HONDA

Noncompliance Recall: Gauge Control Module Software Update

AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2018-20	Odyssey	ALL except LX	Check the iN VIN status for eligibility
2019-20	Passport	ALL except Sport	Check the iN VIN status for eligibility
2019-21	Pilot	ALL except LX	Check the iN VIN status for eligibility

BACKGROUND

The MOST unit in the gauge control module is unable to process a certain amount of information, which may cause the instrument gauge to go blank or randomly reboot.

CUSTOMER 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.

Some vehicles affected by this campaign may be in your new or used vehicle inventory.

Failure to repair a vehicle subject to a recall or campaign may subject your dealership to claims or lawsuits from the customer or anyone else harmed as a result of such failure. Always conduct a VIN status inquiry before selling any vehicle to see if it is affected by a recall.

CORRECTIVE ACTION

Update the gauge control module software.

NOTE

Make sure you have completed online training module ECC30: *Combimeter Reflash Procedure* before doing this update. Claims submitted without this training will be rejected.

TOOL INFORMATION

Tool Name	Tool Number	Quantity
Combimeter Reflash Tool	07AAL-THRA100	1

NOTE

Make sure the combimeter reflash tool has been calibrated. See the Job Aid: *Combimeter Reflash Tool Instruction Manual*. It **must** be calibrated when it first arrives at your dealership, and again if the reflash procedure continues to fail.

REQUIRED MATERIALS

Part Name	Part Number	Quantity
Back Cover Felt (One sheet repairs 65 vehicles)	07AAL-THRA120	1

> **NOTE**
>
Two sheets are included with the tool. To order additional sheets, call the Honda Special Tools hotline at **(800) 346-6327**.

WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
7165A5	*Odyssey*: Update the gauge control module software.	0.5 hr	6MB00	T8900	A20047A	78100-THR-A21
7165A5	*Passport*: Update the gauge control module software.	0.5 hr	6MB00	T8900	A20047B	78100-TGS-AJ2
7165A5	*Pilot*: Update the gauge control module software.	0.5 hr	6MB00	T8900	A20047C	78100-TG8-AH1

Skill Level: Repair Technician

> **NOTE**
>
Make sure you have completed online training module ECC30: *Combimeter Reflash Procedure* before doing this update. Claims submitted without this training will be rejected.

REPAIR PROCEDURE – ODYSSEY GAUGE CONTROL MODULE REMOVAL

1. Remove both lower vent covers.

LOWER VENT COVERS

2. Remove the upper column cover from the steering column.

UPPER
COLUMN
COVER

3. Disengage the clips around the meter visor, then remove it with the upper column cover as one piece.

METER
VISOR

4. Remove the three screws securing the gauge control module.

SCREWS

5. Turn the gauge control module to access the rear connectors, being careful not to stretch the wiring harness. Disconnect the red and green FAKRA connectors, then disconnect the remaining connectors, and remove the gauge control module from the vehicle.

FAKRA CONNECTORS

NOTE

Make sure the harness is straight and not wrapped or tangled with other wires.

REPAIR PROCEDURE – PASSPORT AND PILOT GAUGE CONTROL MODULE REMOVAL

1. Remove the side cover.

SIDE COVER

2. Remove the upper column cover from the steering column.

UPPER COLUMN COVER

3. Remove the lower dash panel.

LOWER DASH PANEL

4. Remove the screw to loosen the dash panel.

SCREW

5. Pull back the dash panel as needed to allow removal of the meter visor.

DASH
PANEL

6. Disengage the clips around the meter visor, then remove it with the upper column cover as one piece.

METER
VISOR

7. Turn the gauge control module to access the rear connectors, being careful not to stretch the wiring harness. Disconnect the red and green FAKRA connectors, then disconnect the remaining connectors, and remove the gauge control module from the vehicle.

FAKRA CONNECTORS

NOTE

Make sure the harness is straight and not wrapped or tangled with other wires.

GAUGE CONTROL MODULE INSPECTION

Use a small snipping tool to remove the access cover on the back of the gauge control module.

NOTICE

Do not let the access cover fall into the gauge control module. The loose access cover could result in a rattle or buzzing noise, and the difficult recovery of the cover could lead to damage to the module.

ACCESS COVER
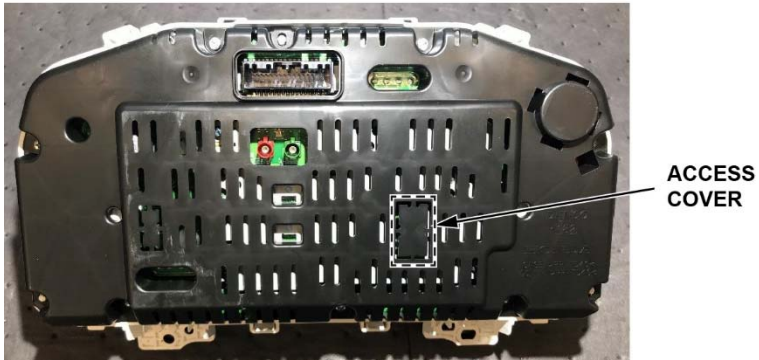
NOTES

Some gauge control modules have a connector on the circuit board and some do not.
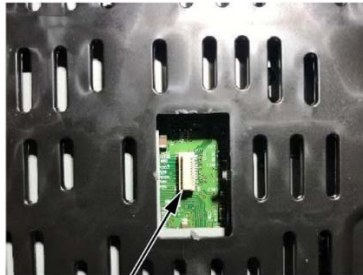
WITHOUT CONNECTOR   **WITH CONNECTOR**

- *If there is no connector,* go to REPAIR PROCEDURE A.
- *If there is a connector*, go to REPAIR PROCEDURE B.

NOTES

- Make sure the combimeter reflash tool has been calibrated. See the Job Aid: *Combimeter Reflash Tool Instruction Manual*.
- Make sure you have completed online training module ECC30: *Combimeter Reflash Procedure* before starting this reflash. Claims submitted without this training will be rejected.
- Click HERE to watch the instructional video on this procedure.
- Make sure there is no dirt or debris on the gauge control reflash tool alignment pads.
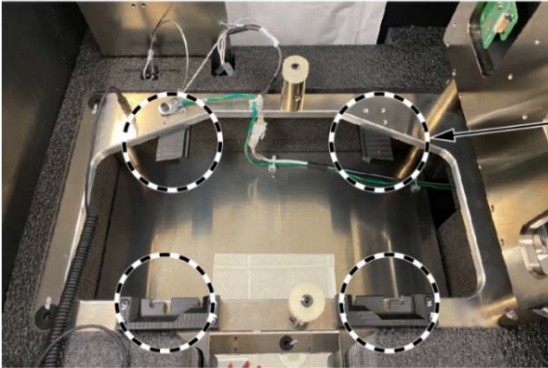
ALIGNMENT PADS
Make sure these areas
are free from dirt or debris.

1. Load the gauge control module face down into the combimeter reflash tool, making sure it is fully seated.

NOTICE

Press only in the designated areas when loading the gauge control module. Pressing on any other areas could damage the module.

Press only in designated areas.

2. Attach the grounding strap around your wrist, and make sure it is connected to the base.

Connect to base.
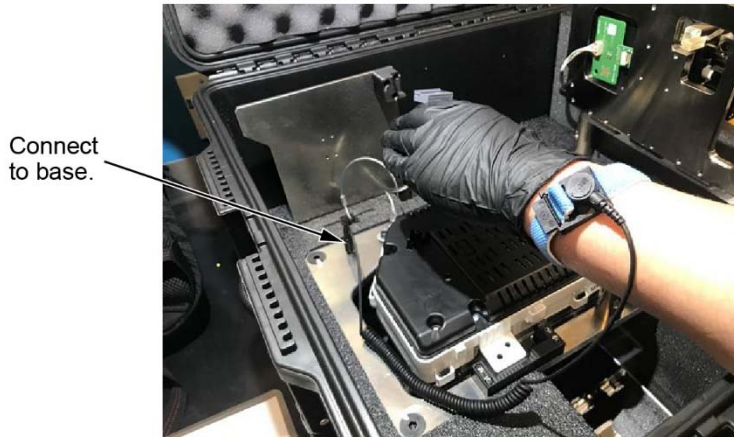
3. Connect the grey connector to the gauge control module.

CONNECTOR
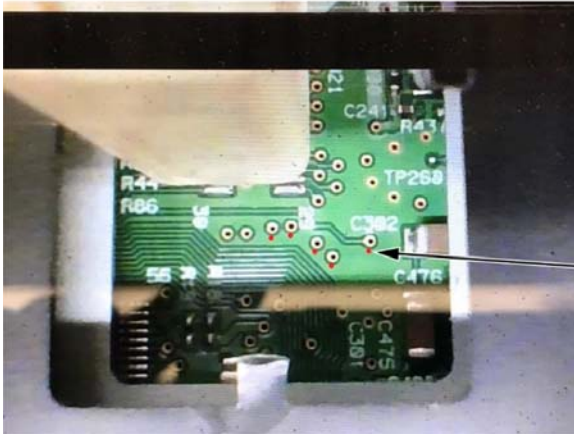
4. Carefully lower the hinged top plate onto the gauge control module.

NOTICE

Make sure the pogo head is in its fully raised position using the Z-axis (up/down) control knob before lowering the top plate. If it is not, you could damage the pins on the pogo head.

Z-AXIS CONTROL KNOB

POGO HEAD
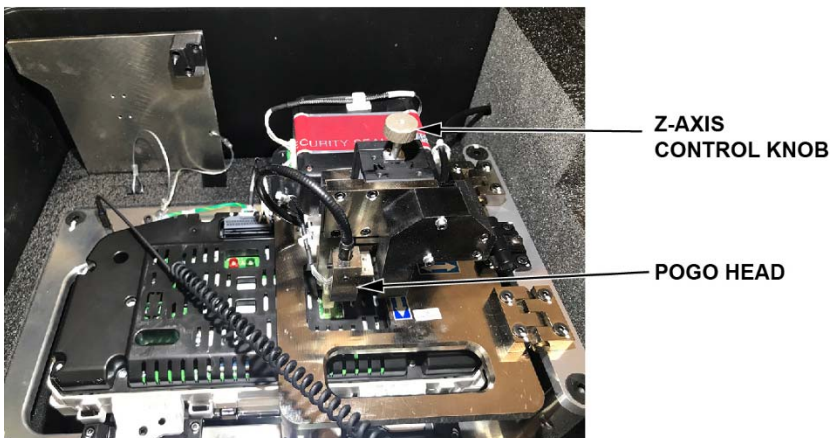
5. Check the borescope display to see if the dots line up on the circuit board.

DOTS
(NOT LINED UP)

6. Use the X-axis (left/right) and Y-axis (forward/backward) control knobs to line up the red dots with the black dots.
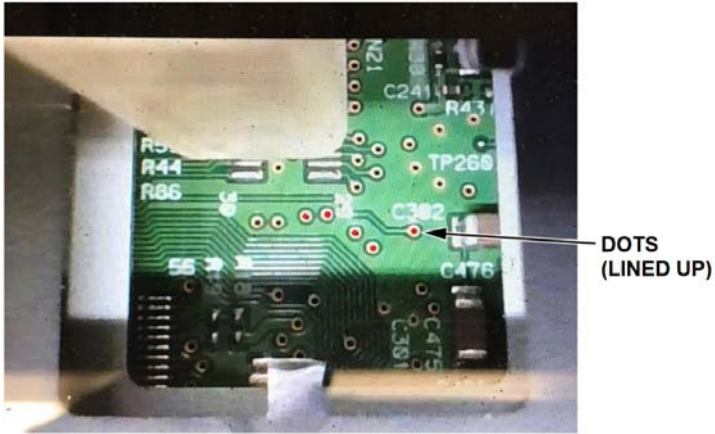
NOTES
- The dots move as a group and cannot be lined up individually.
- Although some of the red dots may not be perfectly centered, they should all be within the black dots.
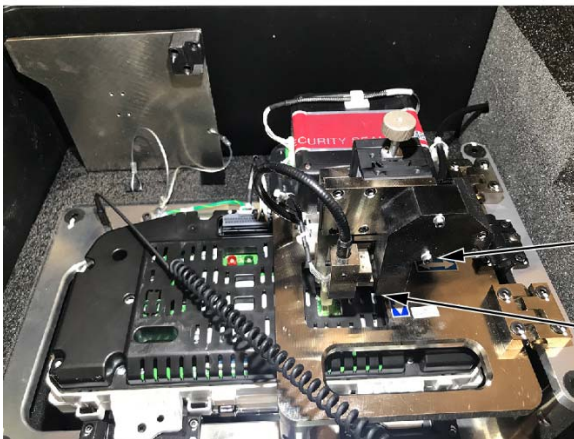
X-AXIS
CONTROL KNOB

Y-AXIS
CONTROL KNOB

7. When you have lined up the dots, use Z-axis control knob to lower the pogo head onto the circuit board until you feel slight resistance.

DOTS (LINED UP)

NOTICE

Once you feel slight resistance in the Z-axis control knob, **do not** continue lowering the pogo head. Forcing the pogo head further down could damage the tool and the gauge control module.

8. Set the REFLASH toggle switch to START. The reflash process begins.

9. Check the reflash status through the inspection mirror below the gauge control module. The reflash will take about **7 to 10 minutes** to complete.

The screen will turn green once the reflash is complete.

If the reflash fails, set the REFLASH toggle switch to STOP. Raise the pogo head with the Z-axis control knob, then start REPAIR PROCEDURE A again from step 6.

NOTICE

Do not try adjusting the pogo head using the X-axis or Y-axis control knobs while it is lowered into the gauge control module.

If the reflash keeps failing, check the calibration using Job Aid: *Combimeter Reflash Tool Instruction Manual*. Then, start REPAIR PROCEDURE A again.

10. Once the reflash process is complete, set the REFLASH toggle switch to STOP. Then, raise the pogo head all the way up, raise hinged the top plate, disconnect the grey connector, and remove the gauge control module from the tool.

11. Apply the back cover felt over the access hole on the gauge control module as shown.
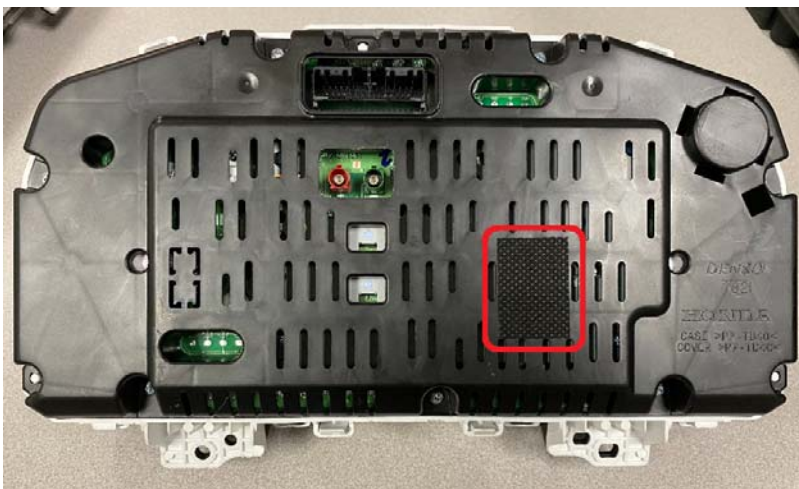
12. Install the gauge control module in the reverse order of removal. Then, go to SOFTWARE INSPECTION.

REPAIR PROCEDURE B

NOTES

- Make sure you have completed online training module ECC30: *Combimeter Reflash Procedure* before starting this reflash. Claims submitted without this training will be rejected.
- Click HERE to watch the instructional video on this procedure.
- Make sure there is no dirt or debris on the gauge control reflash tool alignment pads.
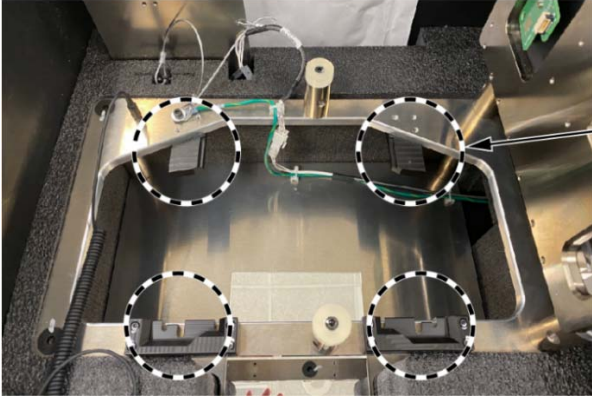
ALIGNMENT PADS
Make sure these areas
are free from dirt or debris.

1. Load the gauge control module face down into the combimeter reflash tool, making sure the module is fully seated.
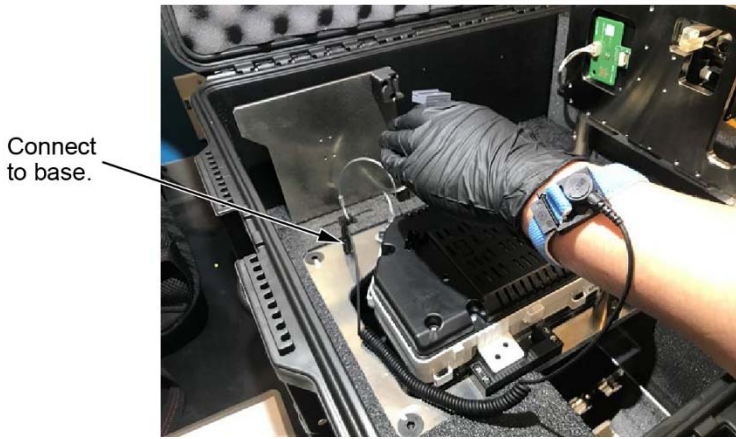

NOTICE

Press only in the designated areas when loading the gauge control module. Pressing on any other areas could damage the module.
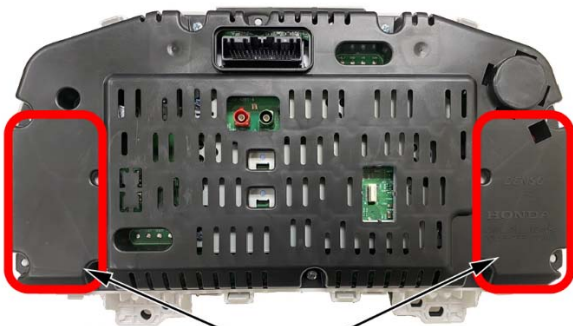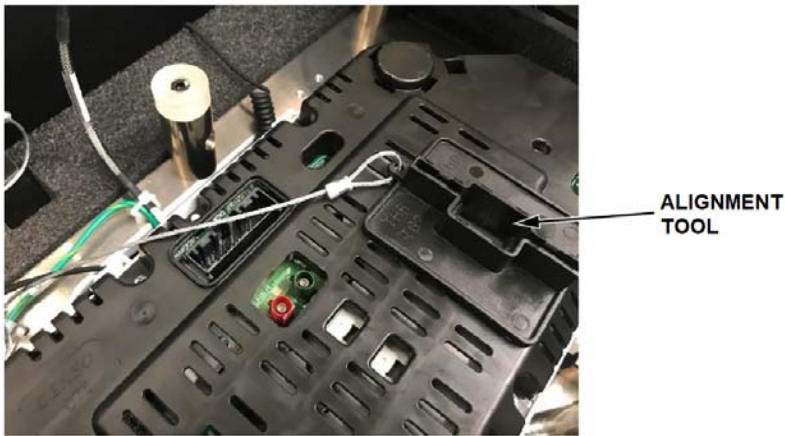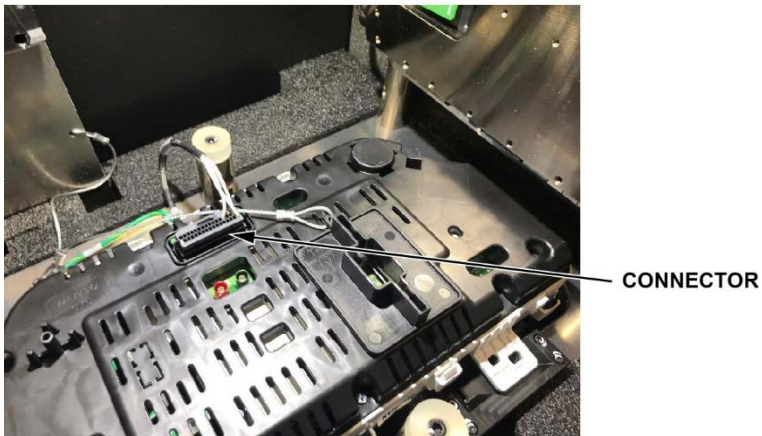

Press only in designated areas.

2. Attach the antistatic band around your wrist. and make sure it is connected to the base.
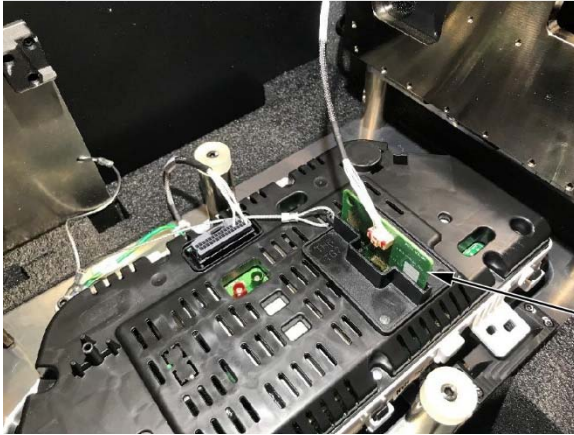

Connect to base.

3. Set the alignment tool in the access hole in the gauge control module.

ALIGNMENT TOOL

4. Connect the grey connector into the gauge control module.

CONNECTOR

5. Insert the SMART reflash card into the alignment tool, making sure the connectors make good contact.

SMART
REFLASH
CARD

6. Set the REFLASH toggle switch to START. The reflash process begins.

7. Check the reflash status using the inspection mirror under the gauge control module. The update will take about **7 to 10 minutes** to complete. The screen will turn green once the reflash is complete.

If the reflash fails, set the REFLASH toggle switch to STOP and remove the SMART reflash card. Then, start REPAIR PROCEDURE B again from step 5.

8. Once the reflash is complete, set the REFLASH toggle switch to STOP and remove the SMART reflash card.

NOTICE

Make sure the SMART reflash card is pulled straight up to prevent damage to the card and the gauge control module.

9. Remove the alignment tool, disconnect the grey connector, and then remove the gauge control module from the tool.

10. Apply the back cover felt over the access hole on the gauge control module as shown.
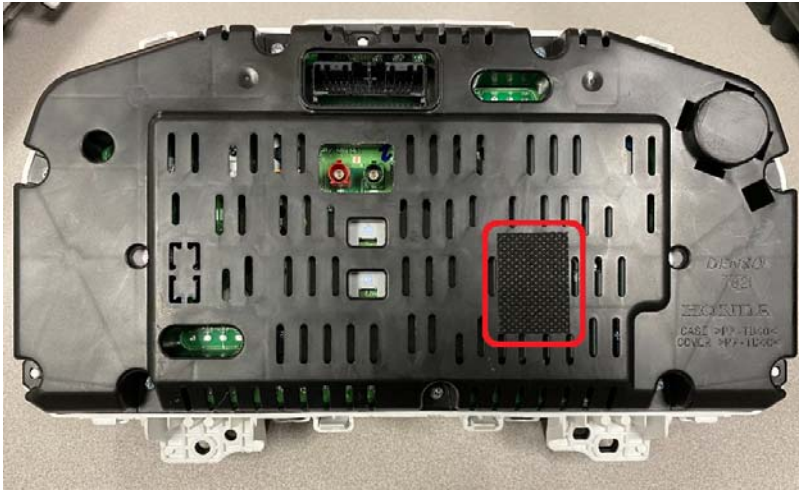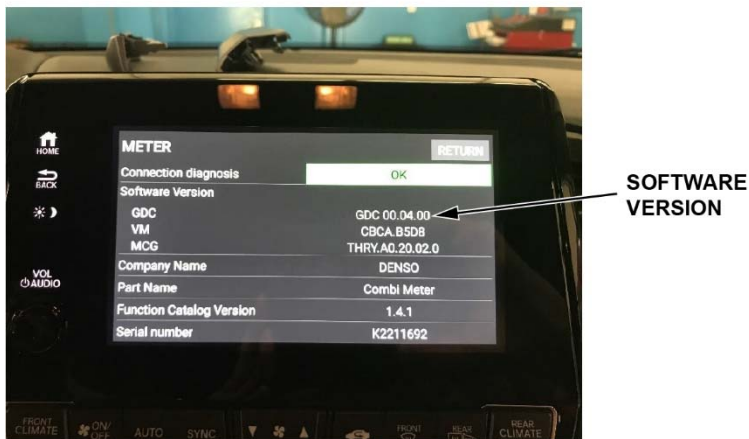

11. Install the gauge control module in the reverse order of removal. Then, go to SOFTWARE INSPECTION.

SOFTWARE INSPECTION

1. Press and hold the **HOME** icon, **Day/Night** icon, and VOL/Power AUDIO knob at the same time to enter into the **Dealer Diagnostics** screen.
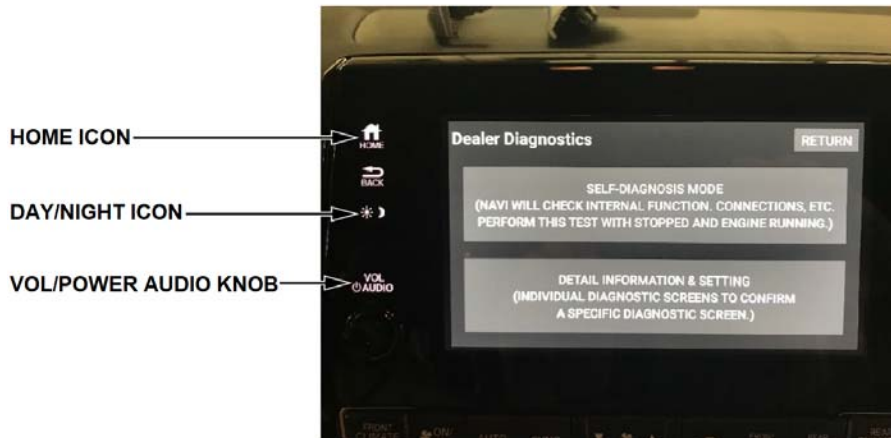
2. Select **Detail Info**, **Unit Check**, **MOST Nodes**, then **Meter**.

3. Confirm the GDC Software Version using this table.

Model	Year	Software Version
Odyssey	2018	00.12.02
Odyssey	2019	00.03.00
Odyssey	2020	00.04.00
Passport/Pilot	2019-2020	00.09.00
Pilot	2021	00.06.00

END