

May 22, 2025

Version 2

## Product Update: 2024 Prologue Front Electric Drive Transmission Module Bolt Inspection

Supersedes 25-013, dated April 25, 2025, to revise information highlighted in **yellow**

### APPLIES TO

Year	Model	Trim Level	VIN Range
2024	Prologue	ALL	Check iN VIN status for eligibility

### REVISION SUMMARY

Under INSTALLATION PROCEDURE previous NOTE and IMAGE removed from step 3

### BACKGROUND

During manufacturing, improperly sized bolts may have been used to install the motor mount on the front electric drive transmission module. Improper bolts may cause damage to the drive unit case resulting in an oil leak.

### REPAIR

Inspect the front drive motor mount bolts and if necessary, replace the transmission module.

- Locate and remove the right side upper motor mount bolt and measure.
- Replace with a new bolt if the motor mount bolt is in specification.
- Replace the front electric drive module if the motor mount bolt is out of specification.

### PARTS INFORMATION

Part Name	Part Number	Quantity
Module, Frt. Drive ETX (2WD)	24057505RM	1
Module, Frt. Drive EXT (AWD)	24060581RM	1
Bolt, Drive Motor Mount	11588743	1 (inspection bolt replace)
		7 (drive module replace)
Bolt, Drive Motor	11610916	3
Bolt, Drive Motor	11609605	3
Bolt, High Voltage A/C Compressor	11603772	3
Ring, Output Shaft Retainer	24294502	2
Seal, Output Shaft	24047424	2
Seal, A/C Hose	13579648	3
Seal, A/C Evaporator	13579646	5
Seal, A/C Evaporator	13579649	7
Nut, Fr.	11612295	2

**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.

## REQUIRED MATERIALS

\*Ordering BEV POE Oil requires completion of the release request form: [19435414 BEV POE A/C Oil Release Request](#)

Part Name	Part Number	Quantity
BEVF Type PZ	08200-9025	3 qt
LL Coolant (Type-PZ)	OL999-9033	11 qt
*BEV POE Oil, Type PZ	19435414	1 per vehicle

## TOOL INFORMATION

Tool Name	Tool Number	Quantity
Engine Lift Bracket	07-J-36857	1
Engine Support Fixture Adapter Bolts - M10	07-EN-52059	3
Axle Remover	07-J-45859	1
Ball Joint Separator	07-J-43631	1
Ball Joint Separator	07-J-42188-B	1
Transmission Fluid Fill Pan Adapter	07-DT-47784	1
Cooling System Adapter	07-GE-46143-A	1
Vac-N-Fill Coolant Refill Tool	07-GE-47716	1
Mahle R-1234yf Recover, Recycle Recharge Machine	RTIACX2282	1
R-1234yf Oil Injector Hose	07-GE-50745	1
A/C POE Oil Injector	07-J-45037	1
Ruler, 150 mm length or equivalent	Commercially available	1

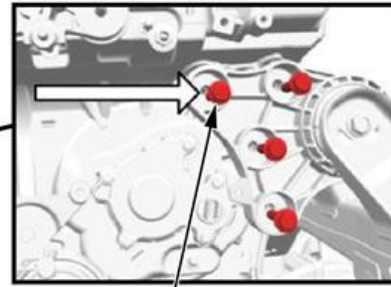
## WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1185C4	Inspection, Remove motor mount fastener & measure length, Replace Bolt	0.4 hr	6UP00	LLJ00	A25013A	24057505
1181HQ	<b>2WD:</b> Replace Front Electric Drive Module (includes inspection, recovery and recharge)	9.5 hr			A25013B	24057505
	<b>AWD:</b> Replace Front Electric Drive Module (includes inspection, recovery and recharge)	9.5 hr			A25013C	24060581

## INSPECTION PROCEDURE

1. Locate the front right-side drive motor mount and remove the upper bolt. **Do not** remove any other bolts.

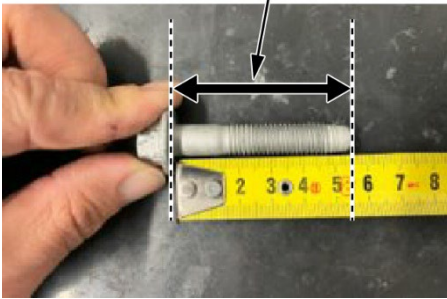
NOTE: The bolt location of the drive unit is the only bolt that may be out of specification.



Remove bolt.

2. Measure the bolt from the bottom of the bolt flange to the bolt tip. Record the measurement.

55 mm or less



If the right-side front drive motor mount bolt measures **55 mm or less**, replace it with a new bolt. Torque to **58·N·m (43 lb. ft)** then an additional **75°** rotation. **NO FURTHER ACTION IS REQUIRED.**

If the bolt measures **60 mm or more**, call RPO and select option 2. You will need to provide photo(s) of the bolt with measurement. Retain the out of spec bolt for collection.

- The out of spec bolt will need to be returned with front electric drive module core return.
- Go to the REPAIR PROCEDURE.

### **WARNING**

Always perform the High Voltage Disabling procedure prior to servicing any High Voltage component or connection. Personal Protection Equipment (PPE) and proper procedures must be followed. Failure to follow the procedures may result in serious injury or death.

NOTE: Review all High Voltage Safety information and the Job Aid, [High-Voltage Battery Storage and Handling](#) prior to starting repairs.

#### The High Voltage Disabling procedure includes the following steps:

- Identify how to disable high voltage.
- Identify how to test for the presence of high voltage.
- Identify conditions under which a high voltage is always present and Personal Protection Equipment (PPE) and proper procedures must be followed.

#### Before working on any high voltage system, be sure to wear the following Personal Protection Equipment:

- Safety glasses with appropriate side shields when within 15 meters (50 feet) of the vehicle, either indoors or outdoors.
- Certified and up-to-date Class "0" Insulation gloves rated at 1000V with leather protectors.

Visually and functionally inspect the gloves before use. Wear insulation gloves with leather protectors at all times when working with the high voltage battery assembly, whether the system is energized or not.

### Front Electric Drive Module Removal

1. Remove the [Drivetrain and Front Suspension Cradle Removal and Installation \(FWD/AWD\)](#) and follow the Removal Procedure steps 1 to 43.

#### NOTE:

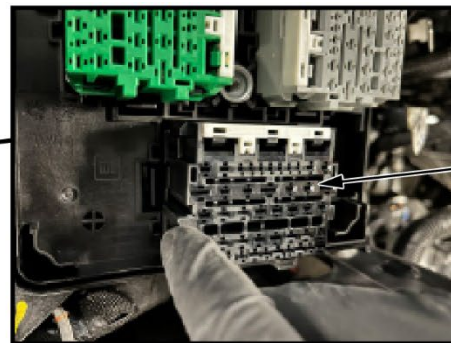
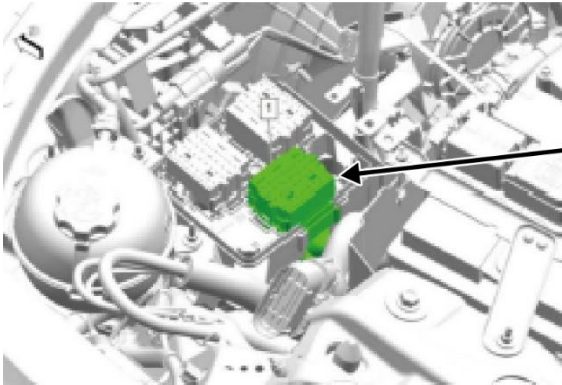
- Record the exact amount of refrigerant oil recovered from the vehicle. Refer to Job Aid December 2024: [Prologue A/C Diagnosis and Leak Check](#).
- Secure the A/C condenser and cooling fan to the front-end upper tie bar away from the front electric drive module.

### **NOTICE**

Failure to properly secure the A/C condenser and cooling fan may cause damage to these components.

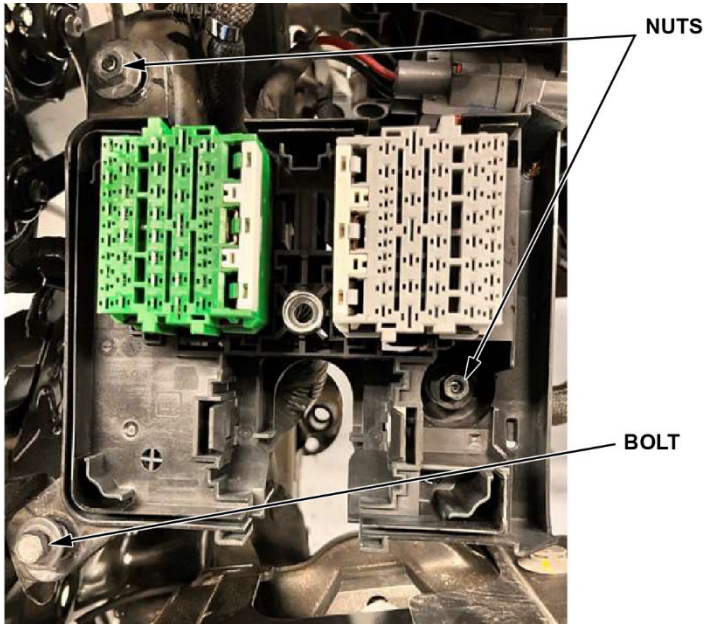
#### After step 43, follow these steps:

2. Release the fuse block bracket, then reposition the connector to swing out the fuse block.

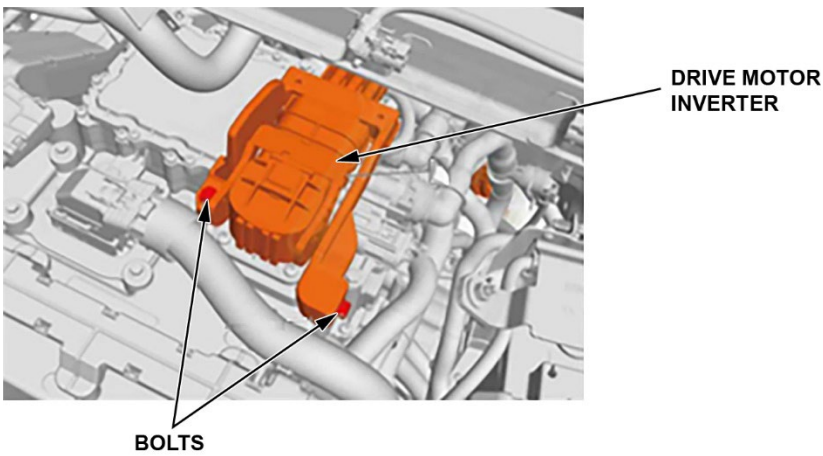


FUSE  
BLOCK

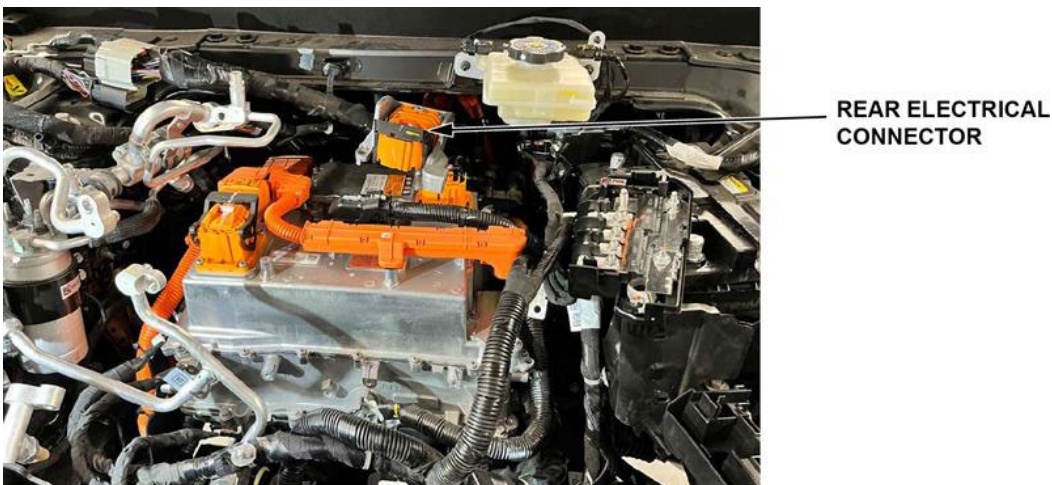
3. Remove the two 10 mm nuts and bolt from harness fuse block base. This will allow easy removal of the engine wiring harness located under the fuse block.



4. **AWD Only:** Remove the drive motor power inverter module 3-phase cable bolts, disconnect the drive motor inverter module.



5. **AWD Only:** Disconnect the rear electrical connector located on the drive motor power distribution control module.



6. Disconnect the coolant temperature sensor located on the right side of the radiator.



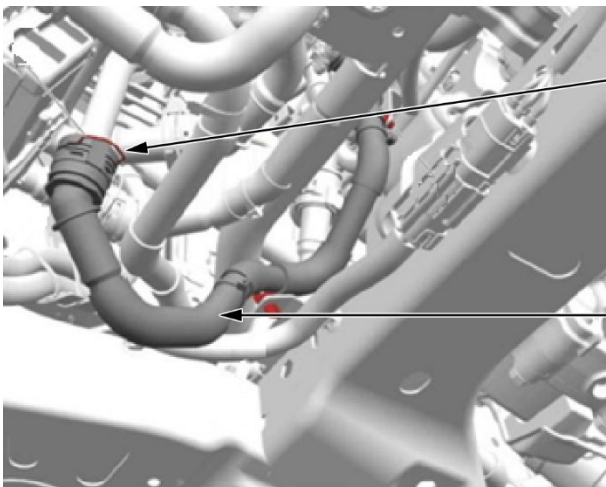
TEMPERATURE  
SENSOR

7. Disconnect the upper coolant hose to the battery coolant valve.



COOLANT  
HOSE

8. Release the lower battery coolant inlet secondary hose retainer, then reposition the cooler hose out of the way.

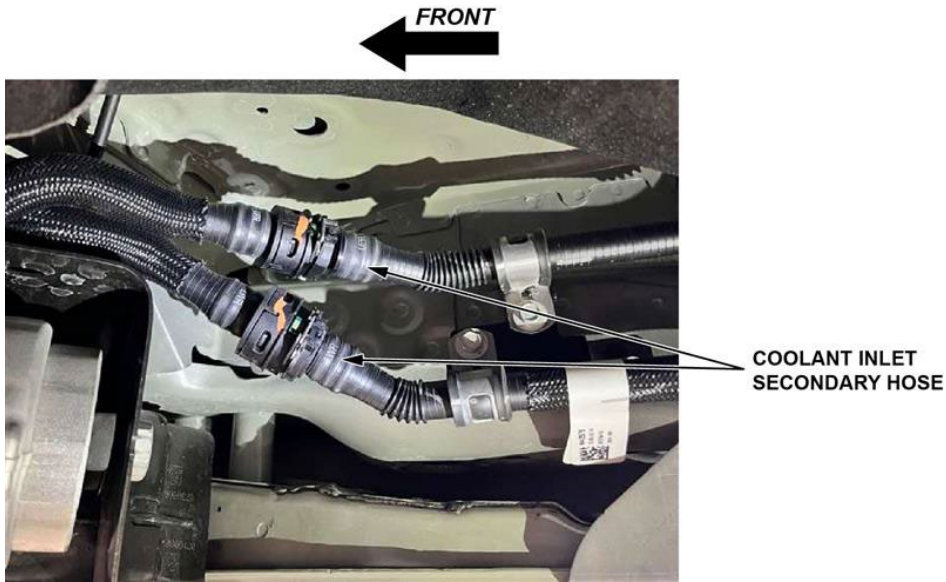


RETAINER

BATTERY  
COOLANT  
HOSE

9. Disconnect the two drive motor charger receptacle coolant inlet secondary hoses.

NOTE: The drive motor charge receptacle coolant inlet hoses are located under the driver side front wheel well fender liner under the protective foam block.

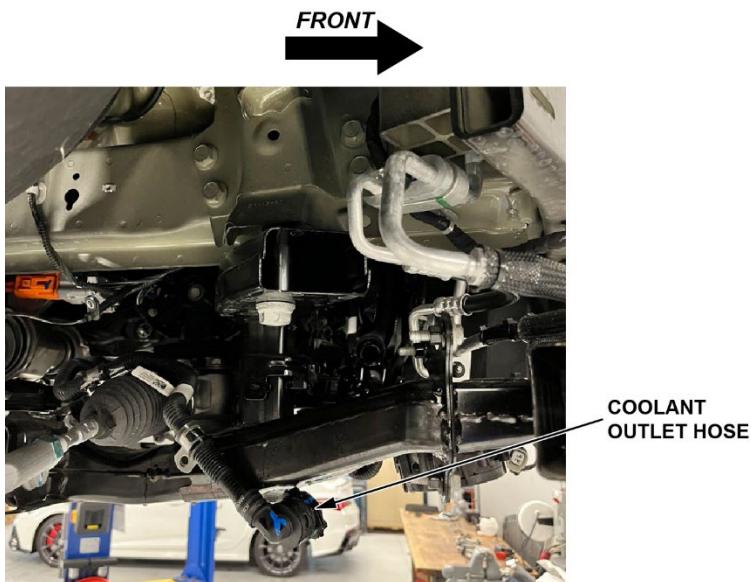


10. Remove the wind deflector behind the bumper.

#### Drivetrain and front suspension removal

11. Follow Steps 48 thru 77 [Drivetrain and Front Suspension Cradle Removal and Installation \(FWD/AWD\)](#).

12. Disconnect the lower drive unit coolant outlet hose underneath the front right lower side.



13. Disconnect and remove the front range radar harness clip located at the bottom of the front impact beam.



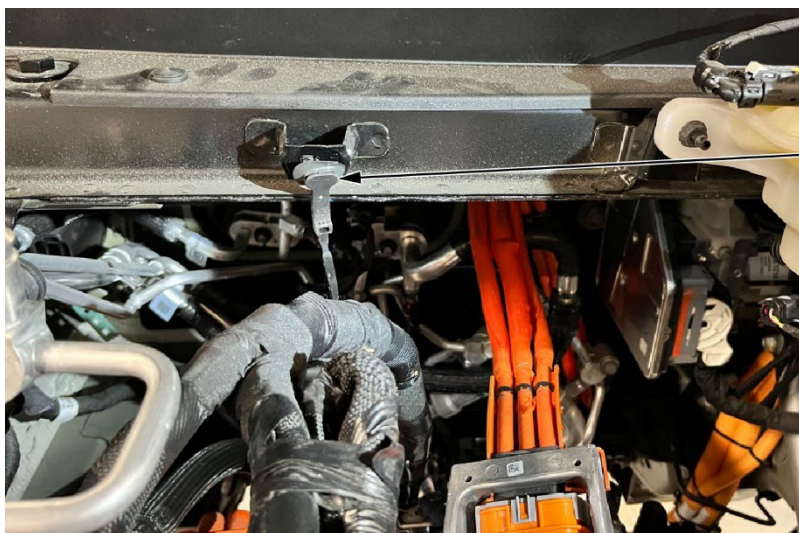
HARNES CLIP

14. Disconnect the orange electric drive motor harness connector located at the rear subframe.



CONNECTOR

15. Remove the electric drive motor harness retainer clip from the firewall.



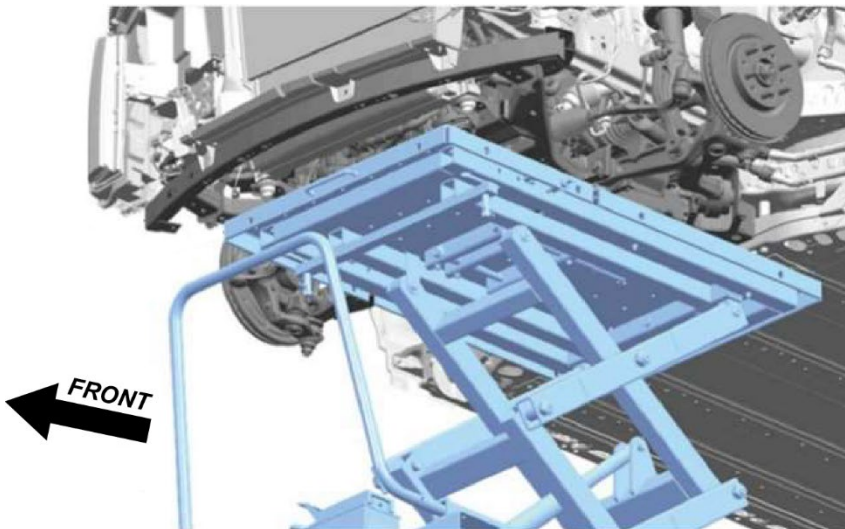
RETAINER CLIP

16. Disconnect the pedestrian sound alert speaker.

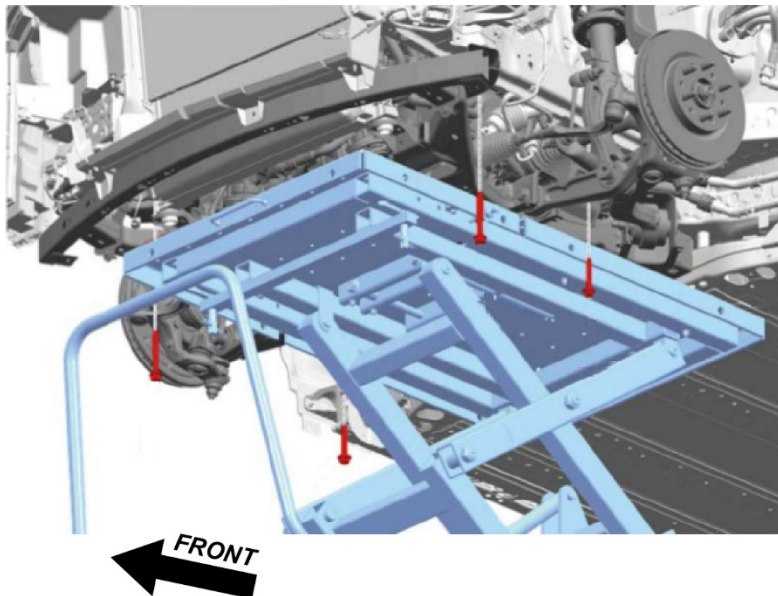


17. Position and raise the propulsion lift system to support the drivetrain and suspension cradle.

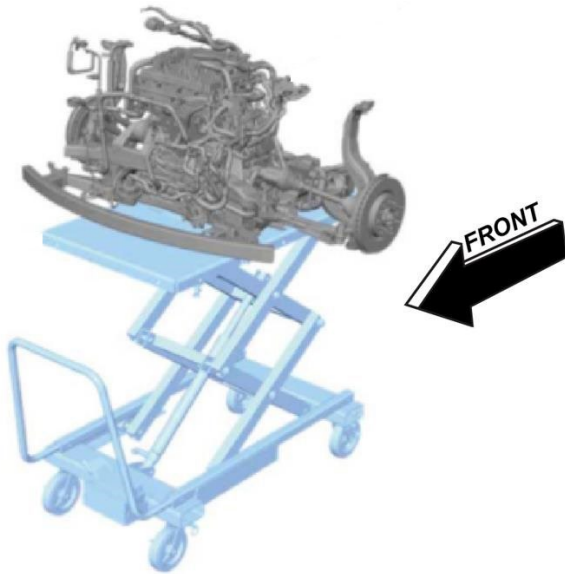
NOTE: Blocks of wood can be used to level the drivetrain and front suspension cradle during removal.



18. Remove the two front suspension cradle bolts and the two interior suspension cradle bolts.

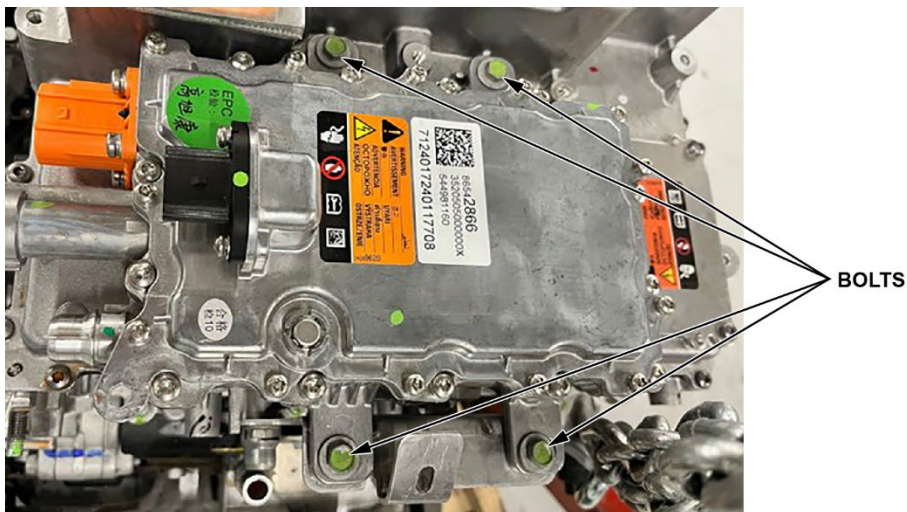


19. Using the propulsion lift system, carefully remove the drivetrain and front cradle suspension assembly away from the vehicle.

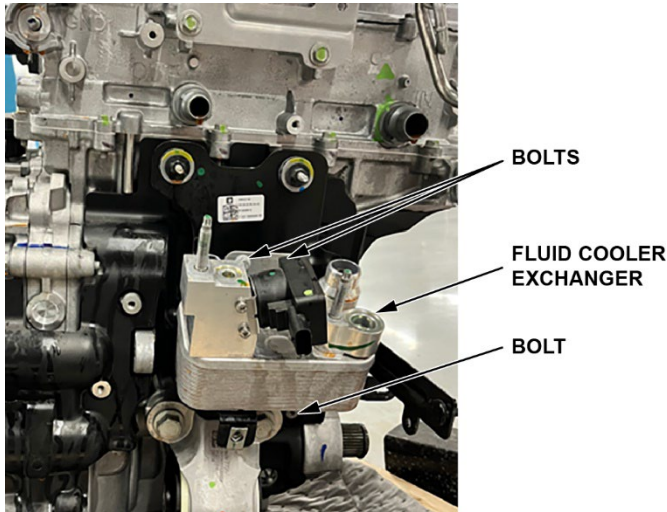


**Remove and Transfer Components to New Front Drive Module:**

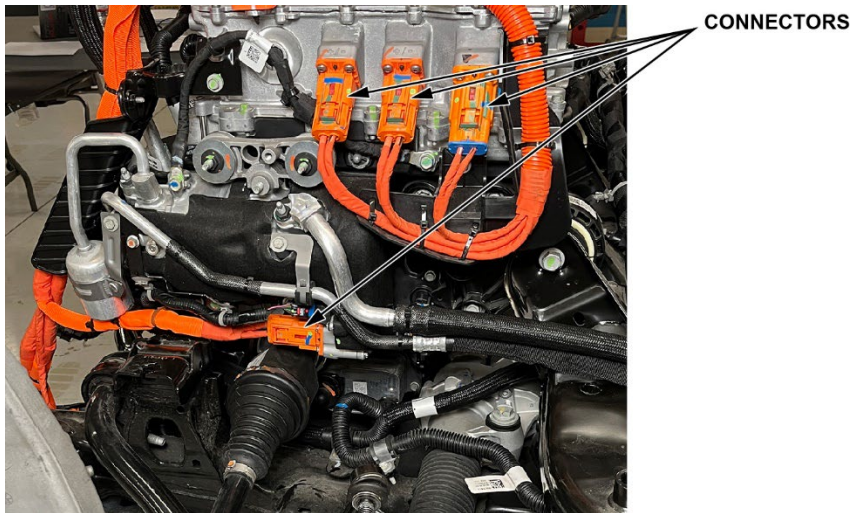
1. Refer to the [Front Electric Drive Transmission Module Replacement](#) and follow the removal procedure steps 1 to 56.  
NOTE: Disconnect all coolant hoses and electrical connectors at the electric drive module **only**. Set the hoses and electrical connectors out of the way to prepare the electric drive module for removal.
2. Remove the four bolts, then remove and transfer the drive motor battery coolant cooler to the new module.



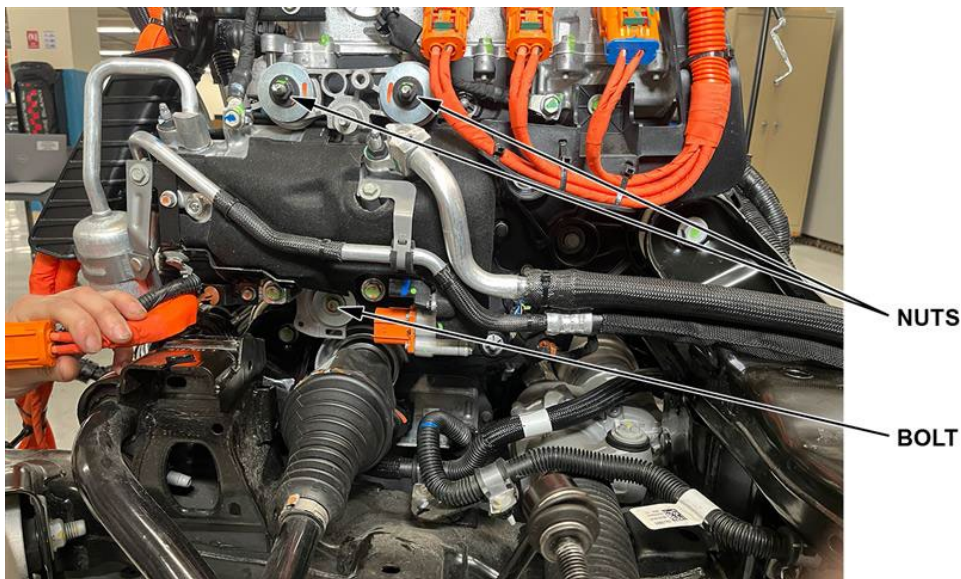
3. Remove the three bolts, then remove and transfer the automatic transmission fluid cooler exchanger to the new module.



4. Disconnect the orange high voltage connectors and transfer to the new front drive module.



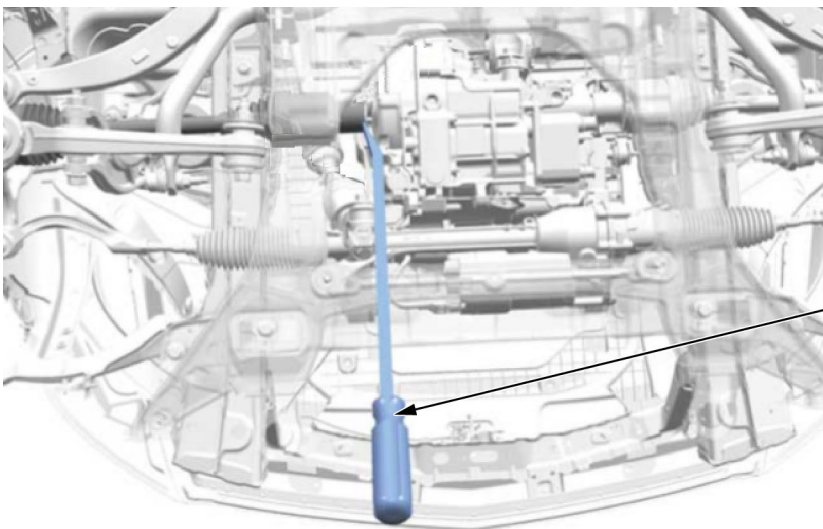
5. Remove the two nuts and one bolt, then remove and transfer the high voltage A/C compressor to the new module.



6. Remove the high voltage harness, transfer to the new module



7. Use a long flat blade tool to release the front drive shaft from the electric drive motor.

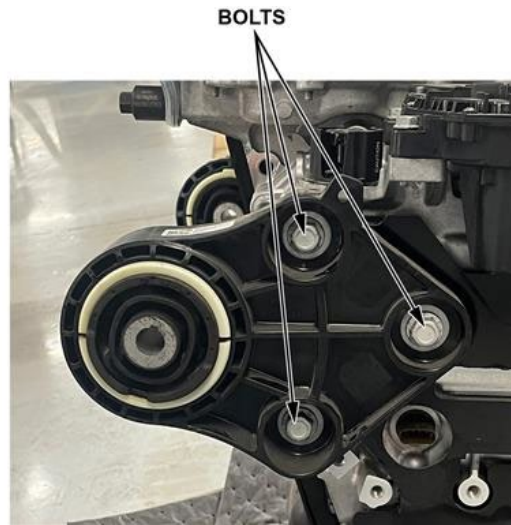
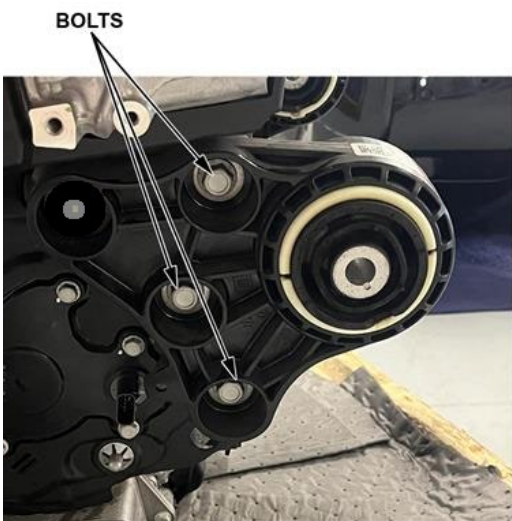


FLAT BLADE TOOL

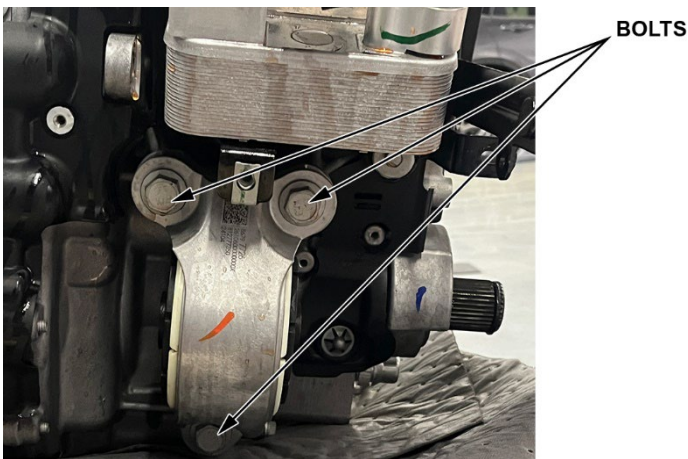
8. Use the engine lift bracket and support fixture adapter bolts with the overhead lift and remove the electric drive module.  
NOTE: Removal of the outboard axle from the wheel assembly is not necessary.



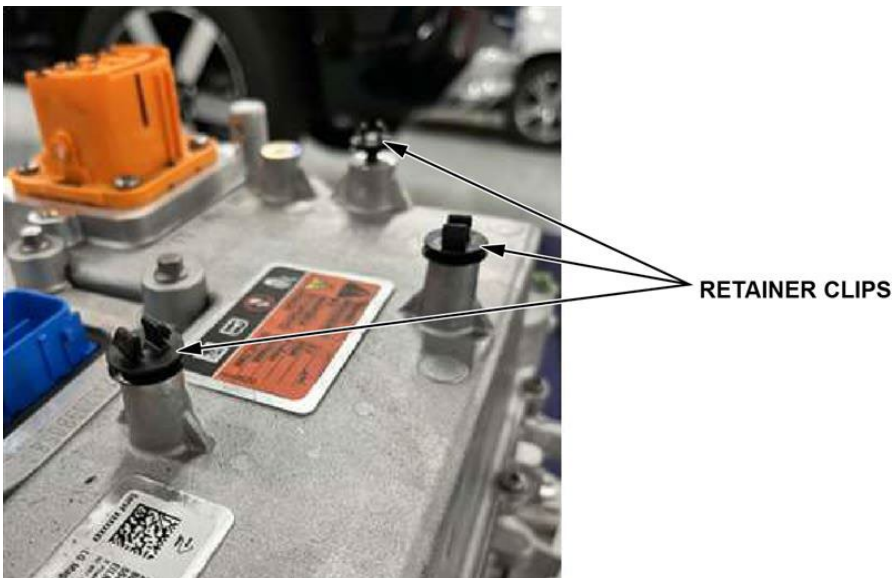
9. Remove the three remaining bolts from the right motor mount and three bolts from the left motor mount.



10. Remove the three rear motor mount bolts.



11. **AWD Only** - Remove and transfer the harness retainer clips from the defective module to the new module.



12. Remove the engine lift bracket and support adapter bolts.

13. Place the defective module core in the crate with original shipping materials to return. Be sure to include **ALL** drive motor mount bolts and the drive motor hangers.

## INSTALLATION PROCEDURE

1. Transfer the engine lift brackets and support fixture adapter bolts over to the new front drive module.



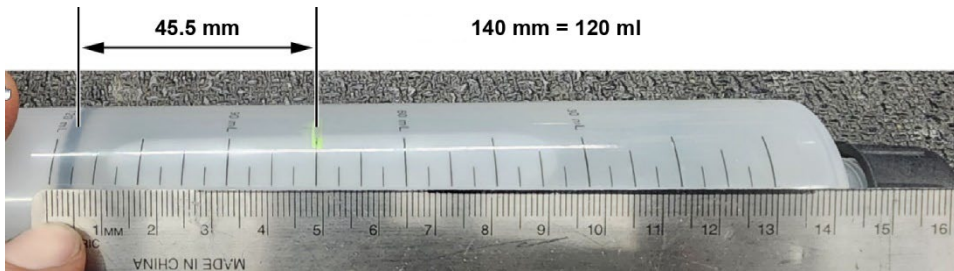
2. Transfer all removed parts onto the new front drive module.
3. Using new drive mount bolts, install the front drive module onto the front suspension cradle.
4. Refer to the [Front Electric Drive Transmission Module Replacement](#) and follow the Installation Procedure steps 1 to 56.
5. Install the [Drivetrain and Front Suspension Cradle Removal and Installation \(FWD/AWD\)](#) and follow the Installation Procedure steps 1 to 76.
6. Replace the extracted oil, refer to [Refrigerant Recovery and Recharge](#).

1. Use the printout from the Mahle machine to determine how much oil to install.

2. Current POE bottles do not have level markings to measure fluid. Use an oil injector and calculate how much oil to install.

Example, if the system needs **39 mL**, calculate to convert **oz.** to **mL**.

- **39 mL x 140 mm = 5460**
- **5460 / 120 mL = 45.5 mm**
- Measure **45.5 mm** from the plunger.



3. Launch the TechLine Connect service diagnostic tool to command the system valves to open.
4. Follow the screen prompts to add the POE oil and refrigerant back into the system.
5. Use the A/C POE Oil Injector (P/N 07-J-45037) with the R-1234yf AC Oil Injector hose (P/N 07-GE-50745).

NOTE: **DO NOT** use the HONDA R-1234yf POE Oil Injector hose.

7. Install the [Front Bumper Facia](#).
8. Perform a [Wheel Alignment Measurement](#).
9. Inspect for coolant leaks.
10. Verify the radar sensor is functioning correctly. [Radar Sensor Module – Long Range Learn](#).