

August 26, 2026

Version 1

Warranty Extension: 2017 CR-V 1.5T Cylinder Head Gasket (6 Month) - Expires May 31, 2027

APPLIES TO

Year	Model	Trim Level	VIN Range
2017	CR-V 1.5L Turbo	ALL	Check iN VIN status for eligibility.

BACKGROUND

Under certain conditions, the cylinder head gasket effectiveness may be reduced which may cause vehicles to experience overheating, coolant loss, misfire, and/or DTCs P0300 thru P0304 stored.

American Honda is extending the warranty coverage on the cylinder head gasket, related to this condition, to **May 31, 2027 or 150,000 miles**, whichever comes first. Any repair orders issued after that date are no longer valid.

OWNER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an iN VIN status inquiry to make sure the vehicle is shown as eligible.

CORRECTIVE ACTION

Replace the cylinder head gasket if coolant is leaking into the combustion chamber. In addition, if cylinder head or engine block warpage is detected, replace the cylinder head and/or the engine short block as dictated by the inspection process.

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

WARRANTY CLAIM INFORMATION

NOTE: Each warranty claim must include the following documentation from the Head Gasket Inspection Procedure, submitted in PDF format:

- ALL DTC Check printout from step 2.
- Borescope image from Step 9.3 with VIN, Repair Order Number, Date, and Engine Number.

Repair Procedure #1 – Head Gasket Only

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1105E6	Inspect for coolant leaks. Remove cylinder head and check head and engine block for warpage. Replace head gasket (includes DTC clear)	13.2 hr	6A700	XPO00	A26098A	12251-59B-004

Repair Procedure #2 – Head Gasket and Cylinder Head Replacement

1105E7	Inspect for coolant leaks. Remove cylinder head and check head and engine block for warpage. Replace head gasket and cylinder head (includes DTC clear, completing Job Aid, and contacting the Repair Verification Team)	13.7 hr	6A700	XPO00	A26098B	12251-59B-004
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Repair Procedure #3 – (FWD) Head Gasket and Short Block Replacement

1105E8	(FWD) Inspect for coolant leaks. Remove cylinder head and check head and engine block for warpage. Replace head gasket and short block (includes DTC clear, completing Job Aid, contacting the Repair Verification Team, and align)	15.1 hr	6A700	XPO00	A26098C	12251-59B-004
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Repair Procedure #3 – (AWD) Head Gasket and Short Block Replacement

1105E8	(AWD) Inspect for coolant leaks. Remove cylinder head and check head and engine block for warpage. Replace head gasket and short block (includes DTC clear, completing Job Aid, contacting the Repair Verification Team, and align)	15.5 hr	6A700	XPO00	A26098D	12251-59B-004
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Repair Procedures #2 & #3 – (FWD) Head Gasket, Cylinder Head and Short Block Replacement

1105E9	(FWD) Inspect for coolant leaks. Remove cylinder head and check head and block for warpage. Replace head gasket, cylinder head and short engine block (includes DTC clear, completing Job Aid, contacting the Repair Verification Team, and align)	15.2 hr	6A700	XPO00	A26098E	12251-59B-004
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Repair Procedures #2 & #3 – (AWD) Head Gasket, Cylinder Head and Short Block Replacement

1105E9	(AWD) Inspect for coolant leaks. Remove cylinder head and check head and engine block for warpage. Replace head gasket, cylinder head and short block (includes DTC clear, completing Job Aid, contacting the Repair Verification Team, and align)	15.6 hr	6A700	XPO00	A26098F	12251-59B-004
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PARTS INFORMATION

Repair Procedure #1 – Head Gasket Replacement

Part Name	Part Number	Quantity
GASKET, CYLINDER HEAD (NIPPON LEAKLESS) (2017–2020 only)	12251-59B-A01	1
GASKET, CYLINDER HEAD (NIPPON LEAKLESS) (2021–2022 only)	12251-67A-A01	1
GASKET, HEAD COVER	12341-59B-013	1
FILTER, OIL	15400-RTA-003	1
FILTER ASSY., TURBOCHARGER OILFEED	15533-59B-003	1
WASHER, SEALING (TURBO FEED LINE)	15535-6A0-A00	1
OIL SEAL, CONTROL VALVE	15832-RAA-A01	1
PIPE SET, FUEL JOINT (MSDS)	16012-5PA-315	1
GASKET, IN. MANIFOLD	17105-5AA-004	4
TUBE SET, BREATHER	17152-5PA-A00	1
GASKET, TURBOCHARGER JOINT IN.	17285-5AA-A01	1
GASKET, TURBOCHARGER JOINT OUT.	17286-5AA-A01	1
GASKET A, TURBOCHARGER	18233-59B-004	1
GASKET B, TURBOCHARGER	18234-59B-004	1
GASKET, EX. PIPE	18302-SP0-003	1
GASKET, DRAIN (DENSO)	19012-671-300	1
GASKET, THERMOSTAT CASE	19321-59B-004	1
O-RING, WATER PASSAGE (OIL)	19411-5AA-A01	1
NUT, SELF-LOCK (10MM) (CATALYST)	90012-59B-004	4
BOLT, FLANGE (12X40) (SIDE MOUNT BOLT)	90162-T0A-A00	2
BOLT, FLANGE (12X35) (TORQUE MOUNT)	90164-T0A-A00	2
BOLT, FLANGE (14X76) (SIDE MOUNT)	90164-TLA-A00	1
BOLT, FLANGE (12X97) (SIDE MOUNT)	90165-S04-000	1
BOLT, FLANGE (10X30) (SIDE MOUNT)	90171-TBA-A00	3
NUT, SELF-LOCK (10MM) (EXHAUST)	90212-SA5-003	3
NUT, FLANGE (14MM) (SIDE MOUNT)	90371-SJD-003	1
OIL SEAL (43X58X7) (CRANK SEAL)	91212-59B-003	1
O-RING, WATER PASSAGE (WATER) (ARAI)	91306-59B-003	1
HPFP O-RING	91311-5A2-A01	1
O-RING (31.2X4.1) (NOK) (CONNECTING PIPE)	91314-PH7-003	2
WASHER, DRAIN PLUG	94109-14000	1

Repair Procedure #2 – Cylinder Head Replacement

THERMOSTAT SET	06193-59B-306	1
GENERAL ASSY., CYLINDER HEAD	10003-5PA-A00	1
OIL SEAL, CONTROL VALVE	15832-RAA-A01	1
CLIP, INJECTOR	16451-5R1-J01	4
SEAL SET, INJECTOR	16453-5R1-J00	1

Repair Procedure #3 – Short Block Replacement

GENERAL ASSY., CYLINDER BLOCK (2017–2020 only)	10002-5PA-A02	1
GENERAL ASSY., CYLINDER BLOCK (2021–2022 only)	10002-5PA-A10	1
GASKET, EX. PIPE	18303-T2B-A01	1
O-RING, WATER PASSAGE (OIL)	19411-5AA-A01	1
NUT, FLANGE (10MM) (SWAY BAR LINK)	90002-S10-000	1
BOLT, FLANGE (12X35) (TORQUE MOUNT)	90164-T0A-A00	6
BOLT, FLANGE (14X125) (TORQUE ROD)	90169-TLA-A01	1
NUT, SELF-LOCK (10MM) (EXHAUST)	90212-SA5-003	3
NUT, SELF-LOCK (12MM) (KNUCKLE) (CLINCH)(SATO RASHI)	90215-SB0-003	3
NUT, SPINDLE	90305-S3V-A11	1
GASKET (10MM)	90471-59C-000	1
WASHER, DRAIN PLUG (18MM)	90471-PX4-000	1
O-RING, WATER PASSAGE (WATER)	91306-59B-003	1
CKP SENSOR O-RING	91333-PNC-006	1
WASHER, SEALING (28MM) (only needed on vehicles with Honda block heater accessory)	90401-PR4-000	1

REQUIRED MATERIALS

Part Name	Part Number	Quantity
Hondabond HT	08718-0004	1
Brake Cleaner (Restricted for CA, CO, CT, DE, MD, NH, NY, RI, UT, and NJ)	08700-9200	1
Brake Cleaner 10% VOC	08700-9222	1
Brake Cleaner SCAQMD Compliant	08700-SBPCA	1
Long Life Antifreeze/Coolant Type 2	08CLA-P99-0F0A8	2
CVT Fluid HCF2	08200-HCF2	2WD – 4 us qt. AWD – 5 us qt.
Honda 0W-20 Motor Oil	08798-9163	3.7 US qt. (4.2 US qt. with short block replacement)
Red Scotch-Brite® or equivalent	Commercially available	1

TOOL INFORMATION

Tool Name	Part Number	Quantity
Cooling System Pressure Tester	SVTS272A	1
Snap-on 5.5 mm Borescope	BK5700	1
Engine Support Hanger Tool	AART1256	1
Universal Lift Eyelet *	07AAK-SNAA600	1
Support Eyelet *	07AAK-SNAA120	2
Spacer 4X.375 *	07AAB-59BA110	2
Bolt M10x1.25 – 30MM (10.9) *		1
Bolt M10x1.25 – 20MM (10.9) *		1
Bolt M8x1.25 – 30MM (10.9) *		1
Bolt M8x1.25 – 20MM (10.9) *		1
Straight Edge 18" *	07AAJ-59BA110	1
Feeler Gauge *	07AAJ-59BA120	1
Torque Angle Gauge	TA360 or Commercially Available	1

* Delivered to all dealers in the Warpage Inspection Kit 07AAJ-59BA100

INSPECTION PROCEDURE

1. Begin the inspection procedure when the engine is cold.
2. Run the ALL DTC Check with i-HDS and document all stored PGM-FI DTCs.
NOTE: Print the ALL DTC check results in PDF format to submit with the warranty claim. Claims submitted without the ALL DTC attachment will be denied.
3. Remove the radiator cap, top off the coolant if low, then install the cooling system pressure tester.
4. Buckle the driver's seat belt.
5. With the cooling system pressure tester installed and the climate control OFF, start the engine and let it run until it reaches normal operating temperature (indicated by the cooling fan cycling on or ECT1 reaches **194°F [90°C]**).
6. Turn the engine OFF once it reaches normal operating temperature.
7. Check the cooling system pressure. If the pressure is below **18 psi**, use the pressure tester to bring the cooling system pressure to **18 psi**.
NOTE: The cooling system pressure could be higher than **18 psi** when vehicle reaches normal operating temperature, which is acceptable.
8. Remove all 4 spark plugs.

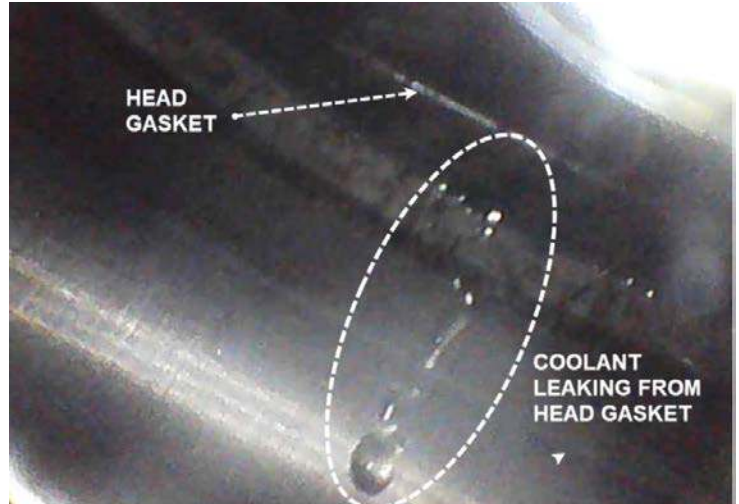
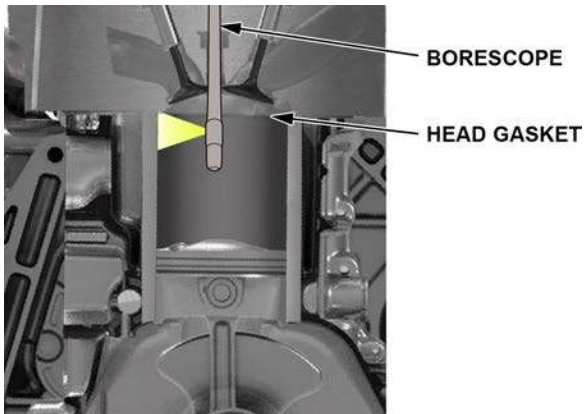
9. Use the Snap-on BK5700 Borescope to inspect all cylinders for coolant entering at the head gasket.

Click here to view the video of coolant leak in cylinder:

▶ PLAY VIDEO

9.1 Write the VIN, repair order number, and current date on a yellow sticky note.

9.2 Insert the borescope through the spark plug hole to inspect for coolant entering the cylinders. Using the **90°** camera to capture a side view, focus on the area where the cylinder head meets the block and scan completely **360°** around the cylinder.



9.3 If coolant is observed, place the yellow sticky note to the side of the borescope screen. Then, take a picture of the borescope showing the yellow sticky note, the image of the leak in the cylinder, and the engine number.

NOTE:

- This image needs to be submitted with the warranty claim. Claims submitted without this image will be denied.
- The image must be saved in PDF format.



ENGINE NUMBER

9.4 Repeat for all cylinders.

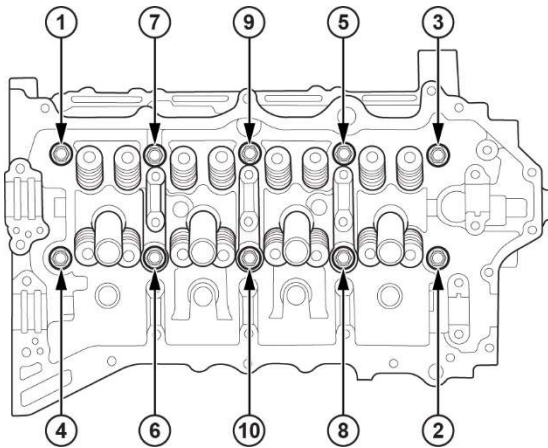
Is coolant leaking into the cylinders?

YES – Reinstall the spark plugs and ignition coils, then proceed to DETERMINING NECESSARY REPAIRS on the next page.

NO – This bulletin **does not** apply. Continue with normal troubleshooting.

DETERMINING NECESSARY REPAIRS

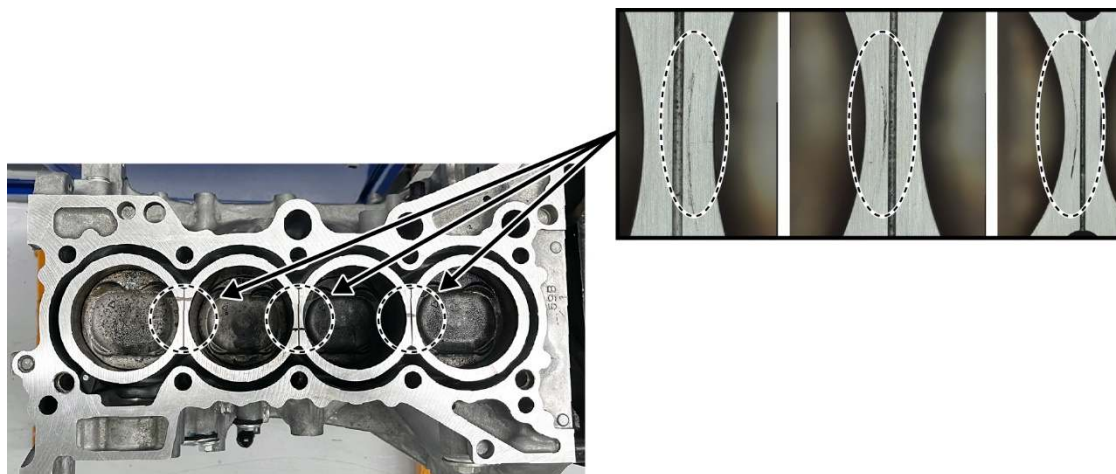
1. Relieve the fuel pressure, [Fuel Pressure Relieving](#).
2. Disconnect the 12-volt battery, [12 Volt Battery Terminal Disconnection and Reconnection](#).
3. Remove the cylinder head:
 - 3.1 Remove the coolant expansion tank cap.
 - 3.2 Loosen the radiator drain plug to drain the coolant.
 - 3.3 Do Removal steps 3-5, [Cylinder Head Removal and Installation \(1.5L Engine\)](#).
NOTE: **Do not** do step 6, *Remove VTC Oil Control Solenoid Valve B* at this time.
 - 3.4 Do Removal steps 7-8.
NOTE: **Do not** do step 9, *Remove Injectors* at this time.
 - 3.5 Do Removal steps 10-16.
NOTE:
 - **Do not** do step 17, *Remove Camshaft*.
 - **Do not** do step 18, *Remove Rocker Arm Assembly*.
 - 3.6 Remove the cylinder head bolts. To prevent warpage, loosen the bolts in sequence, **1/3 turn** at a time. Repeat the sequence until all bolts are loosened.



- 3.7 Remove the cylinder head.
- 3.8 Remove all gasket material and carbon from the head gasket mating surface on the engine block with brake cleaner and a clean shop towel.
NOTE:
 - Place a clean shop towel in each cylinder to collect and remove any debris that falls into the cylinders.
 - If necessary, use red Scotch-Brite® **by hand** to remove any gasket material or residue that remains on the mating surface, then clean again with brake cleaner.
 - **Do not** use power tools which can damage the cylinder head and block.
- 3.9 Remove all gasket material and carbon from the head gasket mating surface on the cylinder head with brake cleaner and a clean shop towel.
NOTE:
 - If necessary, use red Scotch-Brite® **by hand** to remove any gasket material or residue that remains on the mating surfaces, then clean again with brake cleaner.
 - **Do not** use power tools which can damage the cylinder head and block.

- 4 Visually inspect the engine block for cracks around the cylinders.

Examples of cracks:



5. Follow the instructions in Job Aid [AJA31119 Inspecting Cylinder Head and Engine Block for Warpage](#) to check the cylinder head and engine block mating surfaces for warpage. Contact the Repair Verification Team for approval if either component is outside of specifications.

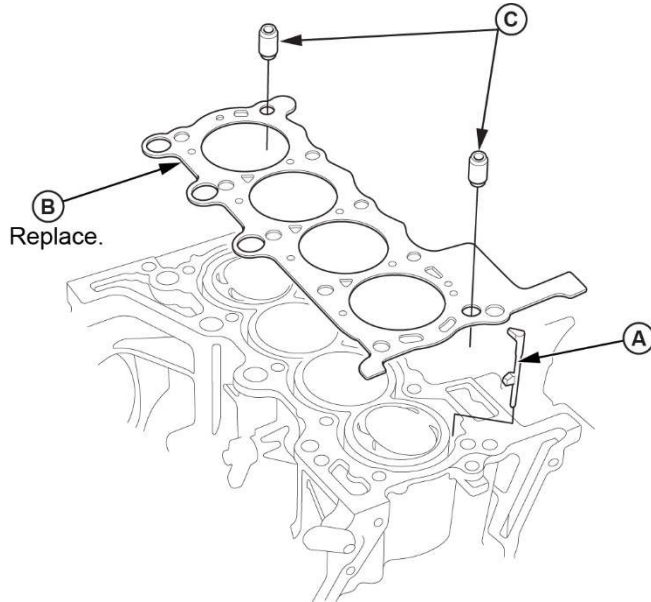
IMPORTANT: Replacement of the cylinder head or short block **requires prior approval** from the Repair Validation Team as outlined in Job Aid AJA31119. Warranty claims that include cylinder head or short block replacement which have not received approval from the Repair Verification Team will be denied.

6. Determine the repair direction:

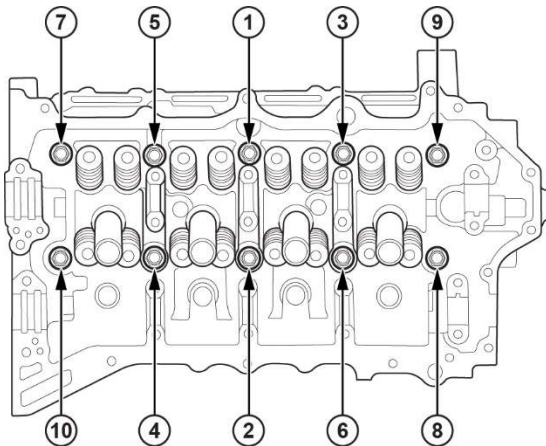
Is the cylinder head warped?	Is the engine block warped?	Repair action
No	No	Repair Procedure #1 -Replace the cylinder head gasket
Yes	No	Repair Procedure #2 - Replace the cylinder head
No	Yes	Repair Procedure #3 - Replace the short block
Yes	Yes	Repair Procedures #3, then Repair Procedure #2 - Replace the short block and the cylinder head

Repair Procedure #1 - Head Gasket Only

1. Install the cylinder head with a new head gasket:
 - 1.1 Clean the cylinder head and engine block surfaces.
 - 1.2 If the engine block was replaced, install a new coolant separator (A) in the engine block if the new block did not come with one.
 - 1.3 Install the new cylinder head gasket (B) and the dowel pins (C) on the engine block.



- 1.4 Install the cylinder head on the engine block.
- 1.5 Visually inspect the cylinder head bolts for damage. If damage is found, replace all head bolts.
- 1.6 Apply new engine oil to the threads and under the bolt heads of all cylinder head bolts.
- 1.7 Torque the cylinder head bolts in sequence to **30 N·m (22 lb-ft)** with a beam-type torque wrench if possible. When using a click-type torque wrench, be sure to tighten slowly and **Do not** overtighten. If a bolt makes any noise while torquing, loosen the bolt and go back to step 1.5.



- 1.8 **IMPORTANT:** Once all cylinder head bolts have been initially torqued, repeat the torque process in sequence to ensure all cylinder head bolts are at **30 N·m (22 lb-ft)** before beginning the angle torque process.

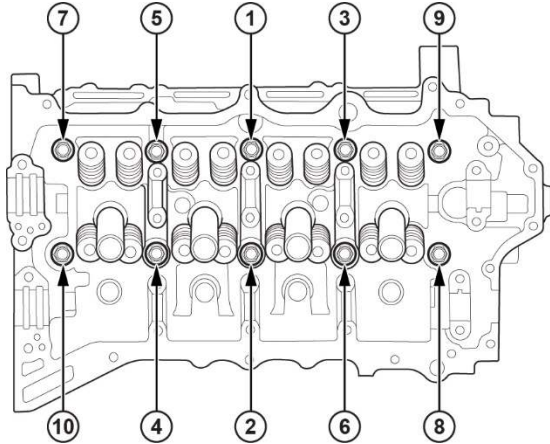
1.9 After setting the initial head bolt torque, use a torque angle gauge to tighten all cylinder head bolts to specification following the torque sequence:

When **new** cylinder head bolts are installed – torque an additional **165°**.

When the cylinder head bolts are **reused** – torque an additional **140°**.

NOTE:

- Tighten the cylinder head bolts to the specified angle using a commercially available angle gauge.
- If the head bolt is tightened beyond the specified angle, remove the head bolt and go back to step 1.5 of the procedure. **Do not** loosen it back to the specified angle.



2. Continue the cylinder head Installation steps 2-24 of [Cylinder Head Removal and Installation \(1.5L Engine\)](#).

During installation, once the side engine mount has been installed, do the [Engine Mount Tightening Procedure \(1.5L Engine\)](#).

3. Drain the engine oil.

4. Refill the transmission (if it was drained during the short block replacement).

5. Refill the engine coolant.

6. Install a new oil filter and fill with engine oil:

Including oil filter: 3.5 L (3.7 US qt)

After engine replacement: 4.0 L (4.2 US qt)

7. Do the [PCM Reset](#).

8. Do the [CKP Pattern Clear/CKP Pattern Learn Procedure](#).

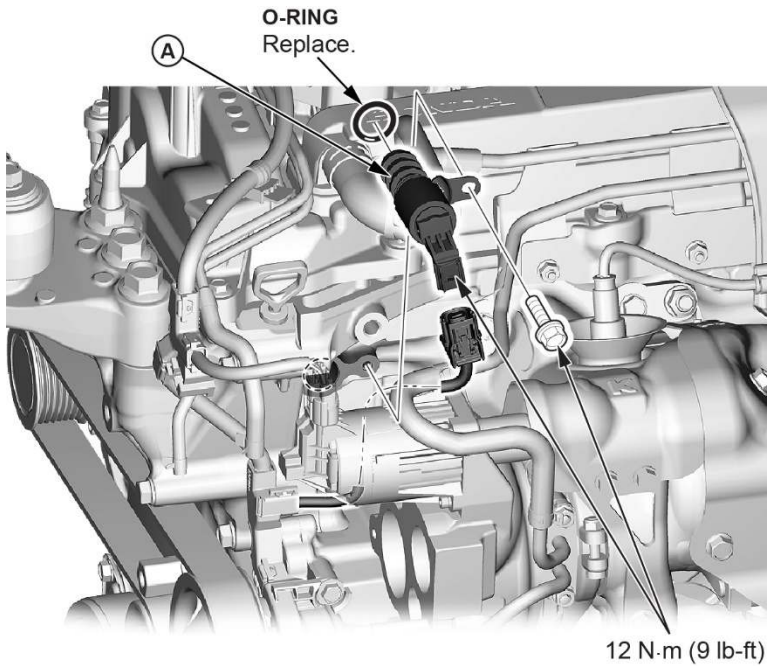
9. Do the [PCM Idle Learn Procedure](#).

10. Reset the Maintenance Minder for engine oil, coolant and, if applicable, transmission fluid, [Maintenance Minder General Information](#).

11. Do an alignment (Only if the short block was replaced).

Repair Procedure #2 - Cylinder Head Replacement

1. Swap the following parts from the old cylinder head to the new cylinder head:
 - 1.1 VTC Oil Control Solenoid Valve B - use a new O-ring and torque to **12 N·m (9 lb-ft)**.



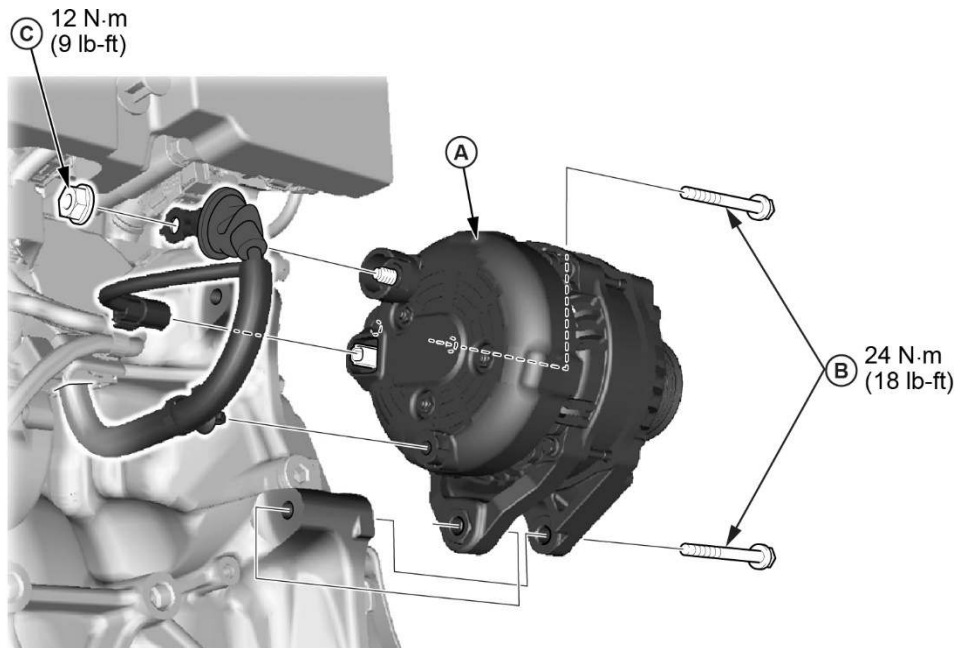
- 1.2 Swap the fuel rail and injectors using new injector clips, O-rings, and back-up rings.

Do Removal steps 9 & 10, then do Installation steps 1 & 2 – [Injector Removal and Installation \(1.5L Engine\)](#).

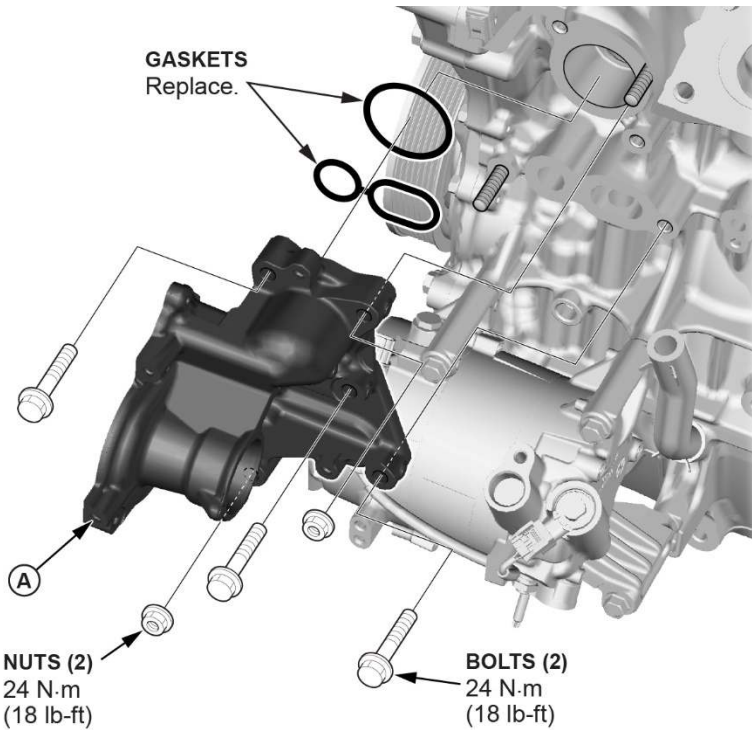
2. Go to **Repair Procedure #1 – [Head Gasket Only](#)**, to install the cylinder head and complete the repair.

Repair Procedure #3 - Short Block Replacement

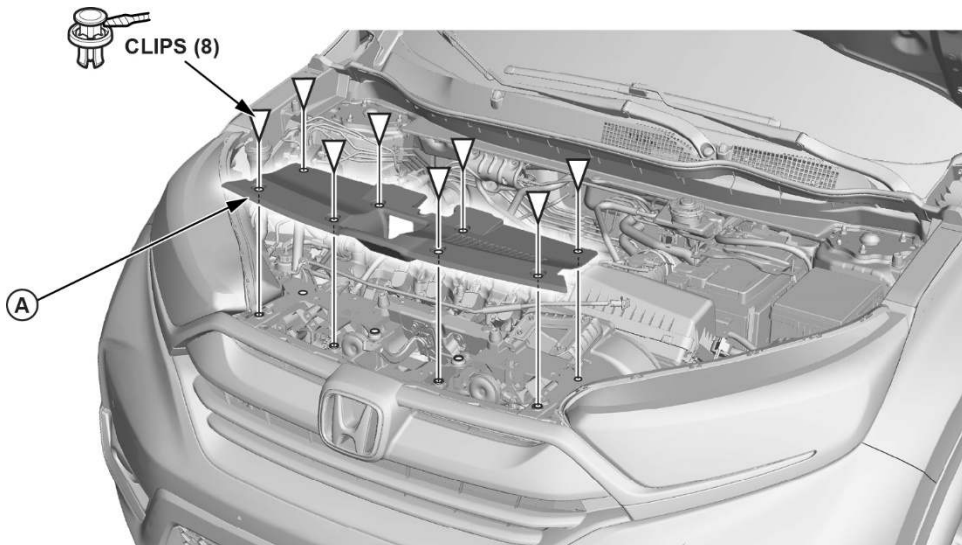
1. With the floor jack still supporting the engine, remove the alternator (A).



2. Leaving the water pump attached, remove the water passage housing and water pump as an assembly (A). During installation, use new gaskets and torque the mounting nuts and bolts to **24 N·m (18 lb-ft)**.



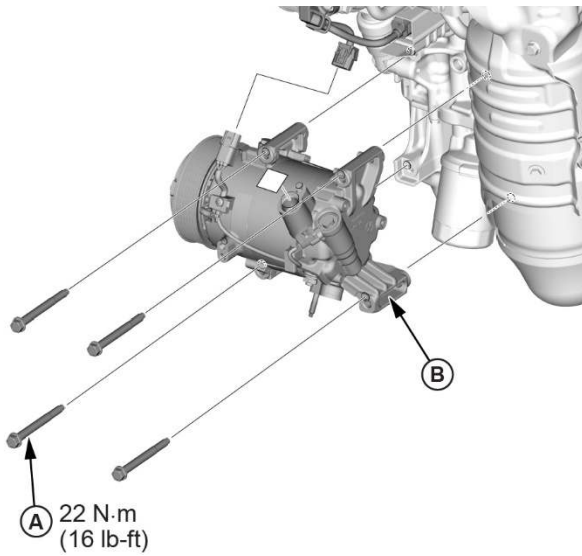
3. Remove the bulkhead cover (A).



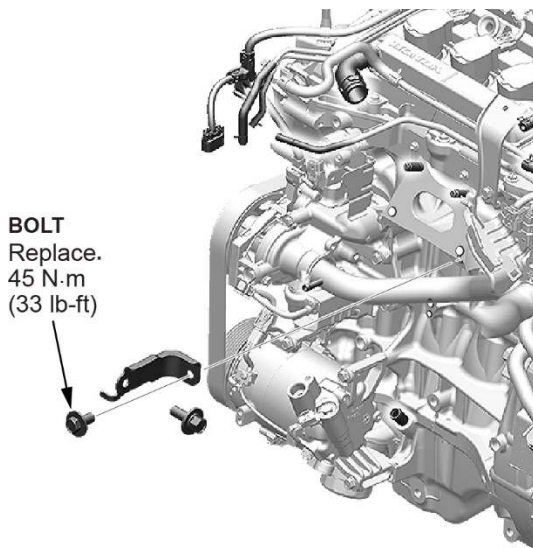
4. Disconnect the wiring connector to the A/C compressor.

5. Leaving the A/C hoses attached to the A/C compressor, remove the 4 mounting bolts (A) securing the A/C compressor (B) to the engine block, then shift it toward the radiator fan and secure it with a strap to the front bulkhead area.

NOTE: **Do not** disconnect the A/C hoses.

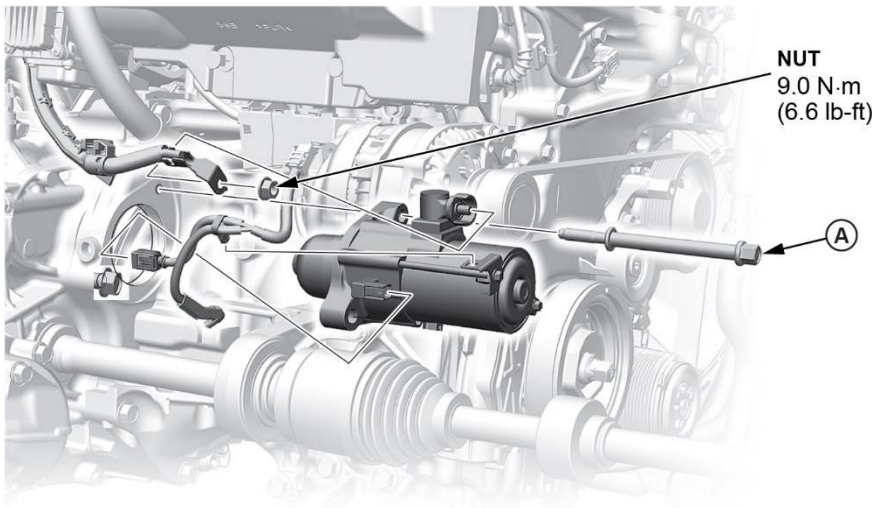


6. Remove the turbocharger support bracket.



7. Disconnect the knock sensor connector.

8. Disconnect the starter wiring and remove the upper starter bolt (A).



9. Unclip the engine wiring harness from the engine block, then move the harness over to the transmission side.

10. Remove the windshield wiper arms.

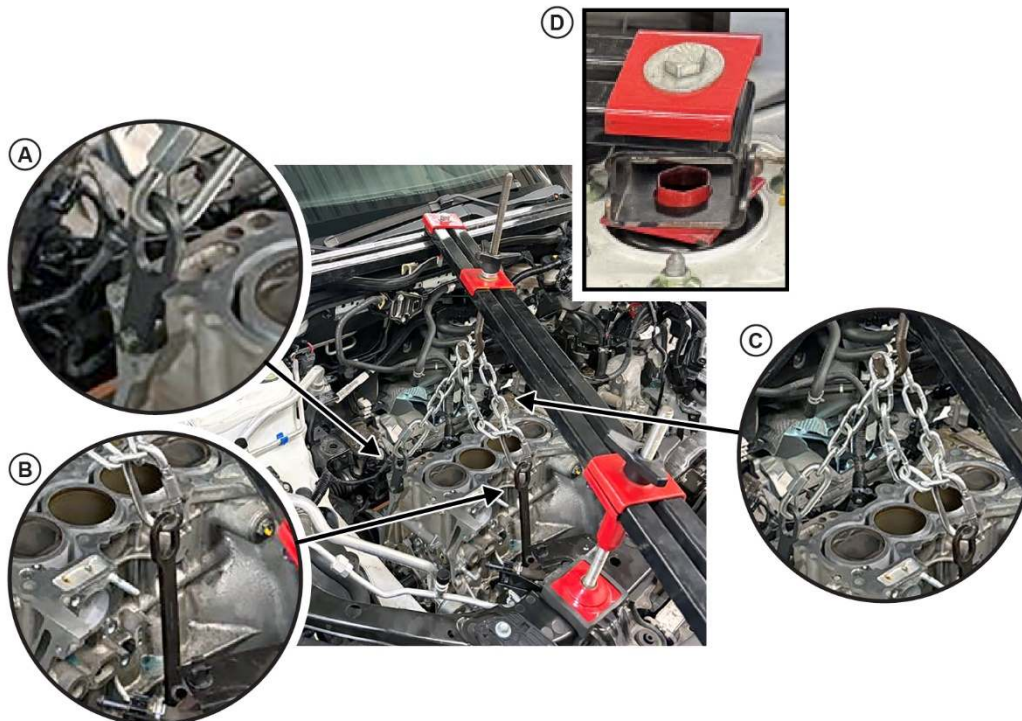
During installation, torque the wiper arm mounting nuts to **18 N·m (13 lb-ft)**.

11. Remove the cowl cover, [Center Cowl Cover Removal and Installation](#).

12. Remove the wiper motor assembly, steps 4-5 of [Wiper Assembly Removal, Installation, and Test](#).

13. Install the lifting eyelets and engine support hanger to support the engine.

- 13.1 Install the lifting eyelet special tool (T/N 07AAK-SNAA120) (A) to the timing chain cover upper rear bolt location using a **20 mm** bolt from the kit, then tighten until the lifting eyelet is snug to the block.
- 13.2 Install the long support eyelet special tool (T/N 07AAK-SNAA600) (B) to the Three Way Catalytic Converter bracket mounting hole in the block using the **20 mm** bolt from the kit, then tighten until the lifting eyelet is snug to the block.
- 13.3 Position the engine hanger tool (T/N AART1256) as shown. No spacers are needed at the strut towers (D), then attach a chain to the support eyelets (C) and tighten to support the weight of the engine.

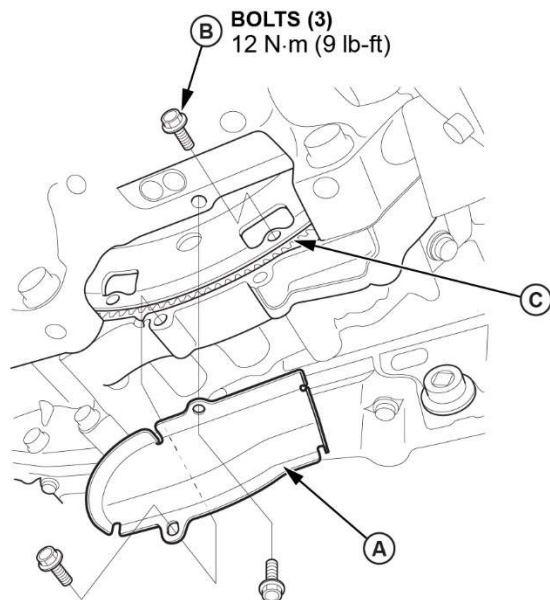


14. Remove the floor jack, then raise the vehicle.
15. Drain the automatic transmission fluid.
16. Remove the exhaust pipe A, [Exhaust Pipe and Muffler Removal and Installation \(1.5L Engine\)](#).

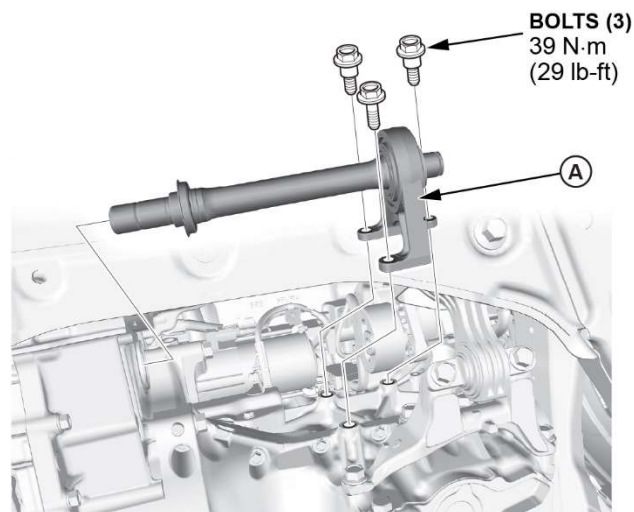
During installation, use new gaskets and mounting nuts and torque to specification.

Location	Torque
Pipe A to TWC	54 N·m (40 lb-ft)
Pipe A to Pipe B	33 N·m (24 lb-ft)

17. Remove the torque converter cover (A), then remove the torque converter bolts (B) from the drive plate (C).

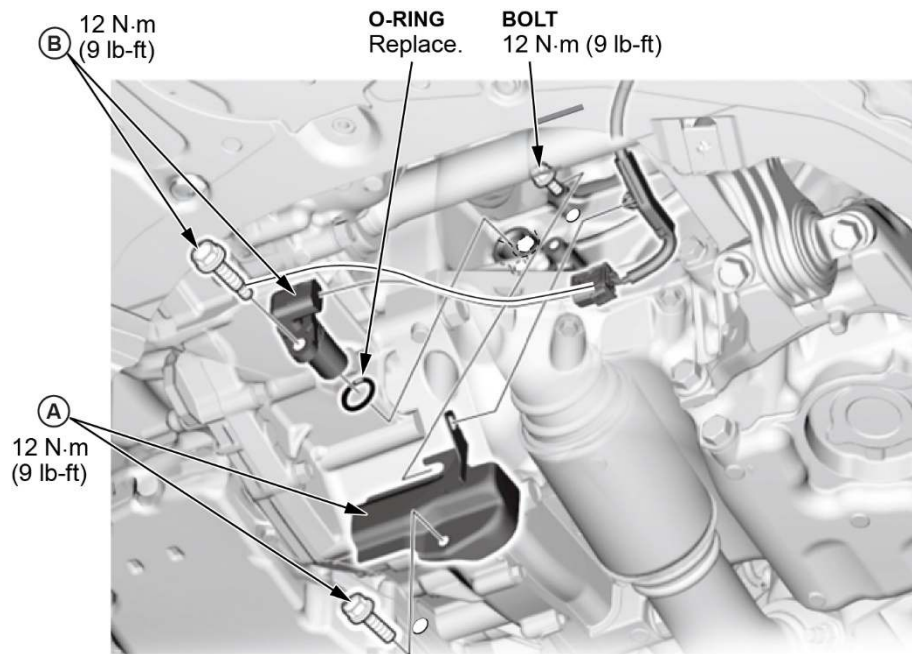


18. Remove the 3 bolts mounting the intermediate shaft bracket (A) to the engine block.

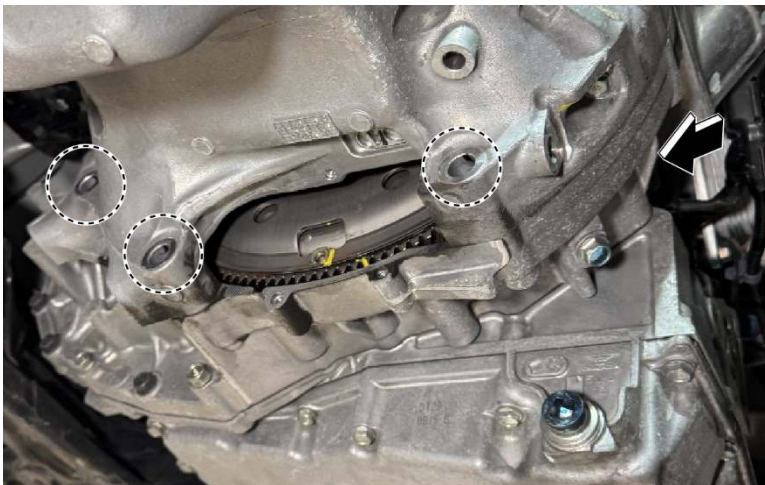


19. Remove the CKP sensor cover (A), then disconnect the CKP sensor (B).

NOTE: **Do not** remove the sensor at this time.

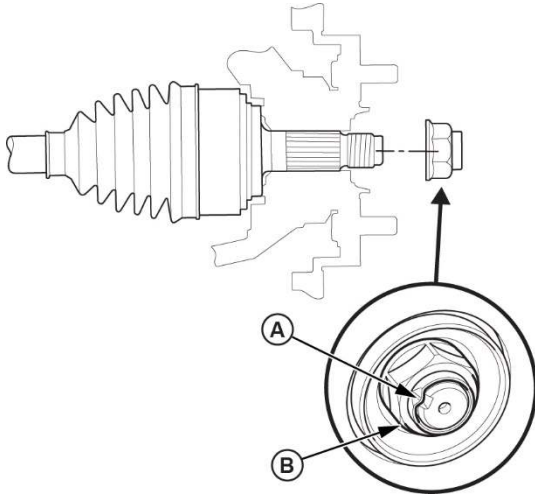


20. Remove the 4 lower transmission mounting bolts.



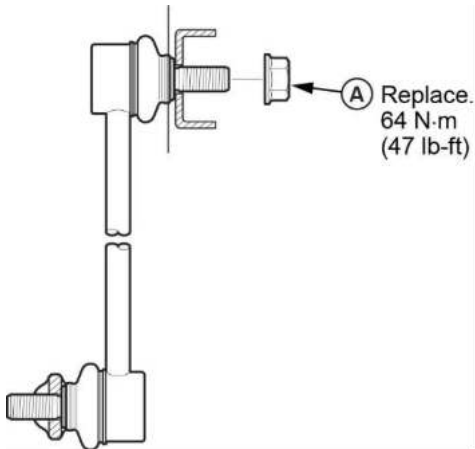
21. Remove the right front spindle nut. Pry up the stake (A), then remove the spindle nut (B).

During installation, install a new spindle nut and apply oil to the threads, then torque to **328 N·m (242 lb-ft)**. Once torqued, use a drift to stake the spindle nut shoulder (A) to the driveshaft.



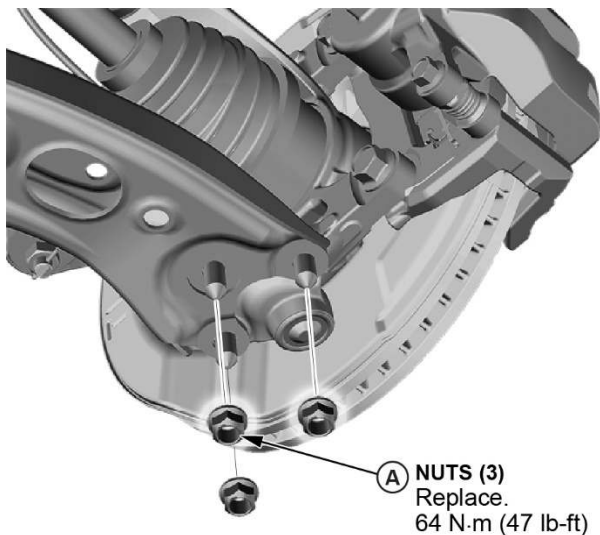
22. Remove the upper sway bar link nut (A) and pull the sway bar link free.

NOTE: Use a new flange nut during reassembly.



23. Remove the 3 nuts (A) mounting the lower control arm to the ball joint.

During installation, use new nuts and torque to **64 N·m (47 lb-ft)**.



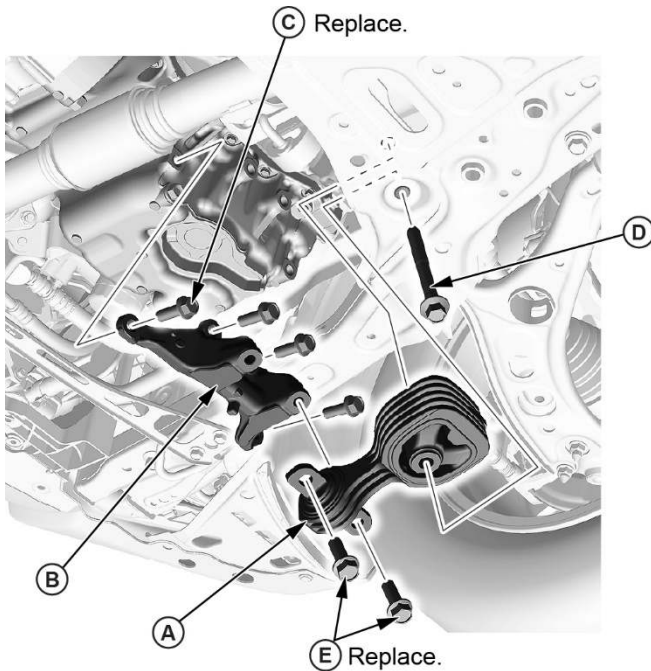
24. Remove the driveshaft and intermediate shaft as an assembly.



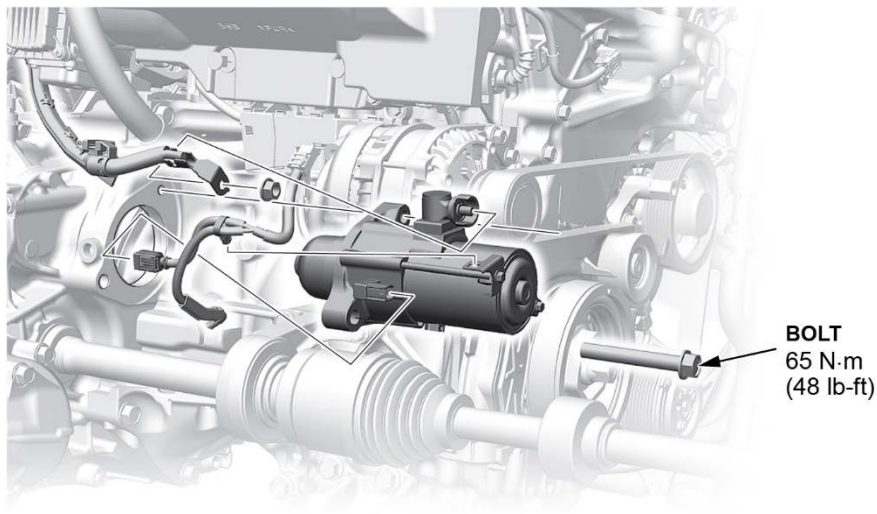
25. Remove the lower torque rod (A), then remove the lower torque rod bracket (B).

During installation:

- Install the lower torque rod bracket and torque the new mounting bolts (C) to **49 N·m (36 lb-ft)**.
- Use new bolts (C, D, & E) during installation.
- Tighten the torque rod mounting bolts until snug but do not final torque at this time. Final torque will be done during the cylinder head installation steps.



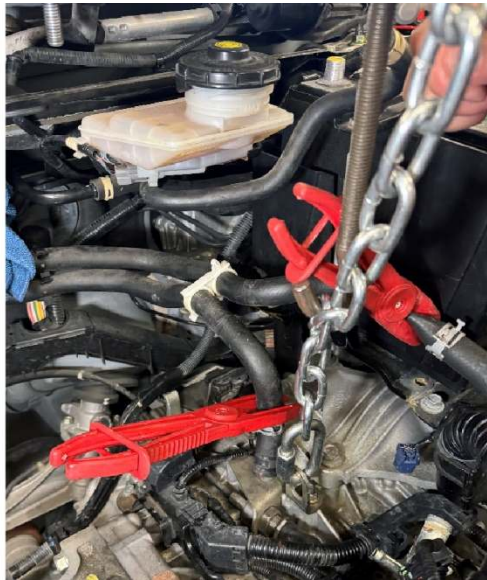
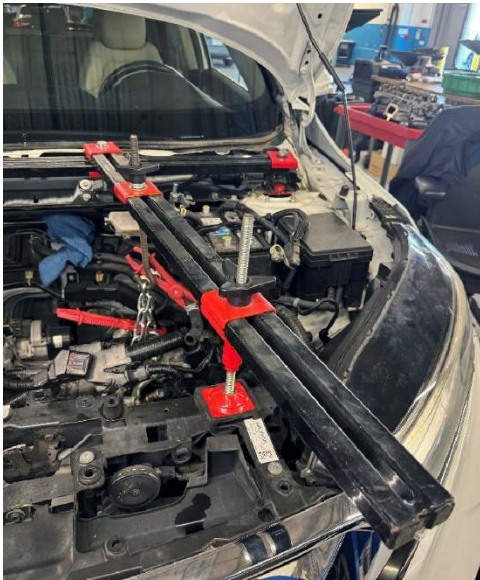
26. Remove the starter motor.



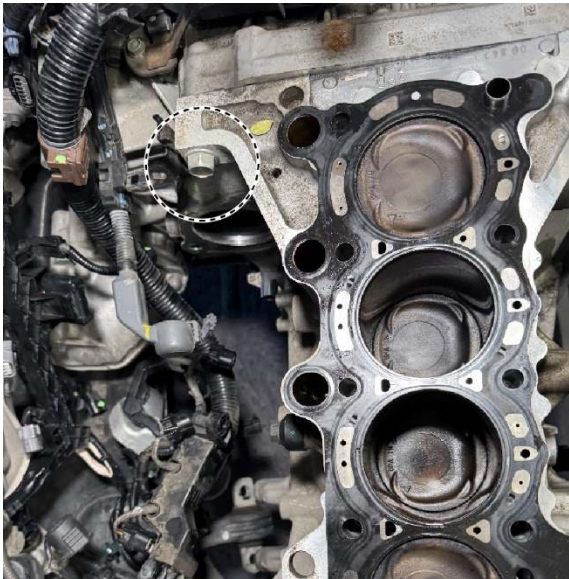
27. Lower the vehicle and position the floor jack to support the engine.

28. With the engine resting on the floor jack, unhook the chain from the support eyelet (07AAK-SNAA600).

29. Position the support hanger tool as shown to support the transmission.



30. Remove the upper transmission bolt on the rear of the engine.



31. Attach a lift eyelet (07AAK-SNAA120) and a **10 mm** spacer to the upper starter mounting bolt location using a **30 mm** bolt from the kit, then tighten so the lifting eyelet is snug to the block.



32. Attach the engine leveler to the 3 lifting eyelets as shown.



33. With the engine hoist and engine leveler attached to the lifting eyelets, raise the engine hoist until the engine weight is supported.
34. Remove the remaining 2 transmission mounting bolts on the front side of the engine.
35. Separate the engine from the transmission.

NOTE:

- Use caution when separating the engine block from the transmission.
- Use a screwdriver or prybar to ensure the torque converter stays with the transmission.

36. With the engine block free from the transmission, raise it enough to clear the engine bay.



37. Lower the engine to the ground.

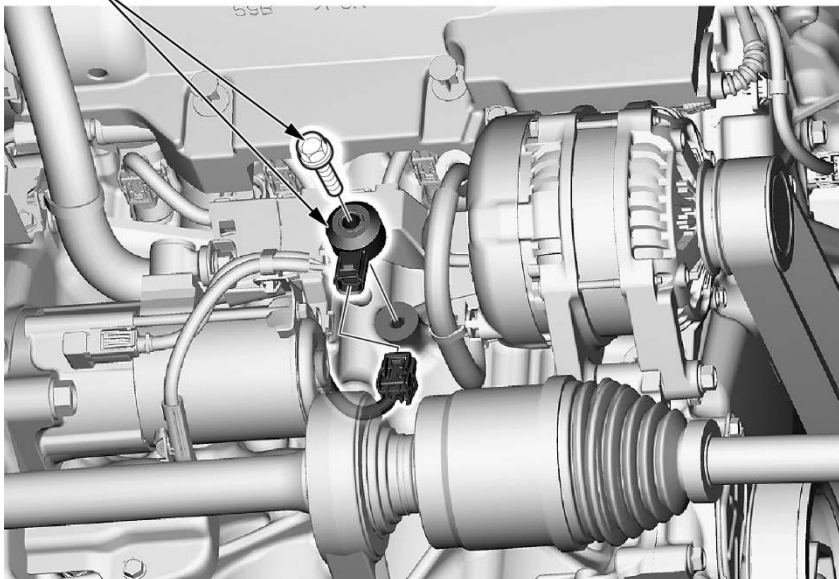
38. Transfer the following parts to the new short block:

38.1 Drive Plate – torque to **74 N·m (55 lb-ft)**.

NOTE: Tighten the eight bolts in a crisscross pattern in at least two steps.

38.2 Knock Sensor – torque to **22 N·m (16 lb-ft)**.

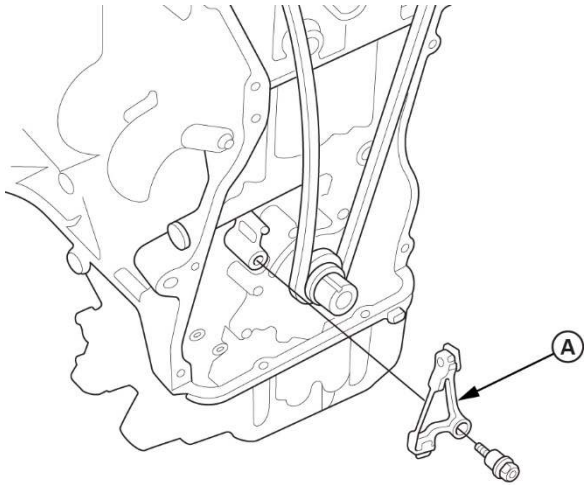
22 N·m (16 lb-ft)



38.3 CKP Sensor – Install with a new seal and torque to **12 N·m (9 lb-ft)**.

38.4 Cam Chain Drive Sprocket.

38.5 Cam Chain tensioner sub arm (A). Install mounting bolt finger tight.



- 39. Swap the lifting eyelets from the old short block to the new short block.
- 40. Use the engine hoist and leveler to install the new short block into the vehicle.
- 41. Complete the Short Block Replacement by installing the remaining parts in the reverse order of removal.

Is the cylinder head also being replaced?

YES – Go to **Repair Procedure #2 - [Cylinder Head Replacement](#)**.

NO – Go to **Repair Procedure #1 - [Head Gasket Only](#)** to install the cylinder head and complete the repair.