General Information

The EquiFlo® Inboard Fuel System allows fuel to be drawn equally from, and returned to, each tank so that their levels remain equal. The fuel tank breather allows the fuel tanks to maintain atmospheric pressure inside the fuel tanks allowing fuel to be drawn and returned to each tank equally. See Fig. 1.

A fuel tank breather tube that has become restricted (frozen, pinched, plugged, melted, etc) can result in fuel being drawn and/or returned to just one tank. Intermittent breather restrictions have been seen with frozen snow slush accumulating on the frame rail side of the fuel tanks. Indications of a problem would be one tank being low on fuel while the other has substantially more fuel, or one tank running out of fuel without notice.

A design change has been made for new production vehicles to reduce field issues, which includes shortening the breather tube and securing it to the side of the fuel tank.

If this condition occurs and an inspection of the fuel tank breather shows a restriction in the breather tube, replace the breather tube using the following instructions.
Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-25024-301</td>
<td>TUBE-NYLON REINF,3/8 BLUE,FUEL</td>
<td>20 inches</td>
</tr>
<tr>
<td>23-14232-000</td>
<td>MOUNT-CABLE TIE,WIDE,ADHESIVE</td>
<td>2</td>
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Table 1, Parts Required
Fuel Tank Breather Tube Installation For Cylindrical and Rectangular Tanks

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Shorten or replace the existing blue fuel tank breather tube as follows.
   - For cylindrical tanks, cut to a length of 12 inches (30 cm).
   - For rectangular tanks, cut to a length of 15 inches (38 cm).
3. Connect the breather tube to the breather.
   NOTE: Use the natural roll of the tube to follow the curve of the fuel tank.
4. Trim the end of the breather tube at a 45-degree angle with the tube opening facing to the rear of the fuel tank. See Fig. 2 and Fig. 3.
   NOTE: Clean the fuel tank surface with alcohol before attaching the adhesive-backed cable tie.
5. Install the adhesive-backed cable tie on the fuel tank surface approximately 2.5 inches from the end of the breather tube. See Fig. 2 and Fig. 3.
6. Use a zip tie to attach the breather tube to the adhesive-backed cable tie.
7. Repeat the installation for the fuel tank on the opposite side.

**Warranty**

This is an information bulletin only. Warranty does not apply. Contact your DSM for issues concerning this repair.