

**CUSTOMER SERVICE PROGRAM CSP12 – DENSO LOW PRESSURE FUEL PUMP EXTENDED WARRANTY
MX-5 ONLY**

A. VEHICLE INSPECTION PROCEDURE – IDENTIFY THE VEHICLE GROUP FOR REPAIR

1. Verify that the vehicle is within the following ranges: [Click this link to see the VIN ranges in "Additional Vehicles" or "Recalled Vehicles"](#). **Not all vehicles in the VIN ranges qualify for CSP12, only those listed as "WARR EXT" and have CSP12 in eMDCS Warranty Vehicle Inquiry.**

- If the vehicle is one of the above listed, proceed to Step 2.
- If the vehicle is not within the above ranges, return vehicle to the customer or inventory.

2. eMDCS System - Warranty Vehicle Inquiry Results – **THE VEHICLE GROUP MUST BE IDENTIFIED BEFORE MOVING FORWARD. PLEASE IDENTIFY WHICH GROUP THE VEHICLE IS IN, "ADDITIONAL VEHICLES" OR "RECALLED VEHICLES", [CLICK HERE FOR THE LINK:](#)**

If eMDCS displays:	Action to perform:
CUSTOMER SERVICE PROGRAM CSP12 is displayed as "WARR EXT"	<p>"Recalled Vehicles": If Safety and Emissions Recall 5321K is "OPEN", STOP and perform 5321K.</p> <p>"Recalled Vehicles": If Safety and Emissions Recall 5321K is "CLOSED", verify the concern is directly related to the Denso Low-Pressure fuel pump in CSP12. If verified as a low-pressure fuel pump concern, then proceed with the repair.</p> <p>"Additional Vehicles": Verify the concern is directly related to the Denso Low-Pressure fuel pump in CSP12. If verified as a low-pressure fuel pump concern, then proceed with the repair.</p>
CUSTOMER SERVICE PROGRAM CSP12 is not displayed	Customer Service Program CSP12 does not apply to this vehicle.

B. REPAIR PROCEDURE



The correct fuel pump must be installed or you will not be paid for the claim and the vehicle could return at the dealers expense, and with great inconvenience for the Mazda customer.

The fuel pump is always the PNMC on the warranty claim. The gasket is NOT to be written or entered in the warranty claim as the PNMC. ***If the part you received is incorrect, and does not match the powertrain (engine and/or transaxle) combination, notify your service and parts managers and return the part immediately to obtain the correct part.***

Take care in removing customer personal items from the vehicle interior or trunk. Any damage to vehicles, or customer items will be the responsibility of the Mazda dealership.

Continue to Page 2 below

Please watch the video prior to repairing:

[MX-5 Repair Video Link](#)



CAUTION: The disassembly surface must be clean and flat as in the videos. Do not disassemble on a non-flat surface. Be very careful with handling the FDM unit as the fittings or hoses can break. See pages 3 and 4 in the Repair Procedure for ALL MODELS.

This repair method explains the removal of the fuel pump unit safely and most efficient way.

Fuel Tank and Fuel Tank Screws – Rusted/Sheared: If fuel pump assembly mounting screws need to be replaced, it is required to use Mazda part # 9983-30-408.

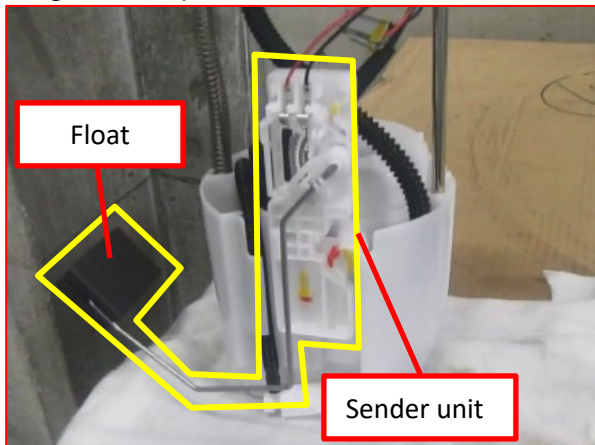
If you need a Fuel Pump or Fuel Tank assembly, you must fill out Dealer Recall Help on OneMazda with photos of the tank and parts needed to repair.

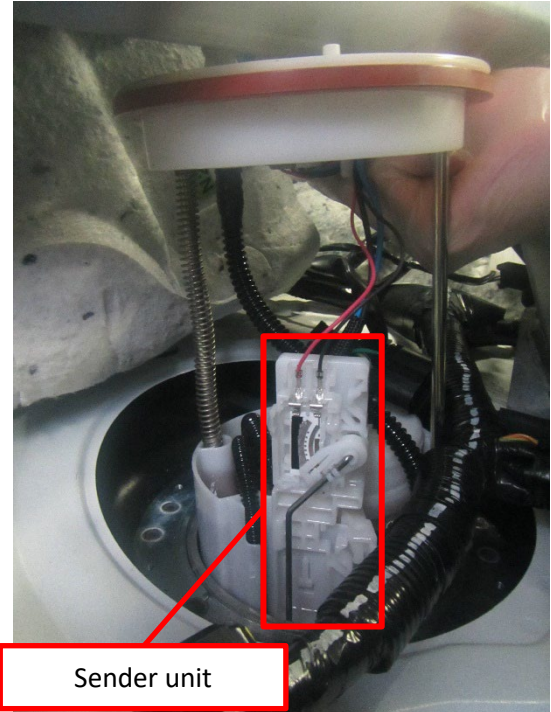
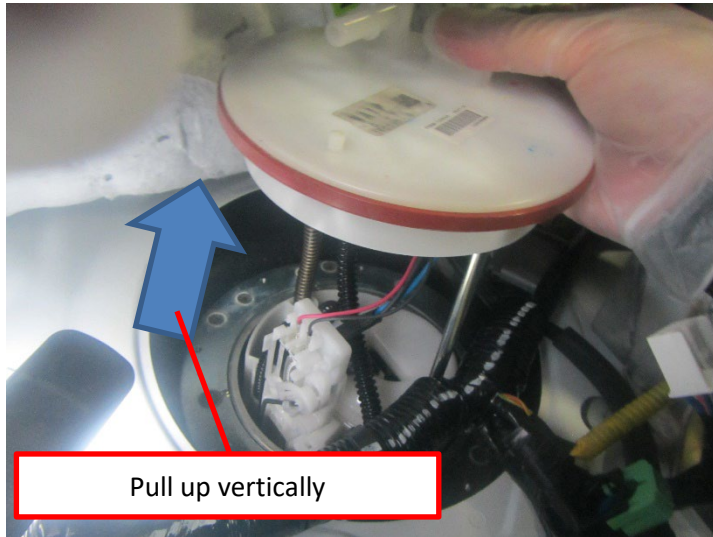
Replacement of screws only does not require contact to Dealer Recall Help.

Be very careful with handling the Fuel and Gauge Unit (FDM) unit as the hoses and fittings can break. Hoses and fittings damaged by the technician will not be reimbursed by Mazda and will need to be repaired at the dealership expense. If replacing a FDM, do not replace the inner Denso Low Pressure Fuel Pump as it is updated with any Mazda genuine FDM obtained from the Mazda PDC.

1. Remove the fuel pump unit from fuel tank refer to Workshop manual. [Click here for the procedure](#)
2. Pull up the fuel pump unit carefully until sender unit appears.

Image for the part 'Sender unit' with float. Be careful, the float may damage and bend easily.

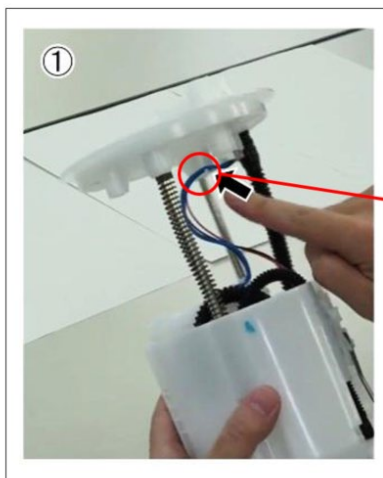




IMPORTANT NOTE: Check for broken, cut, frayed or chafed wire on FDM units as in the photo (1) below.

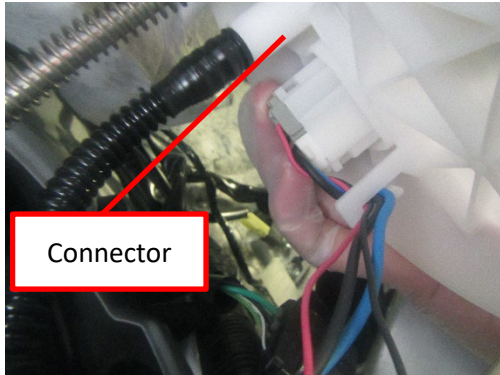
- If found to be damaged, the harness must be replaced. ***Be very careful with the harness as it can easily be damaged.***
- Part ordering: **Order the harness from the Restricted Parts Ordering (RPO) Screen through the Dealer Assistance Group (DAG).** You must have an open RO and the vehicle must be down. The Parts & Warranty information has been updated with the correct part number for the MX-5.

Harness Part Number	Model
292135-1074 (Length - 25CM)	MX-5

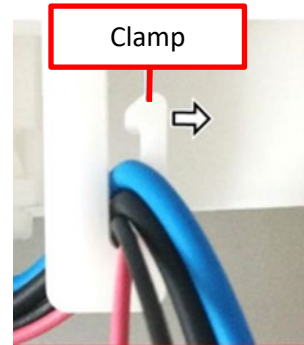


3. Remove the sender unit - refer to VIDEO on MGSS.

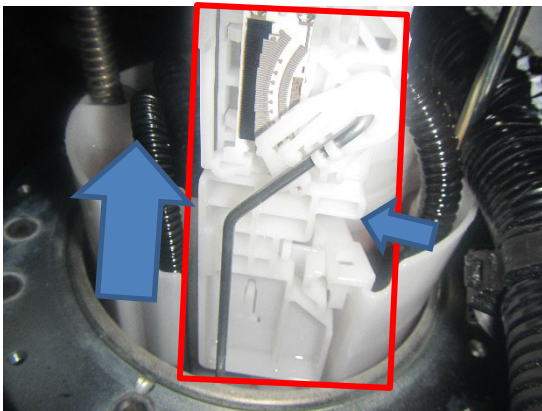
1, Remove the connector and harness from clamp.



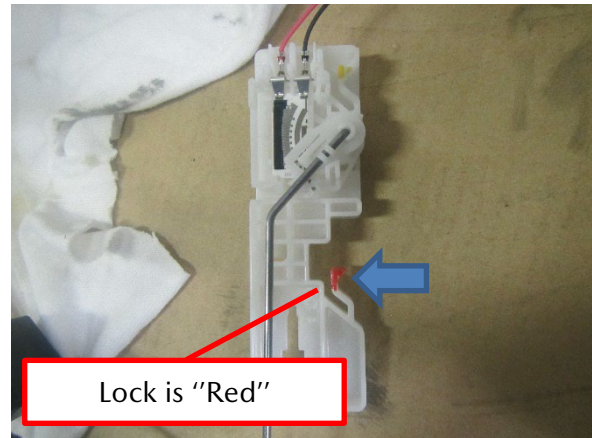
※Image for the harness with clamp.



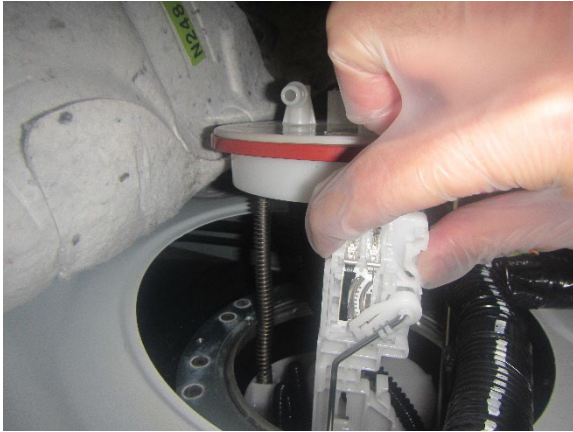
2, Release the 'Lock' then pull up the sender unit vertically.



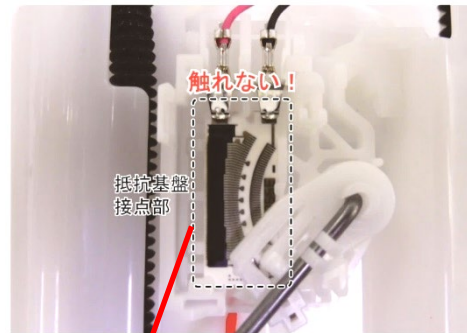
※Image for the 'Lock' position.



3, Hold the sender unit with harness up and go down the fuel pump unit vertically.



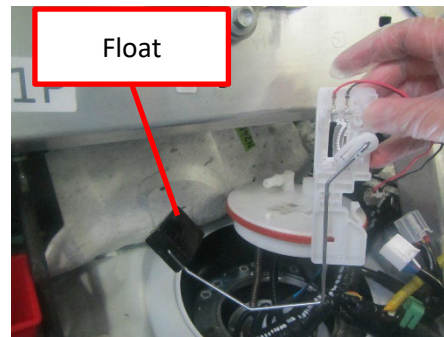
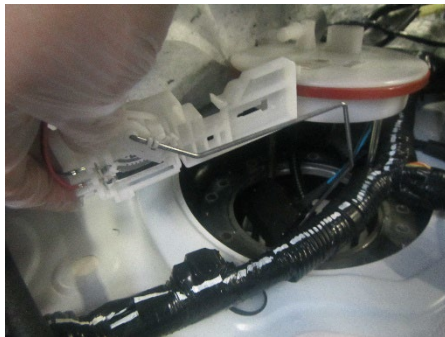
※Do not touch the sensor.



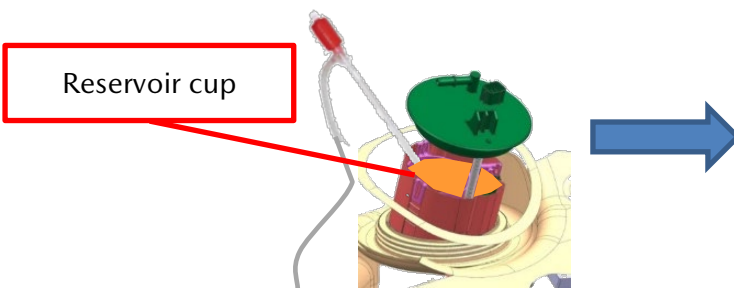
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Do not touch terminals.

4, Be sure that the float part of the sender unit does not contact the fuel tank.

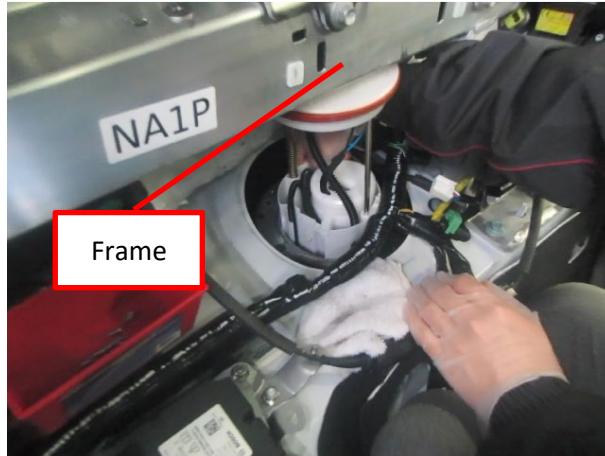


4. Remove the fuel remaining in the unit's reservoir cup with a dropper.



5. Remove the fuel pump unit refer to VIDEO on MGSS.

1, Lift the unit to the limit of the frame.



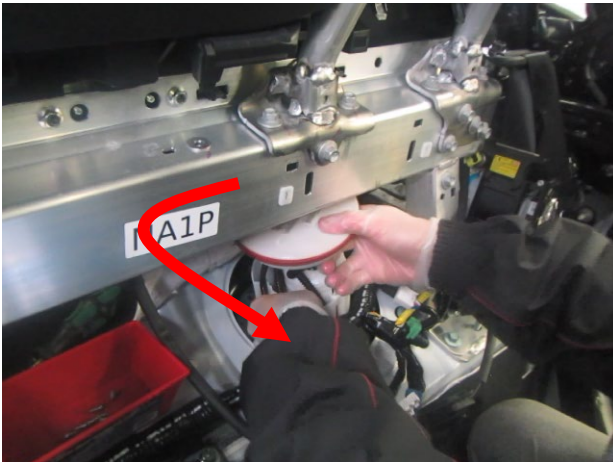
2, Apply the upper part of the unit to the frame and compress.



※Image of compression.

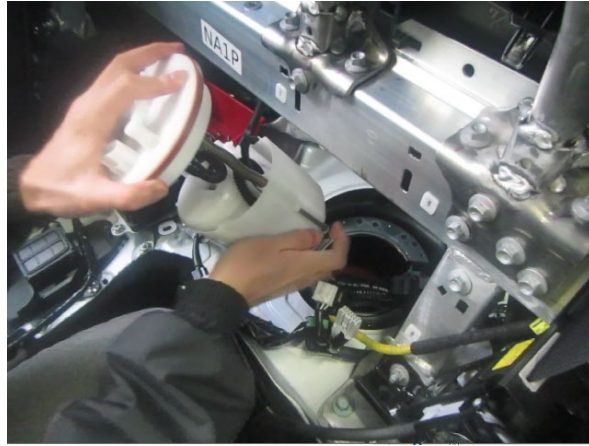


3, Slide the fuel pump unit as shown by the arrow to remove it from the fuel tank.

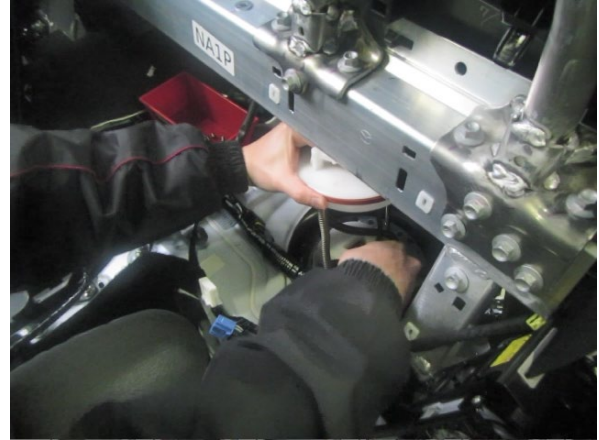
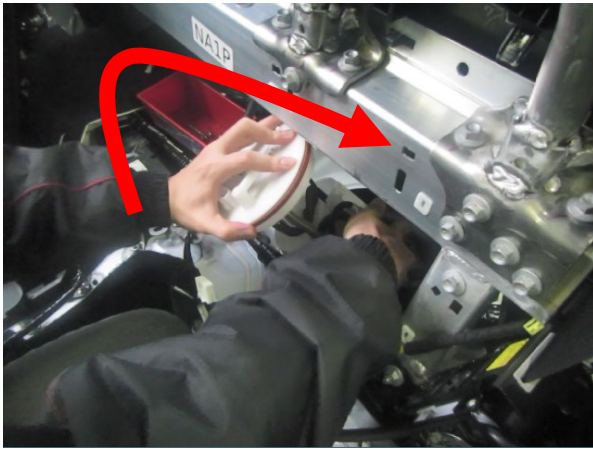


6. Proceed the removal of the fuel pump - refer to Customer Service Program CSP12 Repair procedure All Models
7. Install the fuel pump unit with the sender unit removed.

1, Compress the unit.

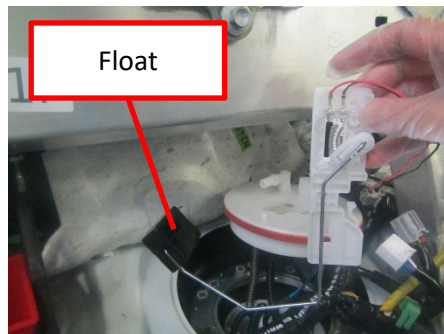


2, While compressed, push under the frame and rotate the fuel pump unit in the direction of the arrow to install the unit into the fuel tank.

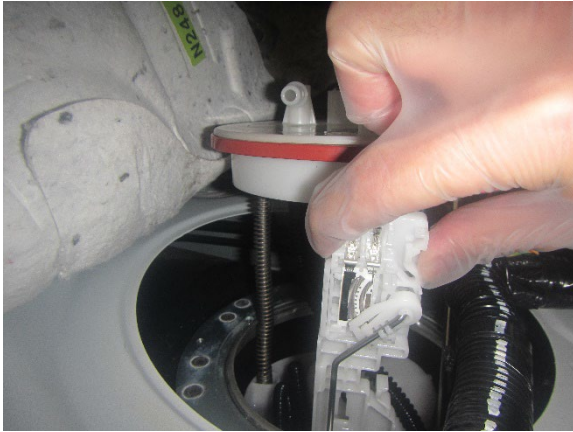


8. Install the sender unit.

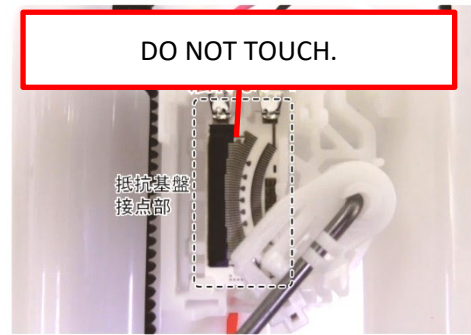
1, Reinstall the sender unit inside. Make sure that the floating part does not contact to the fuel tank.



2, Hold the sender unit in your hand and slowly lower the fuel pump unit.

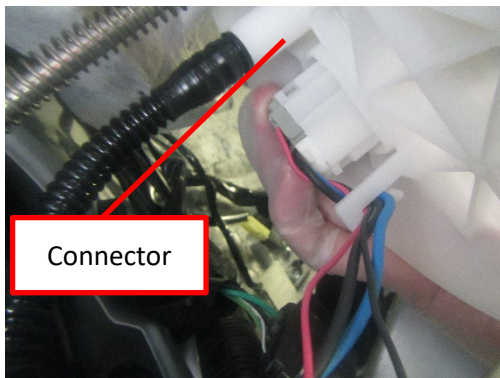


※Do not touch the sensor.

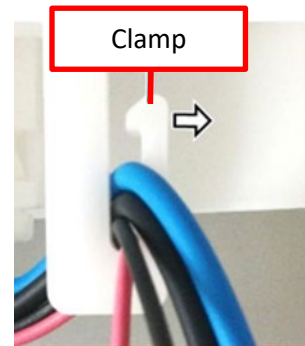


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4, Install the connector and harness from clamp.



※Image for the harness with clamp.



END OF REPAIR PROCEDURE