

 HYUNDAI NEW THINKING. NEW POSSIBILITIES. Technical Service Bulletin	GROUP	NUMBER
	CAMPAIGN	13-01-024
	DATE	MODEL
	JUNE 2013	SANTA FE (NC)
SUBJECT OIL PAN INSPECTION AND REPLACEMENT (SERVICE CAMPAIGN TP2)		

Description: This bulletin provides the procedure to inspect and replace the oil pan for Santa Fe (NC) vehicles equipped with the Lambda 3.3L engine.

★ IMPORTANT

***** Dealer Stock and Retail Vehicles *****


Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Applicable Vehicles: 2013 MY Santa Fe (NC)

- Produced from December 18, 2012 to April 24, 2013

Parts Information:

Part Name	Part Number	New Part Identification
ENGINE OIL PAN ASSEMBLY	21510-3C160QQH	

Warranty Information:

Op Code	Operation	Op Time
30C022R2	ENGINE OIL PAN INSPECTION	0.3 M/H
30C022R3 (See NOTE ²)	ENGINE OIL PAN INSPECTION & REPLACEMENT	0.9 M/H

NOTE: Submit claim on Campaign Claim Entry Screen

NOTE²: \$21.54 will be automatically reimbursed via the sublet amount on the Campaign Claim for the engine oil (6 quarts) and sealant.

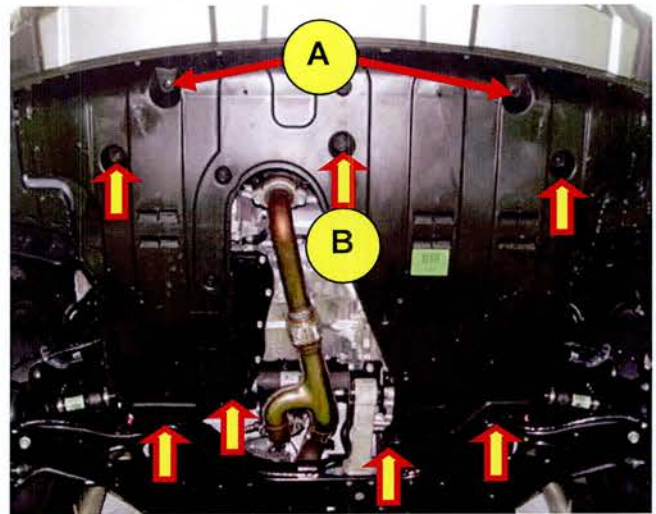
SERVICE PROCEDURE

ENGINE OIL PAN INSPECTION

1. Remove the under cover mounting clips (A).
2. Remove the under cover mounting bolts (B).

Tightening Torque:

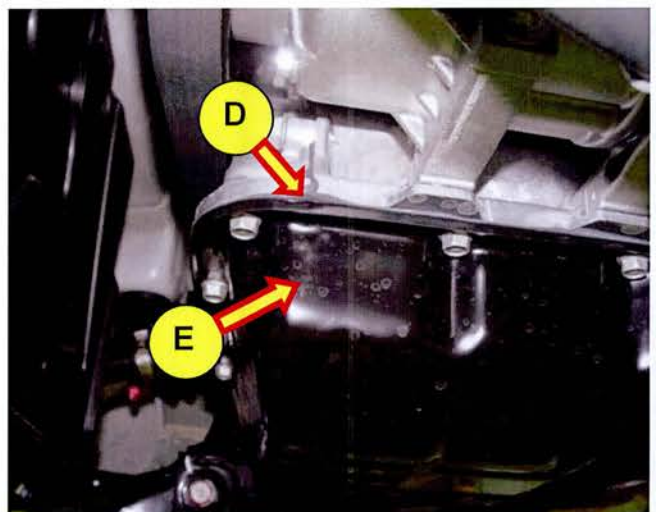
- 7.0 lb.f-ft (9.5 Nm / 0.97 kgf.m)



3. Remove the under cover (C).

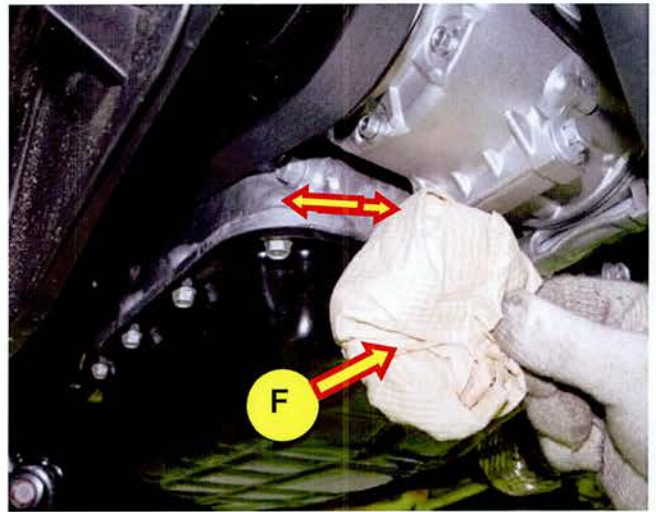


4. Check for any signs of oil between the lower crankcase flange (D) and the engine oil pan (E) mating surfaces.

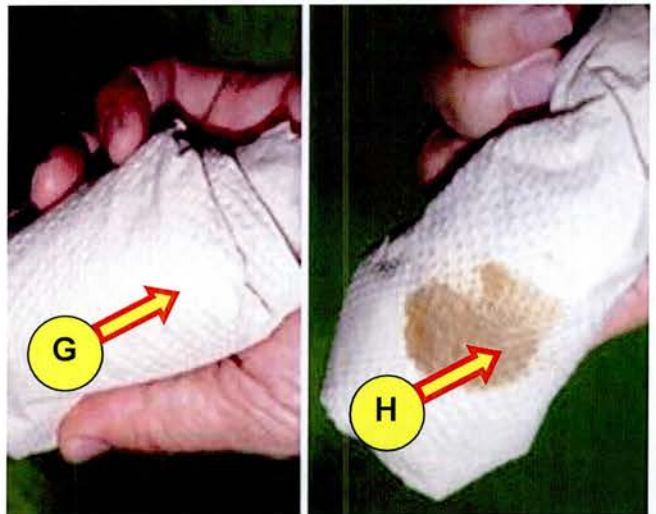


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5. Wipe the surrounding surfaces of the oil pan and sealing points with a clean fabric or tissue (F) and check if there are any signs of oil leakage.



6. If no oil residue is found (G), then no further procedure is required. Reinstall the under cover.
7. If oil residue is found and presence of oil is determined (H), then replace the oil pan following the "ENGINE OIL PAN REPLACEMENT" procedure.



ENGINE OIL PAN REPLACEMENT

CAUTION

Allow the engine temperature to cool sufficiently before replacing the oil pan.

1. Remove the drain plug (A) to drain the engine oil.

Tightening Torque:

- 29 lb.f-ft (39.3 Nm / 4.0 kgf.m)

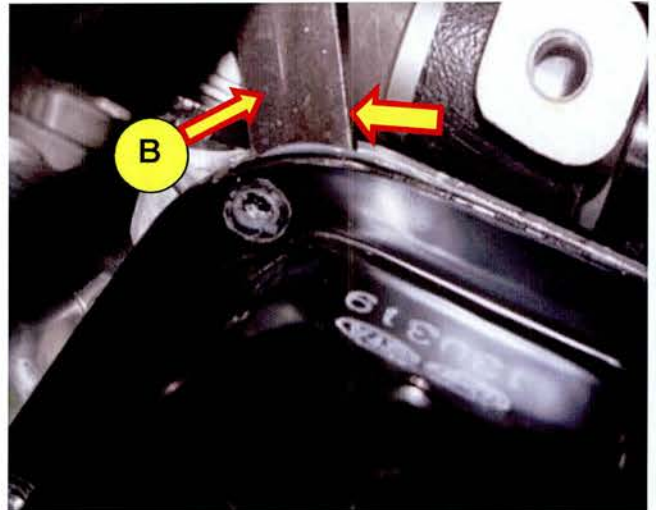
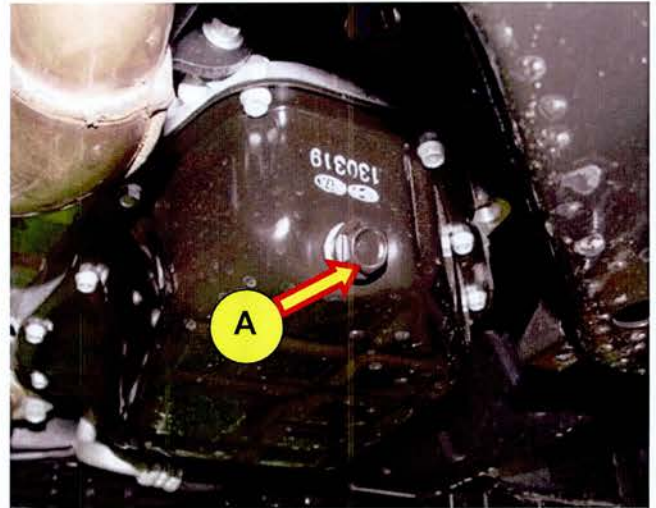
2. Remove the oil pan fastening bolts (total: 13).

Tightening Torque:

- 8.0 lb.f-ft (10.8 Nm / 1.1 kgf.m)

3. Gently separate the oil pan from the lower crankcase flange using SST(Special Service Tool) 09215-3C000 (B), or equivalent.

4. Remove the oil pan (C) after separating it from the lower crankcase flange.

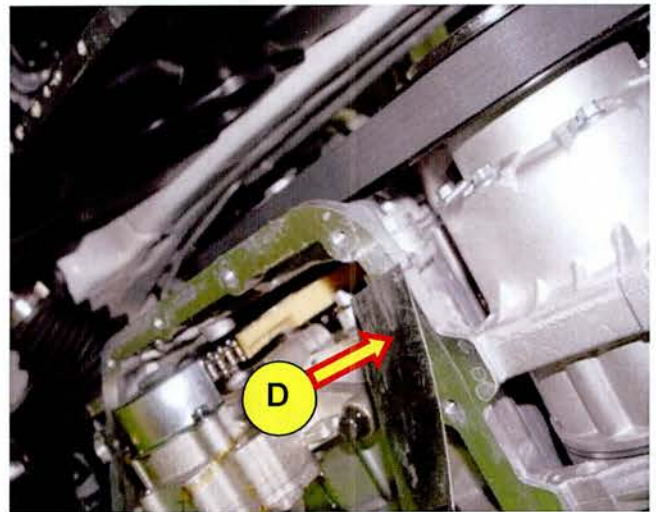


5. Remove the liquid gasket (D) which remains on the flat sealing surfaces on the lower crankcase flange.

NOTICE

When removing the liquid gasket residue, take precaution to prevent gouging of the lower crankcase sealing flange.

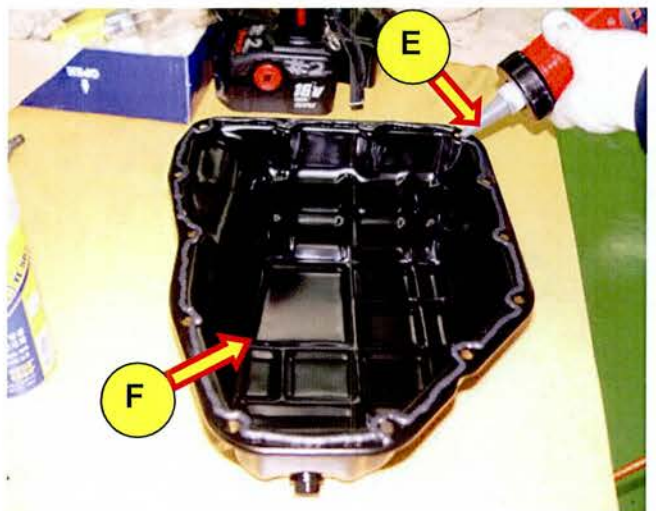
Confirm that there are no liquid gasket residues or oil on the flange sealing surface



6. Apply the liquid gasket (E) to the new oil pan (F).
 - Use Hyundai Gray RTV Liquid Gasket.

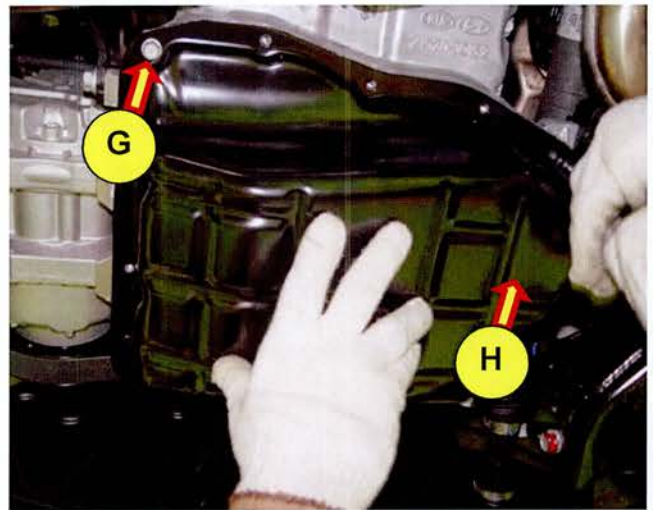
NOTICE

- The surface of the new oil pan must be cleaned before applying the liquid gasket.
- Apply liquid gasket with a bead thickness of 4mm.
- Install the new oil pan within 5 minutes after applying gasket (E).
- Allow RTV of the assembled oil pan to cure for at least 30 minutes before adding oil and starting engine.



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7. Hand thread all the removed bolts (G) to the new oil pan (H).



8. Check oil drain plug torque on new oil pan.

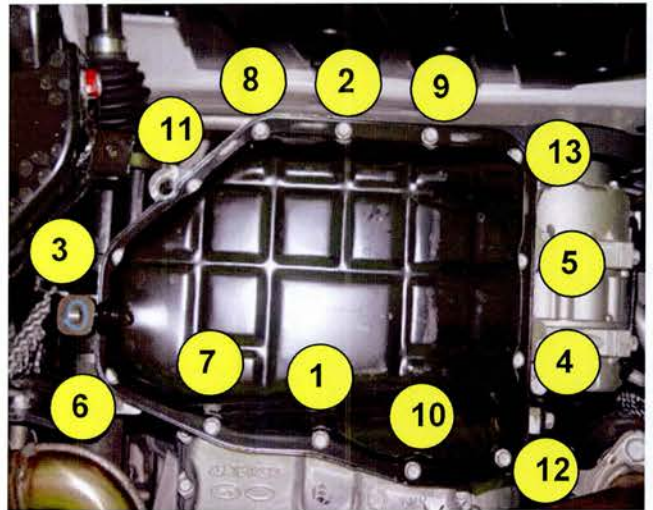
Tightening Torque:

- 29 lb.f-ft (39.3 Nm / 4.0 kgf.m)

9. Tighten the fastening bolts using the sequential order as indicated in the picture on the right.

Tightening Torque:

- 8.0 lb.f-ft (10.8 Nm / 1.1 kgf.m)



10. Reassemble all of the removed parts in reverse order of disassembly.

11. Refill the engine oil between F (FULL) and above the L (LOW) level.

- Fill in ¼ quart increments at a time while rechecking until the middle range between F (FULL) and L (LOW) level is reached.
- Do not overfill past the F (FULL) mark.

12. Start the engine and verify repair.