

March 12, 2024

Version 4

MIL is Flashing with Loss of Power

Supersedes 20-053, dated May 25, 2021, to revise the information highlighted in **yellow**.

AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2019-20	RDX	ALL	ALL
2021	RDX	2WD	5J8TC1...ML000001 thru 5J8TC1...ML012182
2021	RDX	SH-AWD	5J8TC2...ML000001 thru 5J8TC2...ML024481
2021	RDX	SH-AWD (PMC)	5J8TC2...MY000001 thru 5J8TC2...MY000192
2021	TLX	ALL	ALL

REVISION SUMMARY

- Under SYMPTOM, the description has been revised.
- Under POSSIBLE CAUSE, the description has been revised.
- Under SOFTWARE INFORMATION, the content has been revised.

SYMPTOM

The MIL is flashing with a loss of power. This is most common in hot, humid regions, or after a period of rainfall.

NOTE: If this issue was experienced in a region that does not match the above description, please consider viewing Acura service bulletin 23-010 to see if it matches the customer contention and regional trend more closely.

POSSIBLE CAUSE

Humid air within the intake passage may condense and accumulate moisture during steady driving which enters the engine and may cause a misfire and a flashing MIL.

CORRECTIVE ACTION

TLX only: Update the PGM-FI.

RDX only: Update the PGM-FI and replace the intercooler, the intercooler outlet pipe assembly, and the intercooler outlet hose.

PARTS INFORMATION

Part Name	Part Number	Quantity
Intercooler Kit	06198-5YF-305	1

CLIENT 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 Acura automobile dealer.

REQUIRED MATERIALS

Part Name	Part Number	Quantity
Honda TB2720C Water Base Lubricant (1 bottle will repair 20 vehicles)	08734-0013	1

WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1115A6	Update the PGM-FI software, and replace the intercooler	1.5 hr	00701	03217	B20053A	19710-6B2-A01
1115A6A	Update the PGM-FI software and replace the intercooler. For multi view camera adjustment (includes picture inspection) and fog light aim-add	1.9 hr			B20053B	
1115A6B	Update the PGM-FI software and replace the intercooler. For multi view camera adjustment only (includes picture inspection)- add	1.8 hr			B20053C	
1115A6C	Update the PGM-FI software and replace the intercooler. For fog light aim only - add	1.6 hr			B20053D	
1255D8	TLX: Update the PGM-FI software	0.2 hr			B20053E	

Skill Level: Repair Technician

SOFTWARE INFORMATION

NOTE: Unnecessary or incorrect repairs resulting from a failure to update the diagnostic and reprogramming software are not covered under warranty.

Before beginning the repair, make sure all diagnostic and reprogramming software are updated as listed.

i-HDS Software Version	1.008.024 or later
HDS Software Version	3.105.028 or later
Honda ECU Reprogramming	3.6.0.0 or later

Update only the systems and software listed in this service bulletin.

For more information about updating vehicle systems, refer to service bulletin 22-100, *Updating Control Units/Modules with the ECU Reprogramming Application*.

Do not use the MongoosePRO VCI for this service bulletin as it is not an American Honda approved device.

Year/Model	Vehicle System	Program ID (or later)
2019 RDX Advance	PGM-FI	37805-5YF-C510
2019 RDX Advance (SH-AWD)		37805-5YF-C710
2019 RDX A Spec, Base, Tech		37805-5YF-A910
2019 RDX A Spec (SH-AWD), Base (SH-AWD), Tech (SH-AWD)		37805-5YF-C810
2020 RDX Advance		37805-5YF-A140
2020 RDX Advance (SH-AWD)		37805-5YF-A240
2020 RDX A Spec, Base, Tech		37805-5YF-A340
2020 RDX A Spec (SH-AWD), Base (SH-AWD), Tech (SH-AWD)		37805-5YF-A440
2021 RDX Advance		37805-5YF-C120
2021 RDX Advance (SH-AWD)		37805-5YF-C220
2021 RDX A Spec, Base, Tech		37805-5YF-C320
2021 RDX A Spec (SH-AWD), Base (SH-AWD), Tech (SH-AWD)		37805-5YF-C420
2021 TLX Advance		37805-6S8-A540
2021 TLX Base, Tech, A Spec		37805-6S8-A640
2021 TLX Advance (SH-AWD)		37805-6S8-A740
2021 TLX Base (SH-AWD), Tech (SH-AWD), A Spec (SH-AWD)		37805-6S8-A840

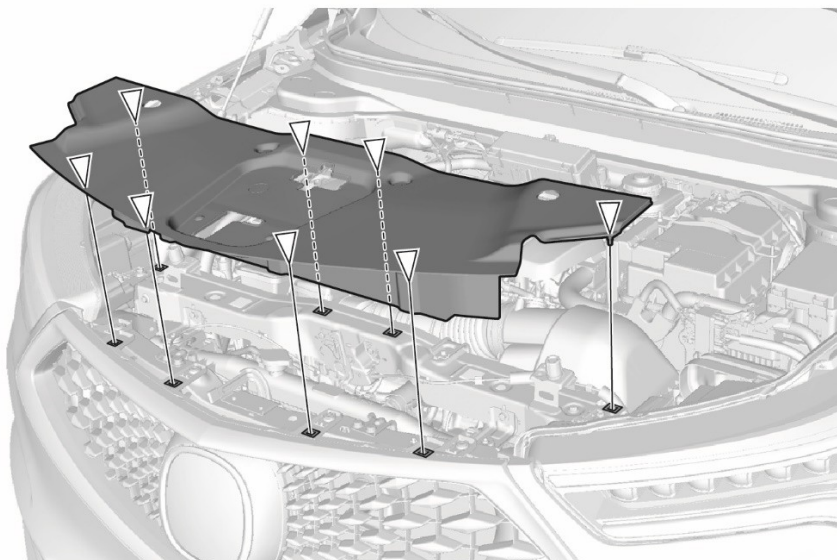
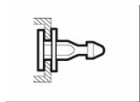
SOFTWARE UPDATE PROCEDURE

NOTE:

- Make sure the 12-volt battery is fully charged before starting an update.
 - Connect a fully charged jumper battery pack; the Midtronics GR8-110P AST in Power Supply mode or the Midtronics DCA-8000 Dynamic Diagnostic Charging System in Reflash mode, directly to the vehicle's 12-volt battery. Leave it connected during the entire procedure to maintain a steady voltage.
 - If the vehicle's 12-volt battery drops below 10 volts during the update, the programming status bar may not present accurately, or the Honda ECU Reprogramming application may display an error message.
 - Control module failure caused by the improper completion of a software update (early key cycle, low battery voltage, disconnected DLC cable, etc.) is not covered by warranty.
 - If an error occurs during the update or the i-HDS freezes, **do not disconnect the battery or turn the ignition to OFF.** Reboot the i-HDS and start over.
 - To prevent control unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, door locks, etc.) during the update.
 - Warranty reimbursement for technician labor is not allowed for routine checking/installation of any available software update.
1. Update the PGM-FI software, see service bulletin 22-100, *Updating Control Units/Modules with the ECU Reprogramming Application*.
NOTE: Update files may only be available in legacy J2534 Rewrite application.
 2. Do an **ALL DTC CHECK** to clear any codes that may have set during the update.

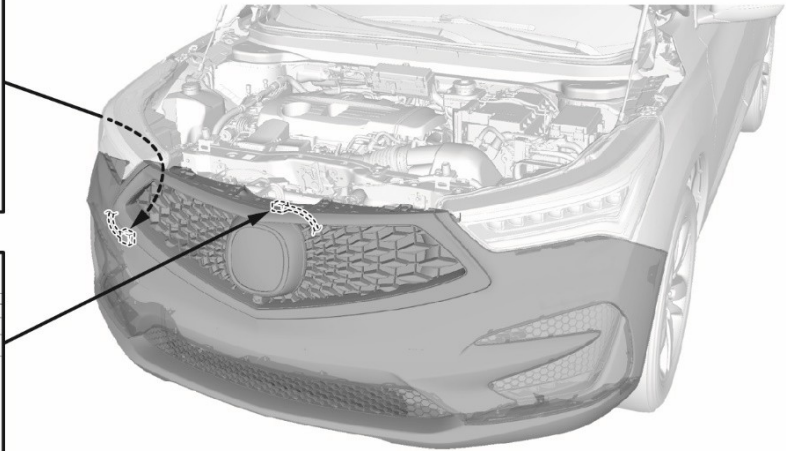
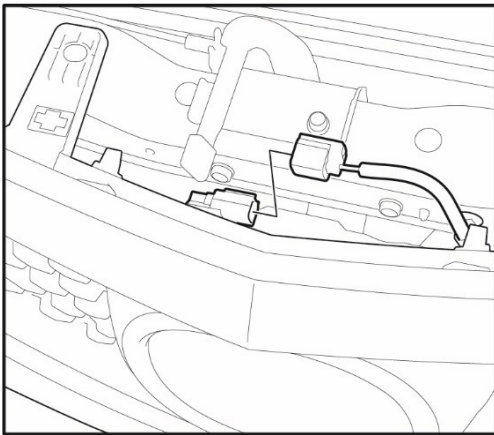
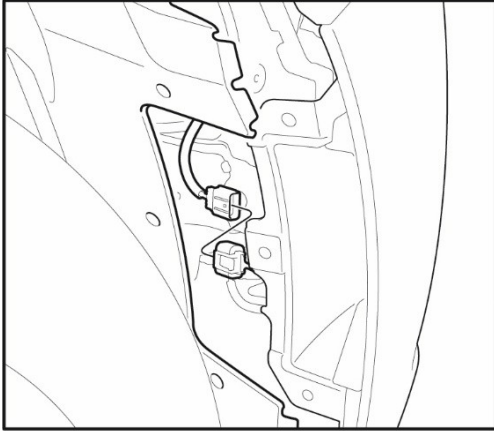
REPAIR PROCEDURE

1. Remove the front grille cover.

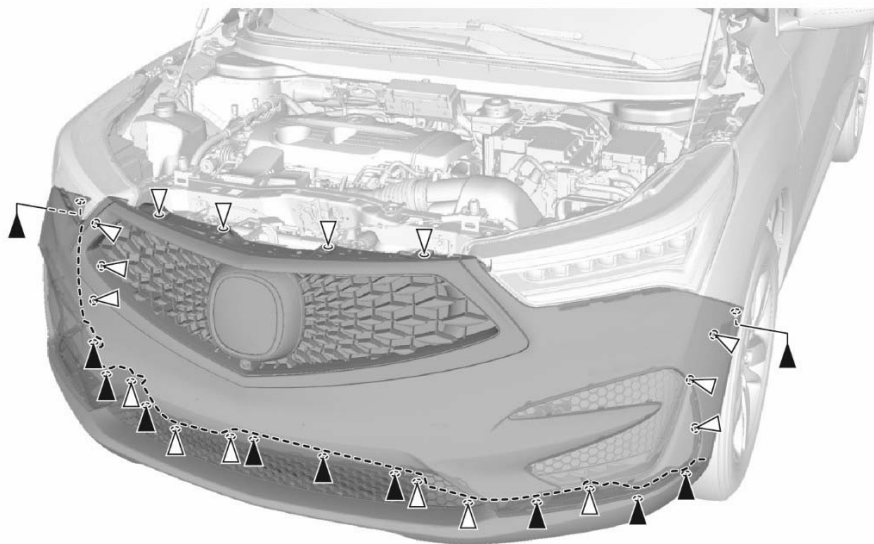
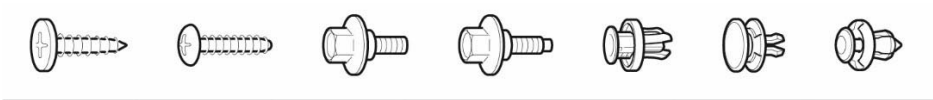


2. Remove the front bumper to gain access to the intercooler.

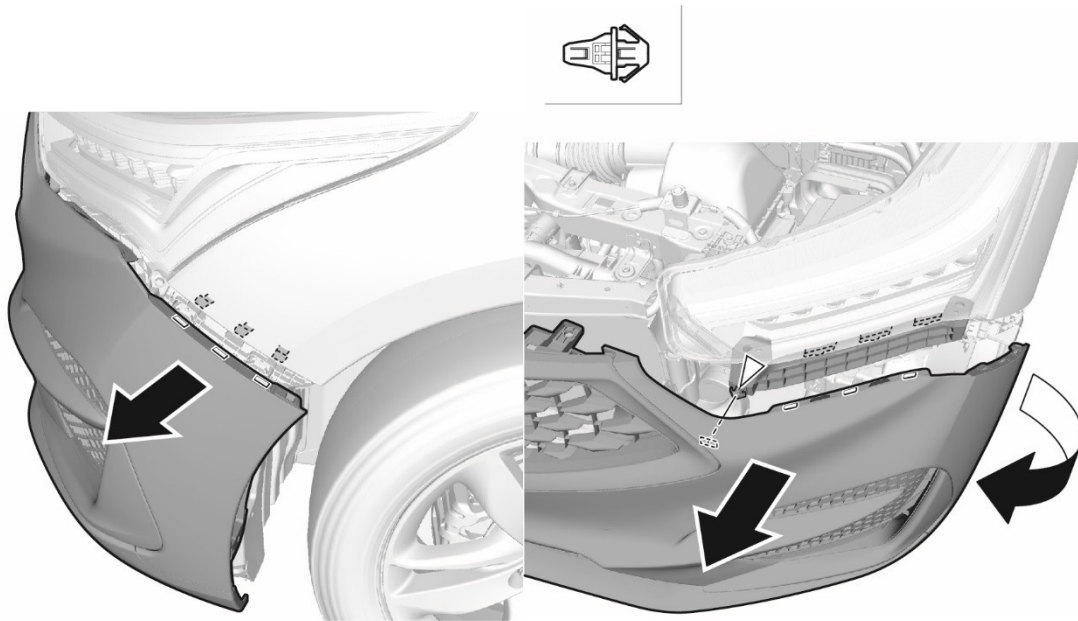
- For some models, disconnect the connectors.



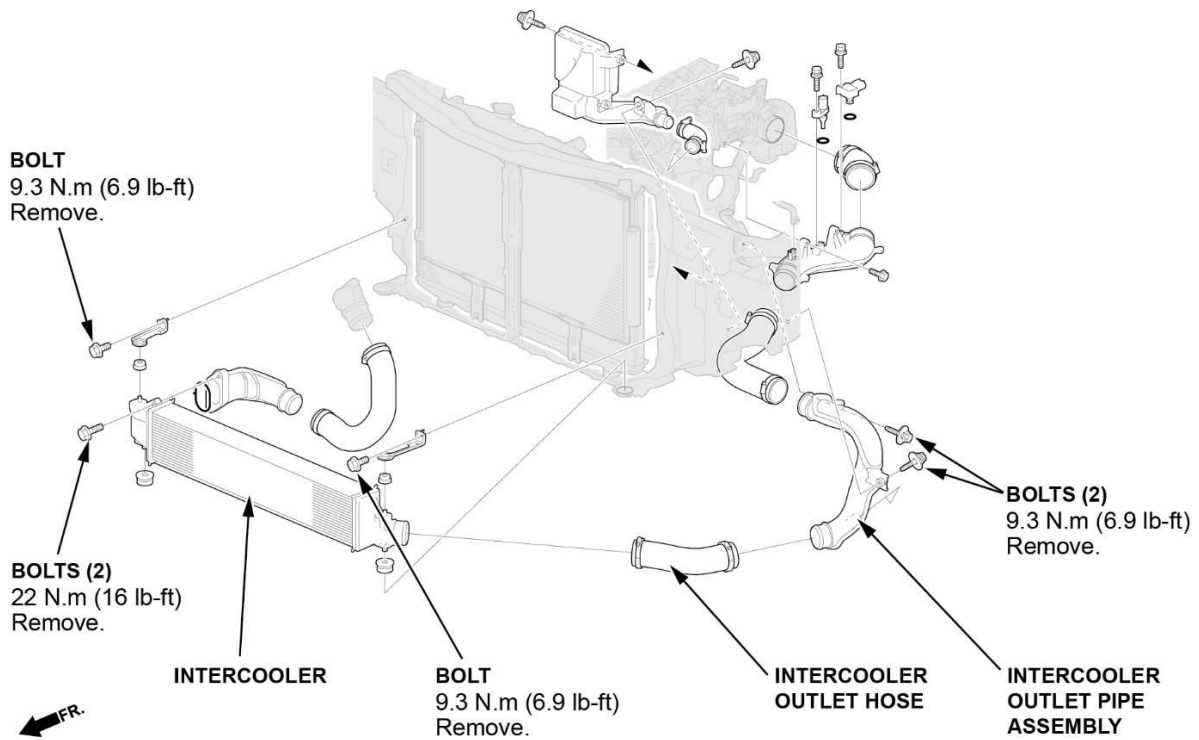
- Remove the fasteners.



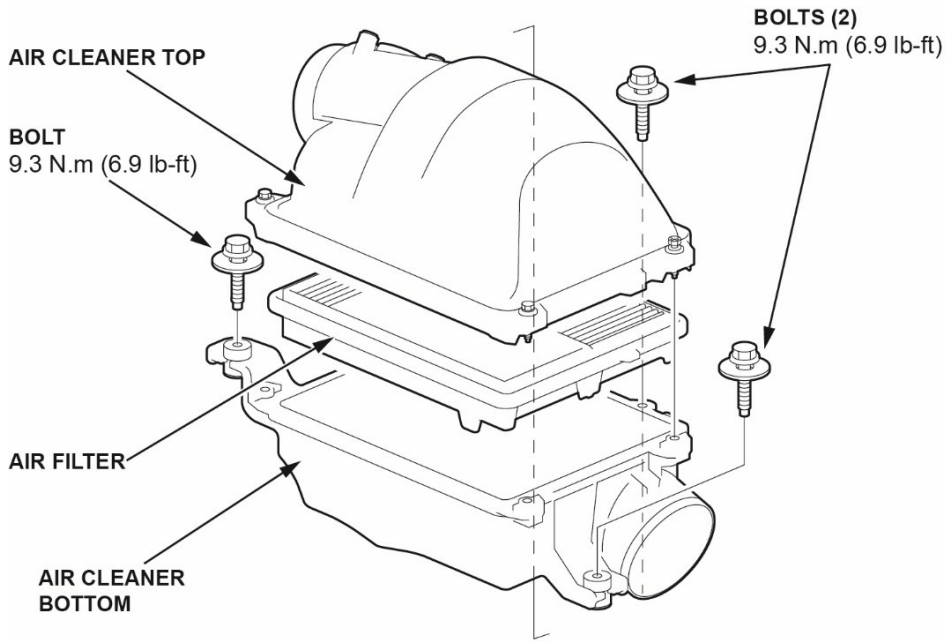
- Release the clips.



3. Remove the intercooler.



4. Remove the intercooler outlet hose.
5. Remove the intercooler outlet pipe assembly (to access the top hose clamp you must remove the air cleaner case).



6. Install the new intercooler and new gasket from the kit. Then, reuse the rubber mounts and mounting hardware and torque the two mount bolts to **9.3 N.m (6.9 lb-ft)** and the two bolts connecting the intercooler to the inlet pipe **22 N.m (16 lb-ft)**.

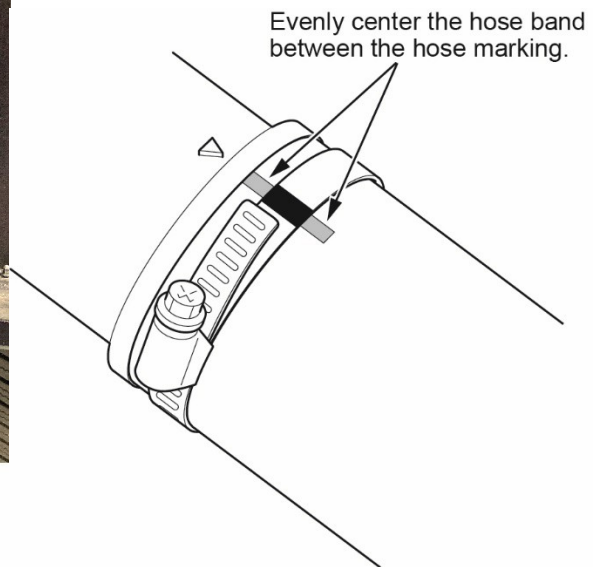
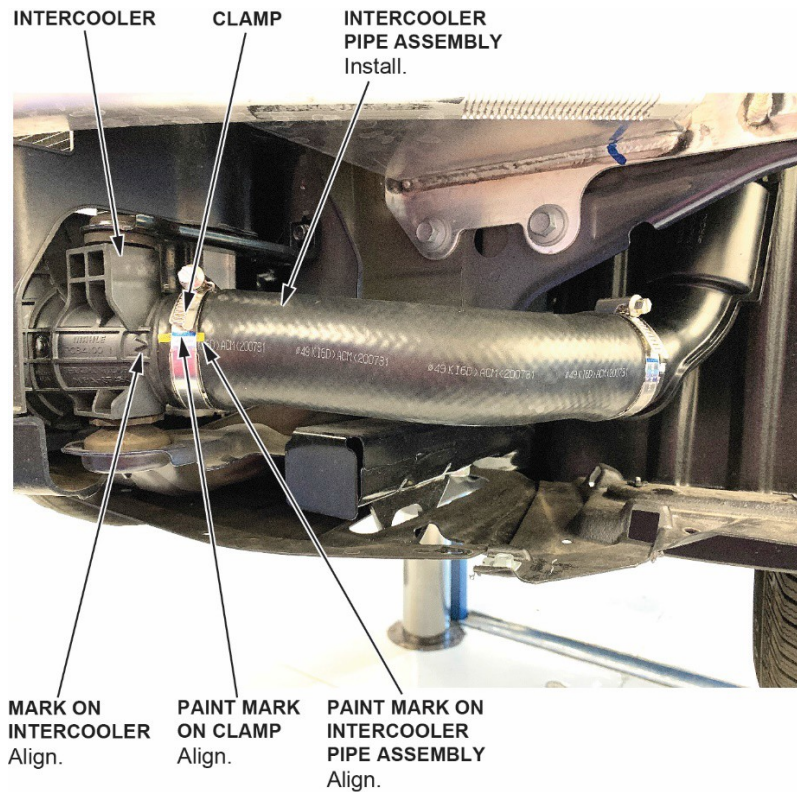


- Transfer the mounting hardware. Then, install the intercooler outlet pipe assembly to the vehicle, and torque the two bolts to **9.3 N.m (6.9 lb-ft)**.

NOTE: If necessary, use Honda TB2720C Water Base Lubricant (P/N 08734-0013) when sliding on the hose. See job aid, *Turbocharger Hose and Hose Band Guidelines*.



- Slide the intercooler outlet hose onto the intercooler outlet pipe assembly. Then, install the hose band into position by lining up the paint mark, and the mark on the intercooler outlet pipe assembly.

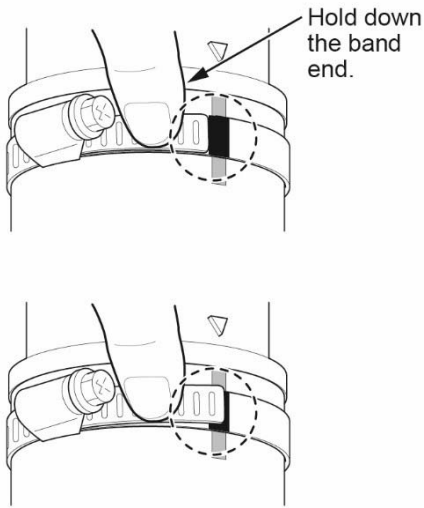


9. Tighten the hose bands to the specified condition below.



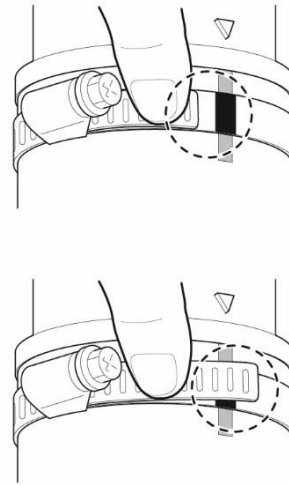
GOOD

The hose band end is **AT** or **WITHIN** the paint or hash mark on the hose band.



NO GOOD

The hose band end is **NOT AT** or **EXCEEDS** the paint or hash mark on the hose band.



10. Install the front bumper.

11. Slide intercooler outlet hose B onto the intercooler outlet pipe assembly, then, install the hose band.

12. Install the air cleaner case.

13. If equipped with multi view camera, do the aiming procedure in the service information.

14. If equipped with fog lights, do the adjustment procedure in the service information.