torca® clamp.
 - Tighten to 47 Nm (35 lb-ft).
14. Tighten the 2 front muffler isolator and bracket assembly bolts.
 - Tighten to 30 Nm (22 lb-ft).
15. If equipped, install the splash shield and the 4 fasteners.



16. Start the engine and check the exhaust system for leaks.
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