

CERTAIN 2008 MODEL YEAR ESCAPE AND MARINER VEHICLES EQUIPPED WITH AN AUTOMATIC TRANSMISSION — TRANSMISSION FLUID COOLER INSPECTION / REPAIR

OVERVIEW

In some of the affected vehicles, the transmission fluid cooler may develop a crack in the tube below the right hand (RH) mounting bracket from thermal and vibration fatigue. This may lead to a small transmission fluid leak and possible rough / harsh shifts.

Dealers are to inspect the transmission fluid cooler for a grommet and possible fluid leak below the RH mounting bracket. Based on the results of the inspection, dealers will perform one of the following service actions:

Inspection Result	Service Action
Grommet present	No further action required
Grommet <u>not</u> present and transmission fluid cooler <u>not</u> leaking	Install transmission fluid cooler mounting bracket
Grommet <u>not</u> present and transmission fluid cooler <u>leaking</u>	Install new transmission fluid cooler

INSPECTION

- Using a suitable light, look through the radiator grille and inspect the transmission fluid cooler mounting bracket for a grommet behind the mounting bolt. See Figure 1 and Figure 2.

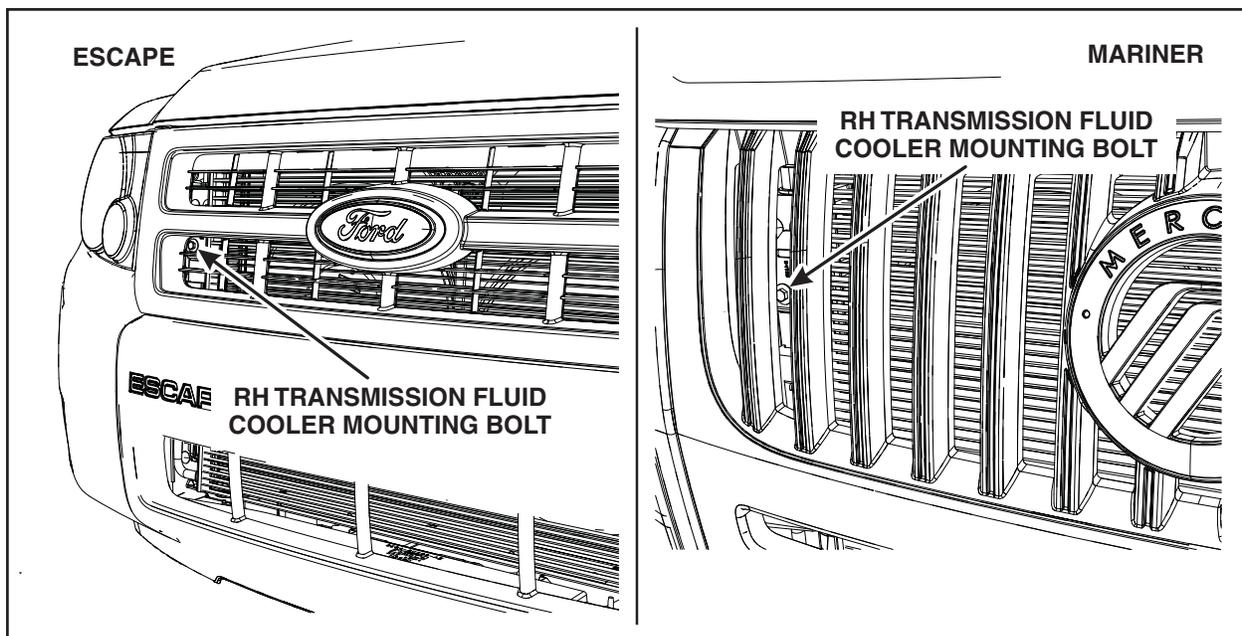


FIGURE 1



2. If the grommet **IS** present, **NO** further action is required and this procedure is complete. See Figure 2.

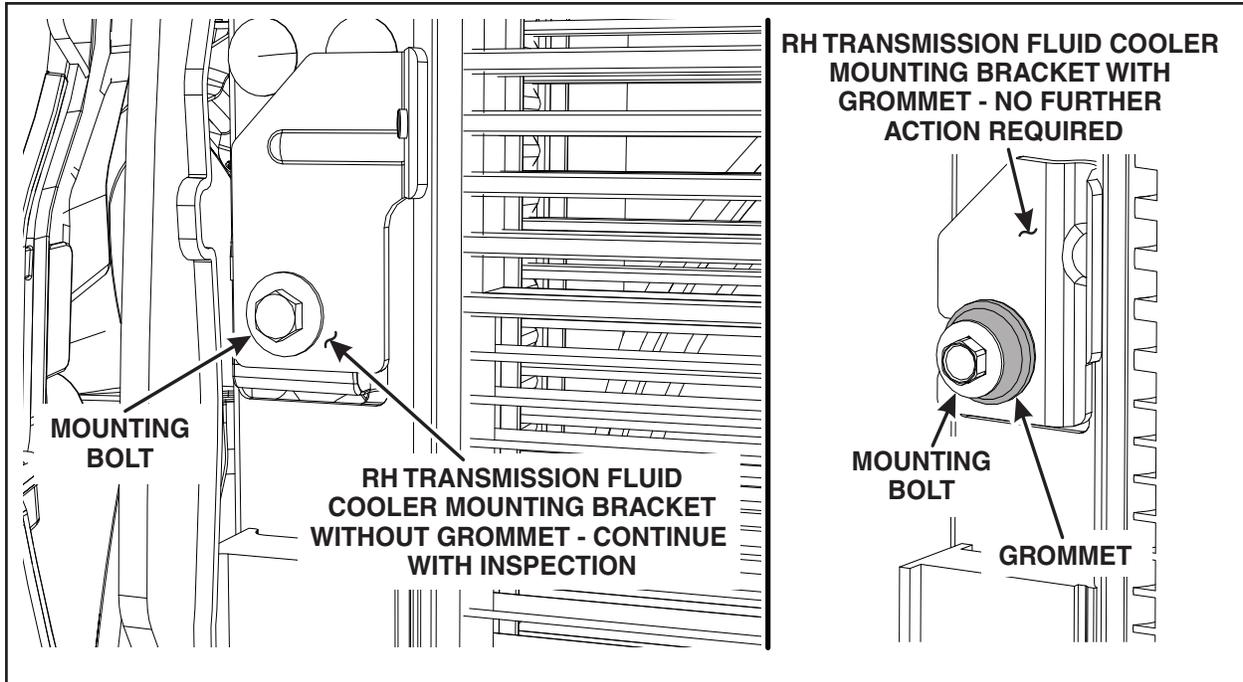


FIGURE 2



ESCAPE

3. If the grommet is **NOT** present, remove the radiator grille. See Figure 3.

- Remove the two upper grille bolts.
- Slightly tip the grille outward and remove the two lower inside grille bolts.
- Slightly tip the grille outward and remove the two lower grille speed nuts that attach the grille to the front bumper cover.
- Release the three lower grille retainers from the front bumper cover.
- Remove the radiator grille.

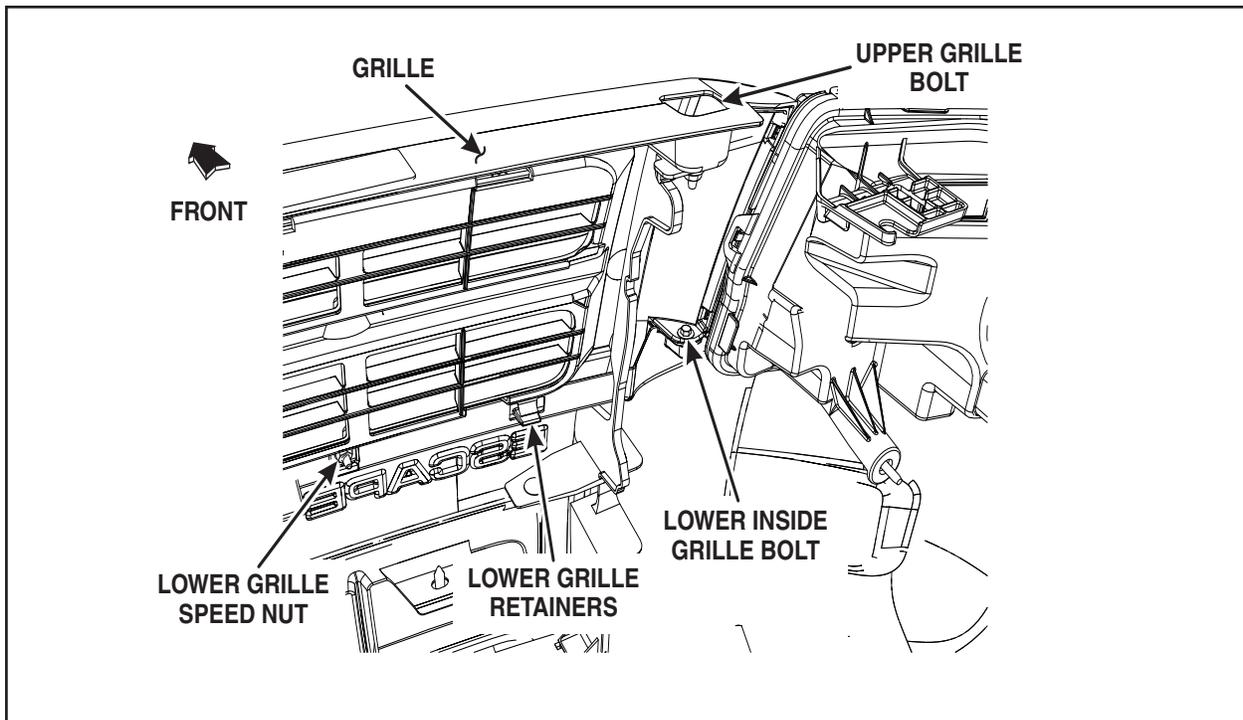


FIGURE 3

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4. If the grommet is **NOT** present, remove the front bumper cover. For additional information, refer to the Workshop Manual (WSM), Section 501-19.



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5. Using a clean white paper towel, wipe the transmission fluid cooler tube below the RH mounting bracket and check for a fluid leak. See Figure 4.

- If there is **NO** fluid leak, proceed to SERVICE PROCEDURE 1.
- If a fluid leak **IS** present, proceed to SERVICE PROCEDURE 2.

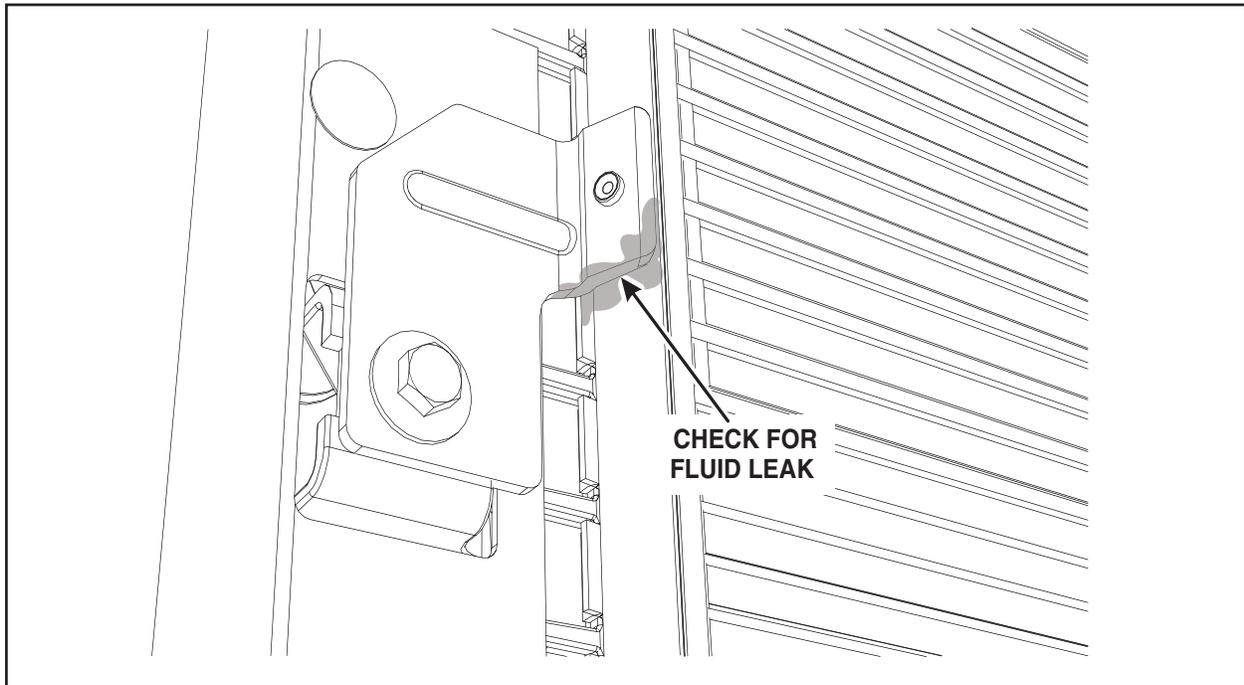


FIGURE 4



SERVICE PROCEDURE 1 — GROMMET NOT PRESENT AND TRANSMISSION FLUID COOLER NOT LEAKING

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If during the inspection there was **NO** fluid leak detected, remove the existing RH transmission fluid cooler mounting bracket and install a **new** bracket.

1. **NOTE:** It is **NOT** necessary to evacuate the A/C system or to drain any of the transmission fluid in the following Service Procedure steps.

Remove the RH and LH transmission fluid cooler mounting bracket bolts.

2. **NOTE:** When using a wood spacer, use **NO** larger than a 1" X 3" piece of wood for radiator protection. Using a larger piece of wood may damage the radiator and/or the cooler.

Place a wood spacer, no larger than 1" X 3" between the cooler RH mounting bracket and the radiator at the bracket location.

3. **NOTE:** It is recommended to use a die grinder equipped with a small cutting wheel. Do not use a body reciprocating saw or a Sawzall® to remove the bracket. Using this type of cutting tool may cause damage to the radiator and/or the cooler.

NOTE: Place a protective cover over the front bumper cover to prevent any damage when removing the RH mounting bracket.

Using a suitable tool, cut the existing RH mounting bracket off of the transmission fluid cooler tube and smooth any sharp edges using a Scotch-Brite™ pad or equivalent. See Figure 5.

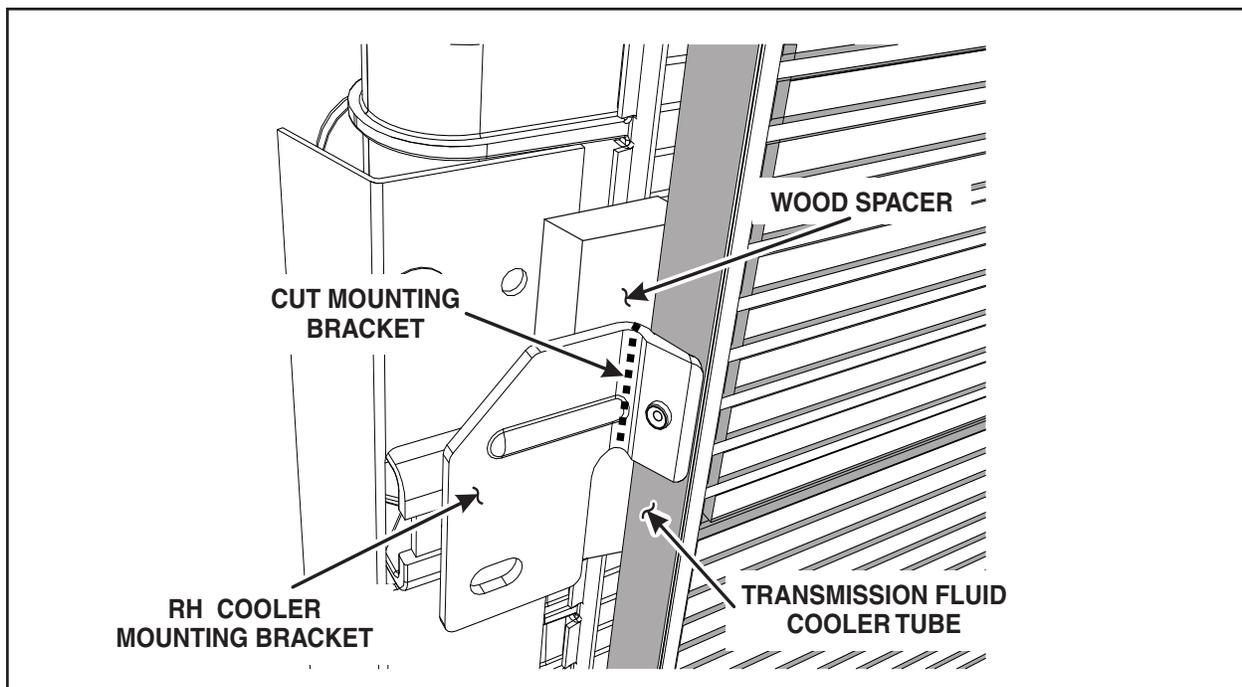


FIGURE 5



4. Install the **new** mounting bracket. See Figure 6.

- Install the **new** mounting bracket onto the A/C line upper block with the longer piece of the bracket flush with the radiator support.
- Tighten the clamping bolt to 25 Nm (18 lb-ft).
- Using the same RH mounting location, install and tighten the iso-mount bolt to 6 Nm (53 lb-in).
- Reinstall and tighten the LH transmission fluid cooler mounting bracket bolt to 7 Nm (62 lb-in).

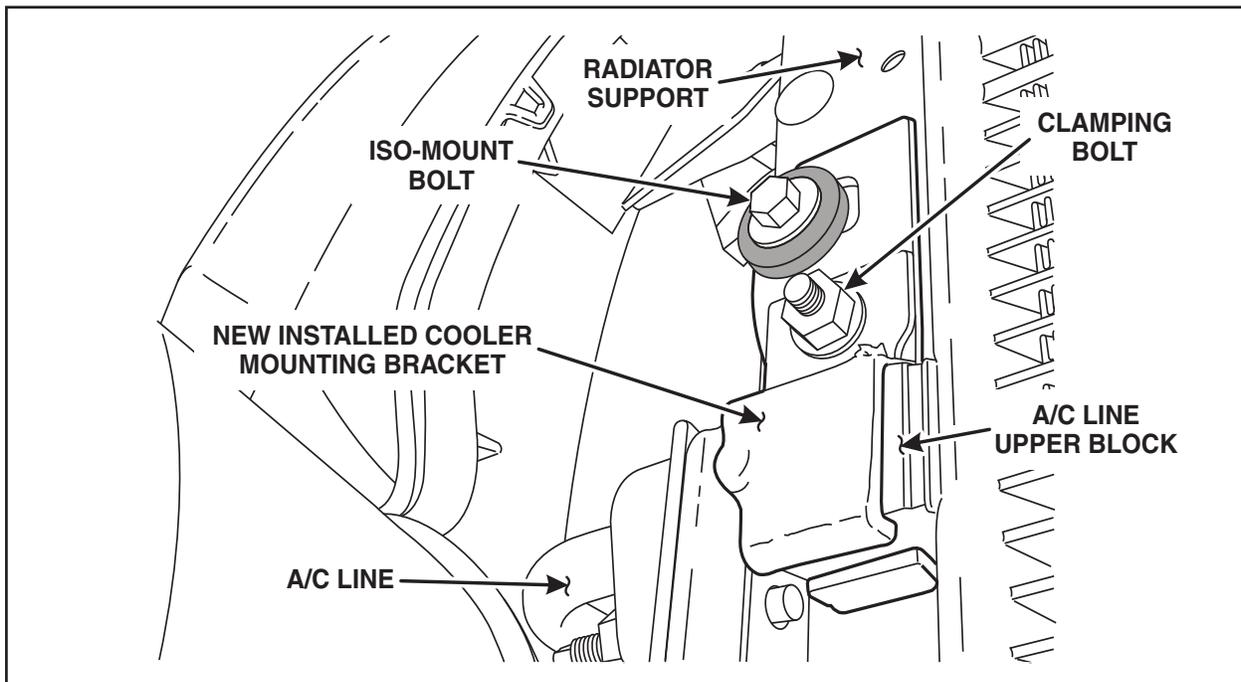


FIGURE 6

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5. Install the radiator grille. See Figure 3.

- Attach the three lower grille retainers to the front bumper cover by pushing the grille into the bumper cover. Make sure that all three grille retainers make an audible click when attaching to the bumper cover.
- Hand-tighten the two lower grille speed nuts until the speed nuts are snug.
- Hand-tighten the two lower inside grille bolts until the bolts are snug.
- Tighten the two upper grille bolts to 8 Nm (71 lb-in).

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6. Install the front bumper cover. For additional information, refer to the WSM, Section 501-19.



SERVICE PROCEDURE 2 — GROMMET NOT PRESENT AND TRANSMISSION FLUID COOLER LEAKING

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1. **NOTE:** On Escape, it will be necessary to remove the remaining front bumper cover for the transmission fluid cooler replacement.

If during the inspection there **WAS** a fluid leak, replace the transmission fluid cooler. For additional information, refer to the WSM, Section 307-02A.

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2. Install the radiator grille onto the bumper cover. See Figure 3.
 - Attach the three lower grille retainers to the front bumper cover by pushing the grille into the bumper cover. Make sure that all three grille retainers make an audible click when attaching to the bumper cover.
 - Hand-tighten the two lower grille speed nuts until the speed nuts are snug.
 - Hand-tighten the two lower inside grille bolts until the bolts are snug.
3. Install the front bumper cover. For additional information, refer to the WSM, Section 501-19.
 - Tighten the two upper grille bolts to 8 Nm (71 lb-in).

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4. Install the front bumper cover. For additional information, refer to the WSM, Section 501-19.

