



SERVICE BULLETIN

Classification:	Reference:	Date:
EC10-006	NTB10-057	June 10, 2010

MAXIMA, AND ALTIMA SEDAN, COUPE, AND HYBRID; MIL “ON” WITH DTC P0442 / P0448 / P0455 / P0456

APPLIED VEHICLES: 2009 Maxima (A35)
2007 – 2009 Altima Sedan (L32)
2008 – 2009 Altima Coupe (CL32)
2007 – 2009 Altima Hybrid (L32HV)

APPLIED VINS / DATES: Maxima – ALL
Altima:
Sedan – Vehicles built before 1N4(*)L21E(*)9C 161193 / 12/12/08
Sedan – Vehicles built before 1N4(*)L21E(*)9N 471022 / 12/16/08
Coupe – Vehicles built before 1N4(*)L24E(*)9C 161010 / 12/12/08
Hybrid – Vehicles built before 1N4CL21E(*)9C 160161 / 12/15/08

IF YOU CONFIRM:

The MIL is “ON” with one or more of the following DTCs stored:

- P0442 / P0448 / P0455 / P0456
- AND**
- EVAP Vent Control Valve is stuck open or will not seal when operated / closed.

ACTIONS:

1. Replace the Vent Control Valve.
2. Install the Filter Kit listed in the **PARTS INFORMATION** section of this bulletin on Page 2.
 - Refer to **SERVICE PROCEDURE** in this bulletin starting on Page 4 for installation / repair procedure.
3. Clear any DTCs stored in the ECM.

IMPORTANT: The purpose of **ACTIONS** (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire **SERVICE PROCEDURE** (starting on Page 4) as it contains information that is essential to successfully completing this repair.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

PARTS INFORMATION

VEHICLE	DESCRIPTION	PART NUMBER	QUANTITY
ALL	EVAP Vent Control Valve	14935-JF00B	1
Maxima (A35) Altima Sedan (L32) Altima Coupe (CL32)	Filter Kit	14953-ZN50C	1
Altima Hybrid (L32HV)	Filter Kit	14953-ZN80B	1
ALL	Bitumen Wax	999MP-9G001P (1) (shop supply)	As needed
ALL	Zinc-Rich Primer	Local Source (2) (shop supply)	As needed

(1) Bitumen Wax is available from the Nissan Direct Ship Chemical Care Product Program: Phone 1-800-811-0502, Fax 1-770-218-0148, Website order link via dealer portal www.NNAnet.com, or direct www.NissanChemicals.com

(2) Use one of the following Zinc Rich primers or an equivalent:

- 3M™ Zinc Spray 16-501

For help finding a local source for 3M™ products or obtaining an MSDS, contact 3M™ Automotive Aftermarket Division at 1-877-MMM-CARS.

- CRC® Zinc-It® 18412

For help finding a local source for CRC® products or obtaining an MSDS, contact CRC® Customer Service Representative at 1- 800-272-8963.

CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace EVAP Vent Control Valve	(1)	FC50AA	HD	32	(2)

(1) Reference the Parts Information Table above and use the applicable EVAP Vent Control Valve part number as the primary failed part (PFP).

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

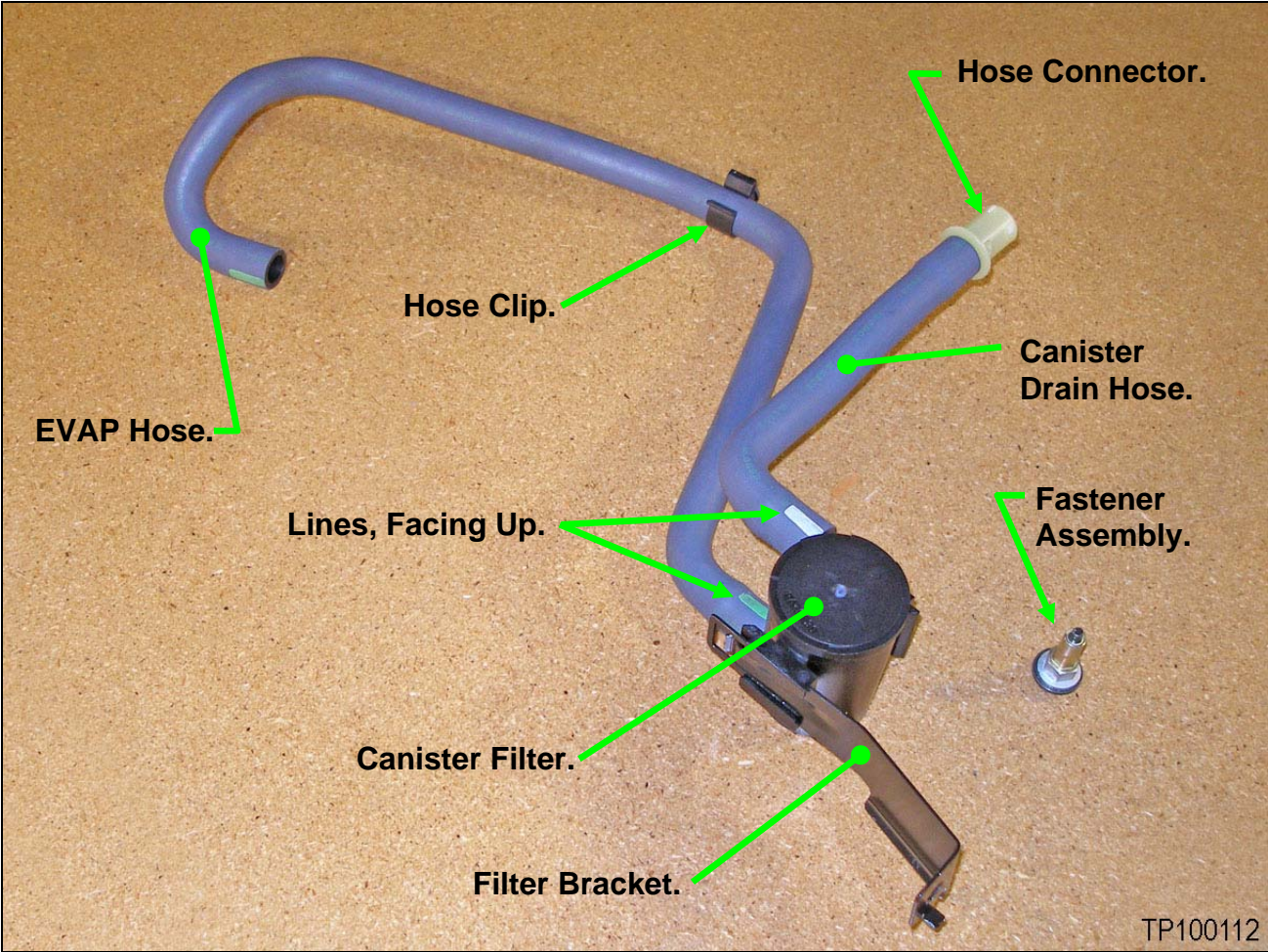
AND on the same repair line

Maxima VQ and Altima QR and VQ engines

DESCRIPTION	OP CODE	FRT
Install EVAP Filter Kit	FX39AA	2.0

Altima HEV

DESCRIPTION	OP CODE	FRT
Install EVAP Filter Kit	FX39AA	2.1



Filter Kit

SERVICE PROCEDURE

Install Filter Kit

1. Access the EVAP canister (canister) by removing the rear suspension assembly.

- For removal procedure, refer to the appropriate section of the ESM, if needed.

WARNING: Support the front of the vehicle **BEFORE** removing the rear suspension assembly (see Figure 1).

2. With the rear suspension assembly removed, remove the bolt securing the canister located on the right side, and then unclip it by sliding it to the right (see Figure 2).

- For now, let the canister “hang” to the side.

3. Remove the EVAP hose and its connector (see Figure 2).

NOTE: These parts will not be reused.

4. At this time, replace the vent control valve.

- Refer to **PARTS INFORMATION** for vent control valve part number.



Figure 1

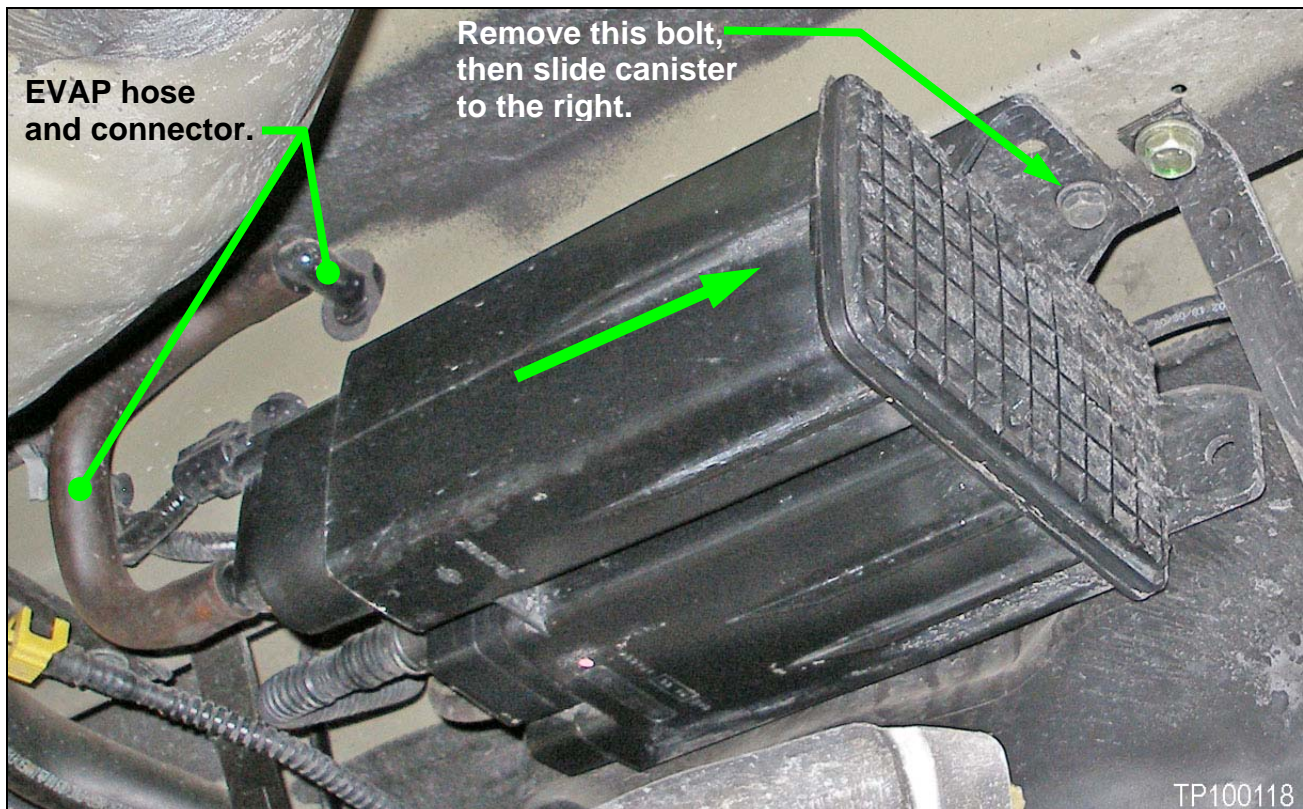


Figure 2 (Altima Sedan shown; Coupe, Hybrid, and Maxima similar)

5. Print and then cut out the templates on Page 11-13, and then place them where shown in Figure 3 below, and on Page 6, Figure 4.

NOTE: The drawing on Page 14 is for reference to location of measurement only.

6. For rear center cross member:
 - a. On the left side template, cut out a hole where noted for the existing 20 mm (25/32 inches) hole, and then place it where shown in Figure 3.
 - b. Measure 295 mm (11 19/32 inches) from the existing 20 mm hole's vertical center line to the vertical center line of the right side template, and then put it in place (see Figure 3).

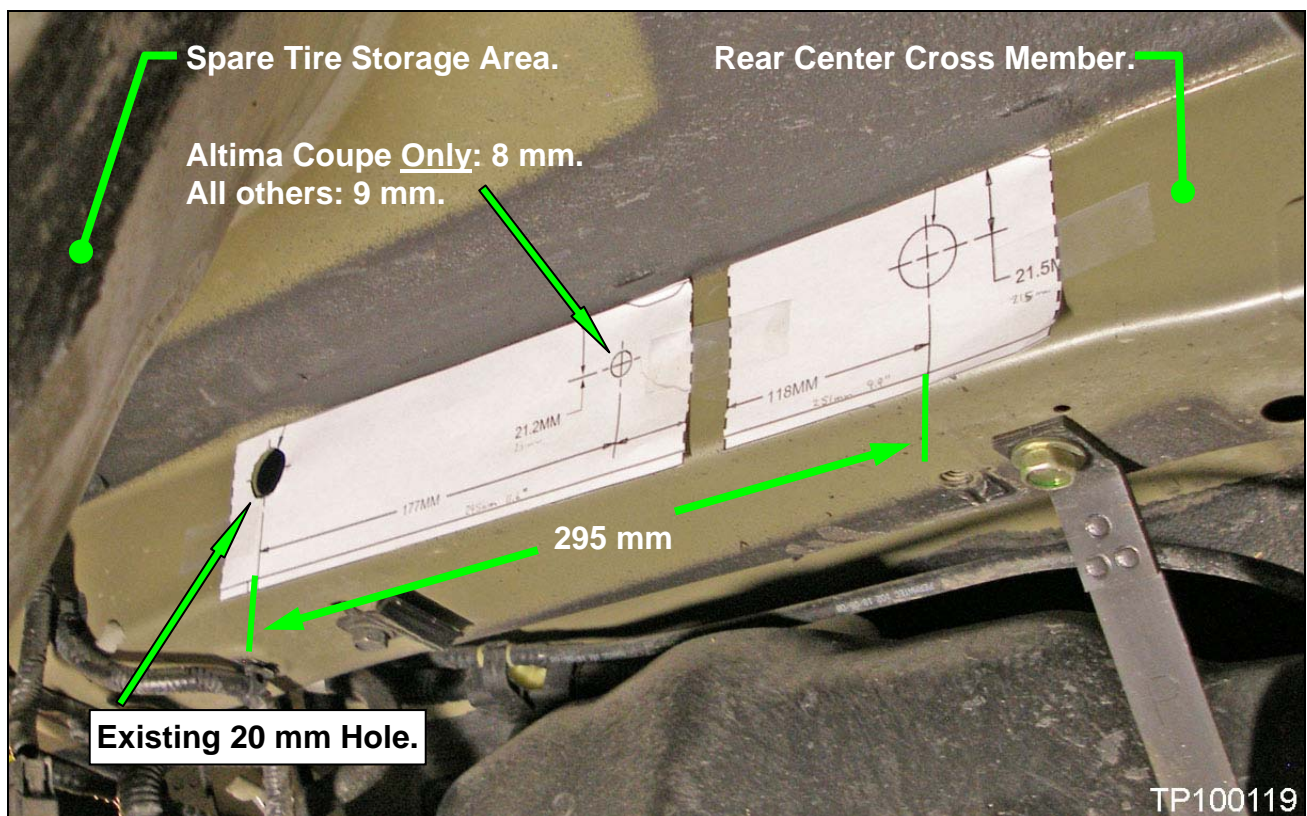


Figure 3

7. For rear of right side member:
 - a. Measure 251 mm (9 29/32 inches) between the lower rear edge of the rear center cross member and the vertical center line of the template (see Figure 4).
 - b. Measure 25 mm from the side member's upper corner to the template's upper horizontal center line (see Figure 4).
 - c. Put the template in place as measured (see Figure 4).

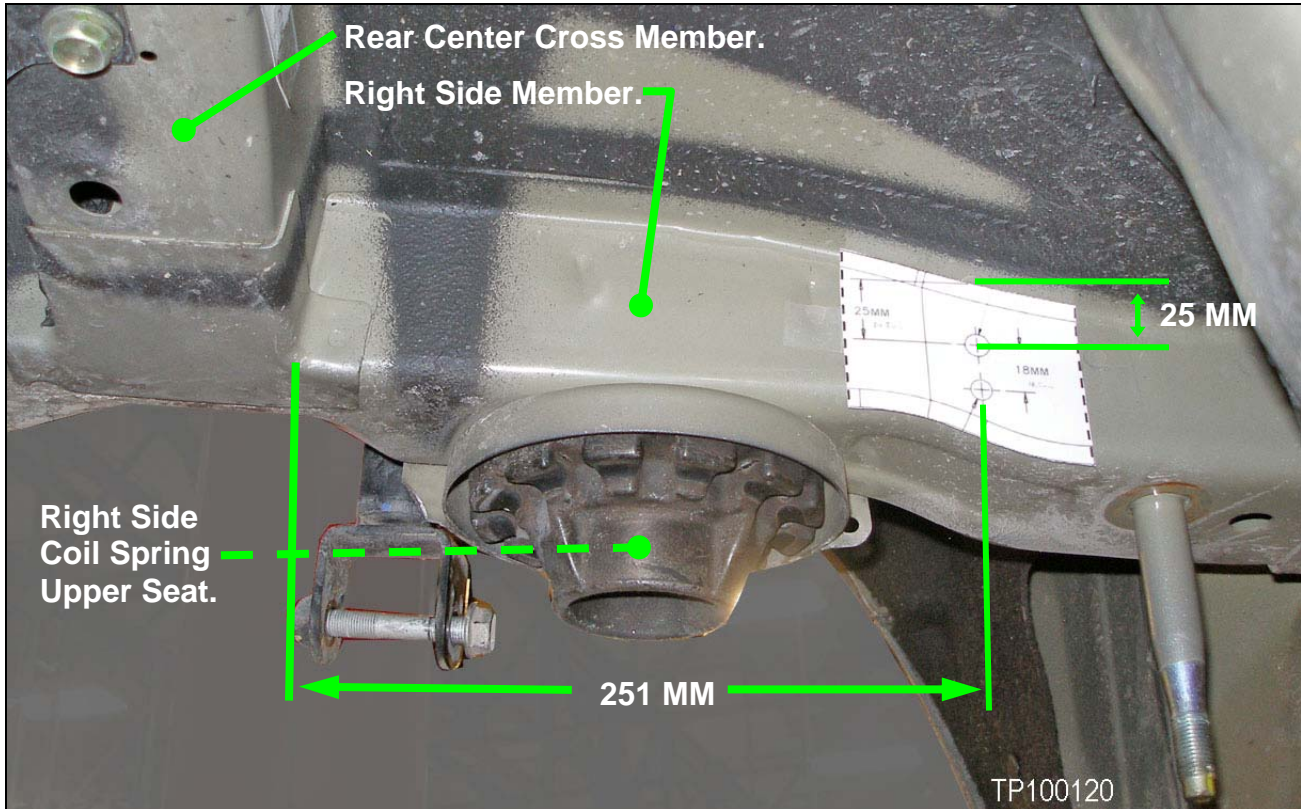


Figure 4

8. Center punch and then drill the holes to the sizes indicated on all templates.

NOTE: For Altima Coupe only, drill the hole pointed out in Figure 3 on Page 5 to 8 mm (5/16 inches). All others: 9 mm (11/32 inches).

9. Prep the drilled holes as follows:
 - a. Remove burs from the holes' edges with a file or sandpaper.
 - b. Clean the holes with suitable solvent and then allow to completely dry.
 - c. Apply / cover all bare metal with zinc rich primer (see **PARTS INFORMATION** on Page 2 for zinc rich primer).
 - d. Allow primer to dry – about one hour.

10. Prepare the filter bracket for installation as follows:

- a. Assemble the collapsible fastening nut, spacer nut, and bolt as shown in Figure 5.



Figure 5

- b. Finger tighten the assembly in Figure 5.
- c. Install / push the nut and bolt assembly into the bracket as shown in Figure 6.
 - Push in until the collar on the collapsible nut contacts the bracket.

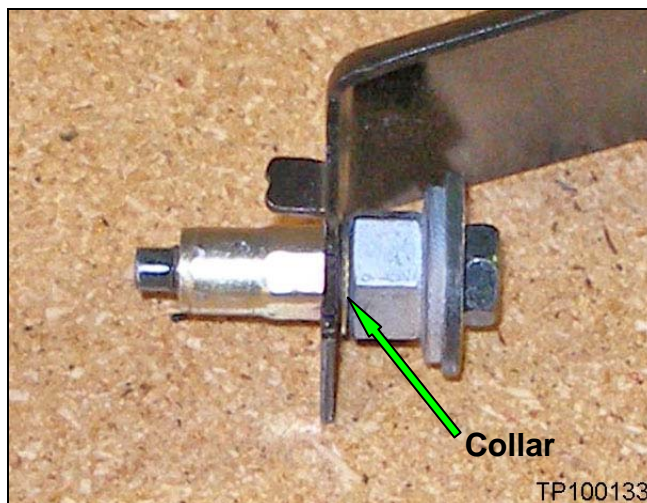


Figure 6

11. Install the filter bracket with nut and bolt assembly on the right side member (see Figure 7).

- The collapsible nut fits into the upper hole.

NOTE: The collapsible nut will be a tight fit and may require tapping in with a hammer to get it all the way in.



Figure 7

12. Torque the bolt to: 7.6 – 11.4 N•m (0.77 – 1.7 Kg-m, 67 – 101 in-lb).

NOTE: Use a 13 mm open end wrench to hold the spacer nut while tightening the bolt as shown in Figure 8.



Figure 8

13. Coat / spray the bracket bolt, and the member around the bolt with Nissan Bitumen Wax (999MP-9G001P). See Page 8, Figure 7.

14. Install the hose clip with open end up (see Figure 9 and 10).



Figure 9

15. Assemble the kit supplied filter, hoses, and connector as shown on Page 3.

- Note the position of the lines on the hoses when connected to the filter, also shown on Page 3.

16. Attach the filter to the bracket, and then insert the connector into the drilled 20 mm hole until it snaps into place (see Figure 10).

- Fit the EVAP hose into the clip (see Figure 10).

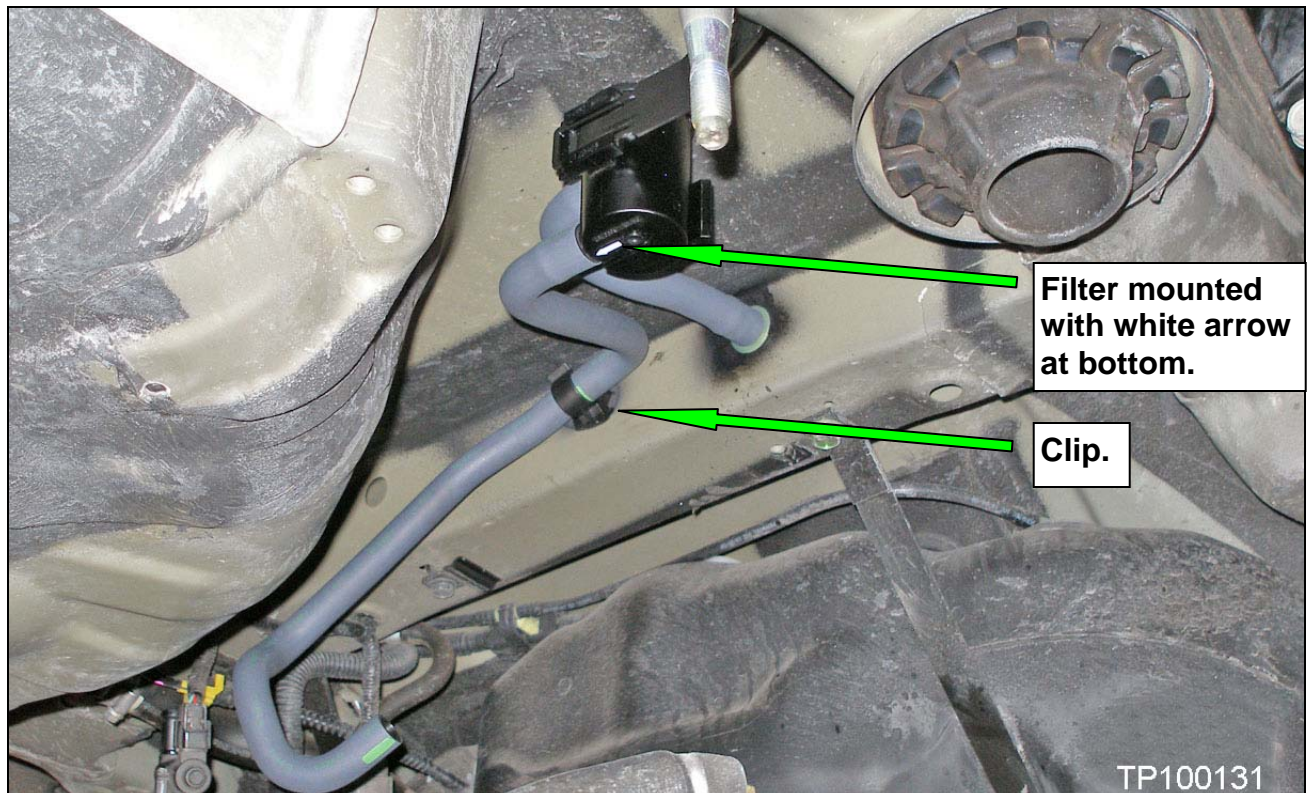


Figure 10

17. Connect the EVAP hose to the vent control valve, and then reinstall the canister (see Figure 11).

- Make sure the green line on the EVAP hose faces down.

18. Torque the canister bolt to: 8.0-10.7 N•m (0.81-1.1 Kg-m, **71-95 in-lb**).



Figure 11

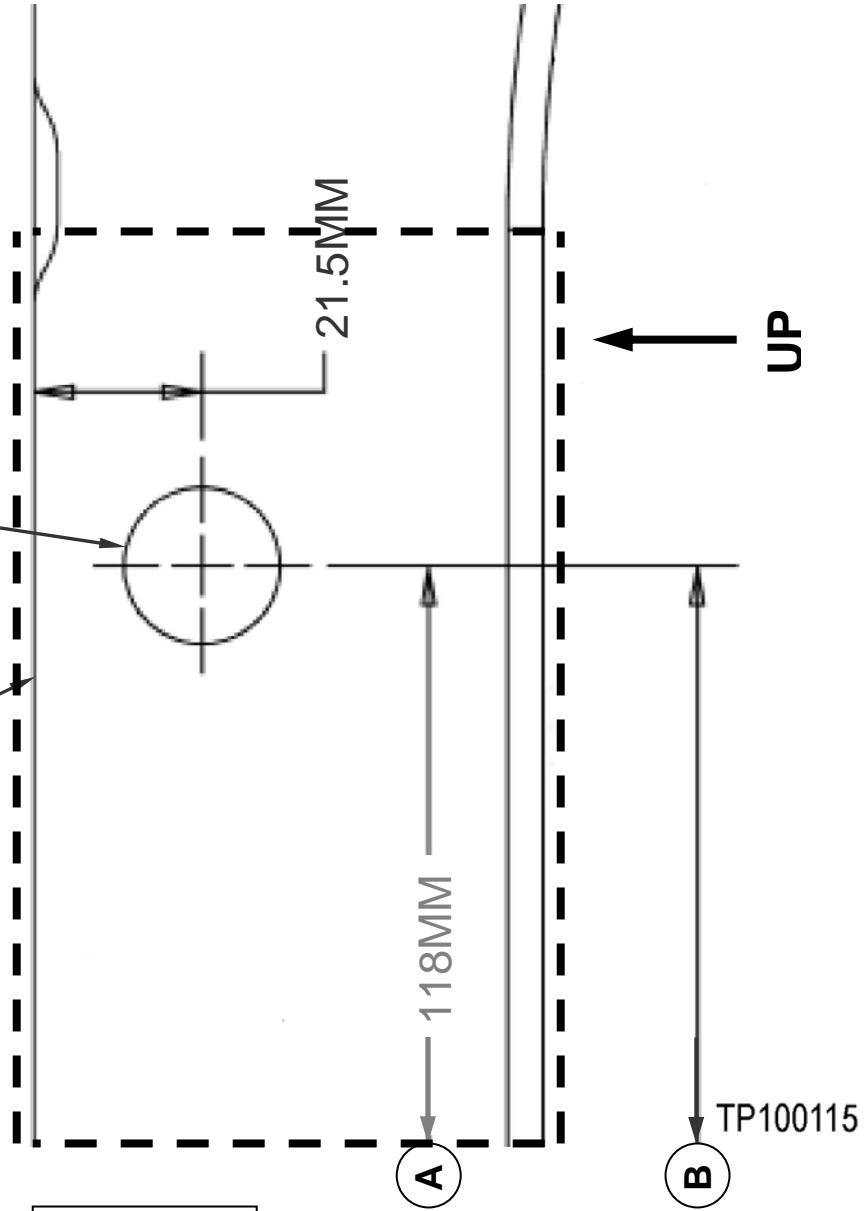
19. Reinstall the rear suspension assembly.

- For installation procedure, refer to the appropriate section of the ESM, if needed.

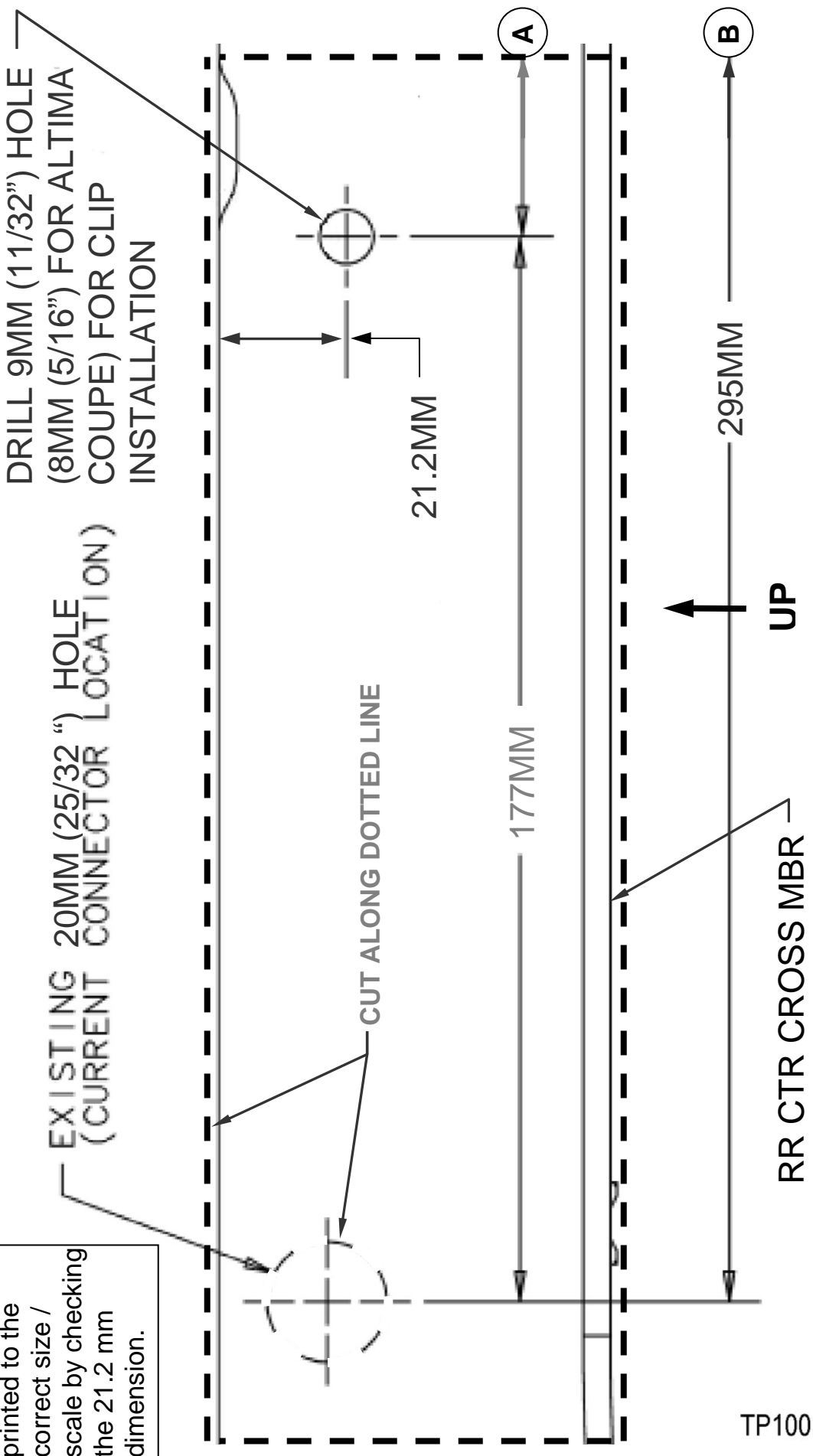
20. Clear any DTCs stored in the ECM.

MBR ASSY – RR CROSS CTR
DRILL 20MM (25/32 ") HOLE
(FOR HOSE CONNECTOR
INSTALLATION)

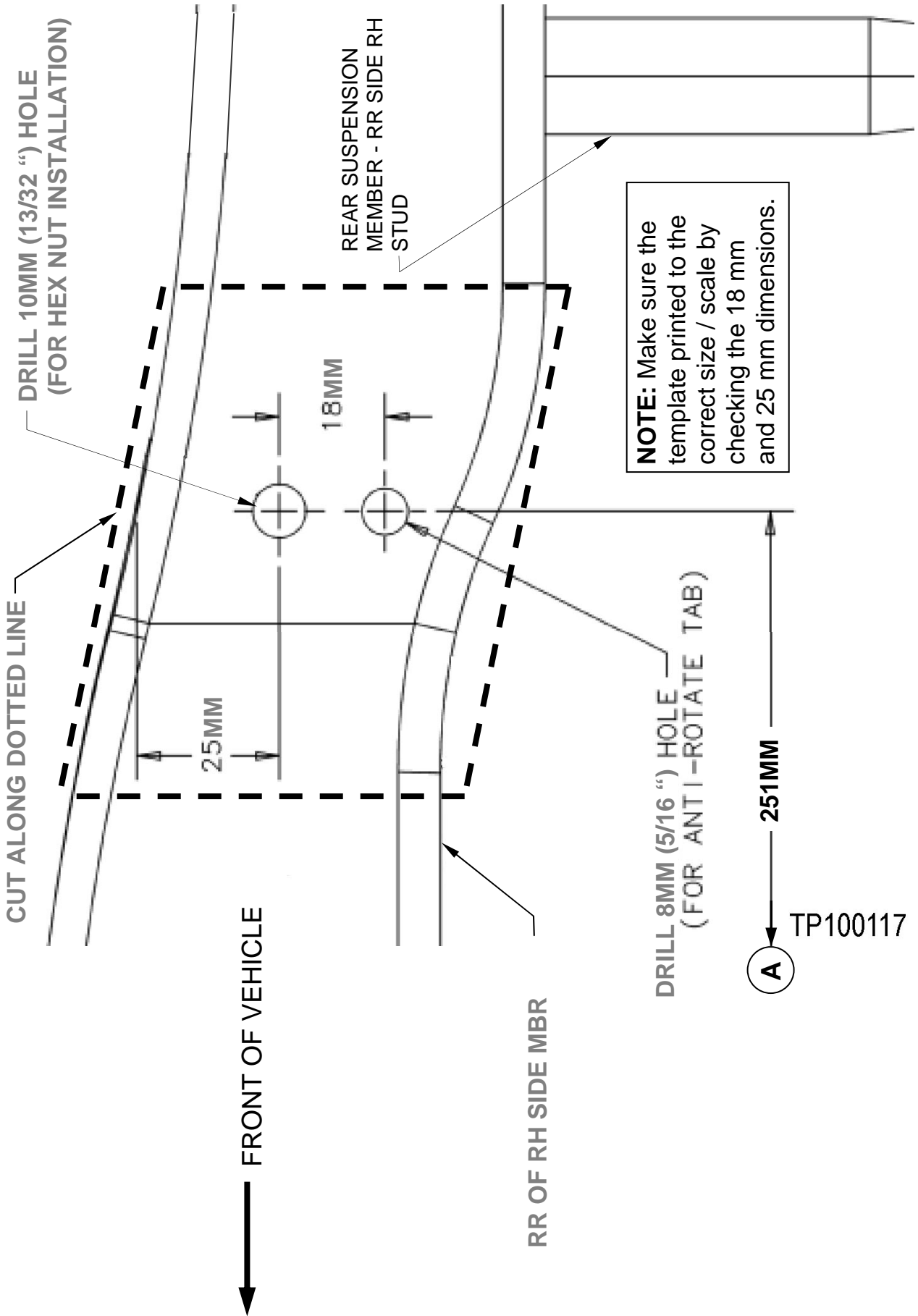
NOTE: Make sure the template printed to the correct size / scale by checking the 21.5 mm dimension.

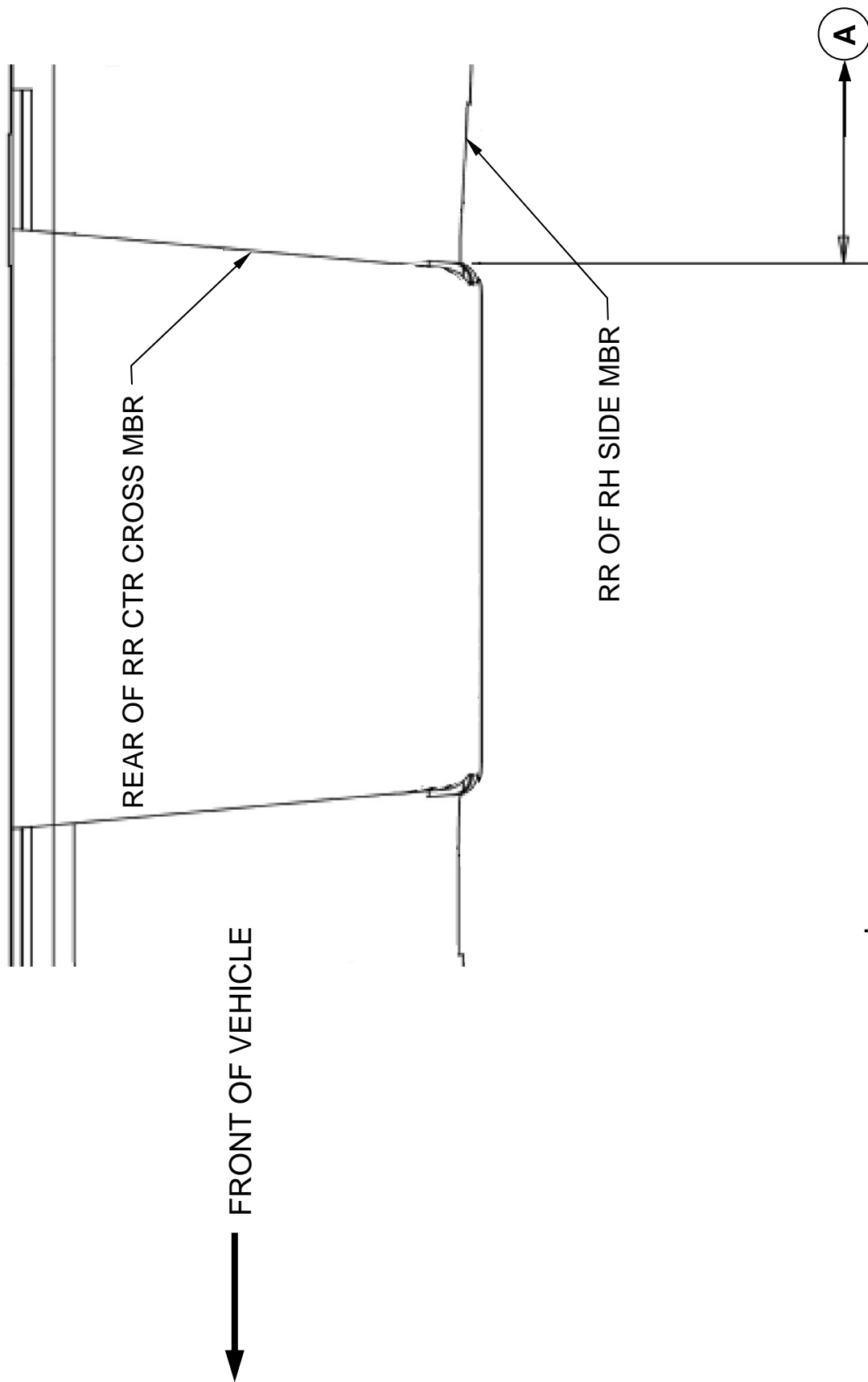


NOTE: Make sure the template printed to the correct size / scale by checking the 21.2 mm dimension.



TP100114





TP100116