SUBJECT: Steering Wheel Returnability

OVERVIEW: This bulletin involves installing an external power steering cooler and replacing both power steering return lines.

MODELS:

- 2009 (LX) 300/300C/Charger/SRT
- 2009 (LC) Challenger/SRT

NOTE: This applies to all 2009 LC and LX vehicles.

SYMPTOM/CONDITION: After completing a turn the customer may experience a steering wheel that does not return to center on its own.

DIAGNOSIS: If the above condition is present and determined, perform the Repair Procedure.

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (AR)</td>
<td>05137721AA</td>
<td>Cooler, Power Steering (Non-SRT)</td>
</tr>
<tr>
<td>1 (AR)</td>
<td>68017995AA</td>
<td>Cooler, Power Steering (SRT Only)</td>
</tr>
<tr>
<td>1 (AR)</td>
<td>68067354AB</td>
<td>Hose, Power Steering Return (AWD Only)</td>
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<tr>
<td>1 (AR)</td>
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<td>Hose, Power Steering Return (SRT, 2.7L, 3.5L RWD Only)</td>
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<td>1 (AR)</td>
<td>04782362AC</td>
<td>Hose, Cooler to Reservoir (Non-SRT)</td>
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<td>1 (AR)</td>
<td>04854545AA</td>
<td>Hose, Cooler to Reservoir (SRT Only)</td>
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<td>1 (AR)</td>
<td>68066627AB</td>
<td>Hose, Power Steering Return (5.7L RWD Only)</td>
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<td>2</td>
<td>05137778AC</td>
<td>Retainer Package, Power Steering Cooler</td>
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<tr>
<td>6</td>
<td>6504737</td>
<td>Rivets, Plastic</td>
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</table>
SPECIAL TOOLS / EQUIPMENT REQUIRED:

<table>
<thead>
<tr>
<th>Tool</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-4207A</td>
<td>Hand Vacuum Pump or equivalent</td>
</tr>
<tr>
<td>9688 or 9688A</td>
<td>Power Steering Cap Adaptor</td>
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REPAIR PROCEDURE - ENHANCE POWER STEERING COOLER

1. Remove the Front Fascia. Refer to the detailed removal procedures available in DealerCONNECT > TechCONNECT under: Service Info > 23 - Body > Frame and Bumpers > Bumpers > Fascia, Front > Removal.
2. If this vehicle is a:
   a. LC proceed to Step #3
   b. LX proceed to Step #4
3. Remove the Front Air Dam. Refer to the detailed removal procedures available in DealerCONNECT > TechCONNECT under: Service Info > 23 - Body > 13 - Frame and Bumpers > Bumpers > AIR DAM, Front > Removal.
5. Remove the left and right cooler baffles (Fig. 1).

![Fig. 1 BAFFLE (Right Side Shown)](image)

1. Right Baffle
2. Tri-Cooler

NOTE: LX vehicles only

NOTE: In the following step do not remove any air conditioning hoses

6. Remove (4) Condenser mount screws and tilt the assembly forward. As shown in DealerCONNECT > TechCONNECT under: Service info > 24 - Heating and Air Conditioning/Plumbing/CONDENSER, A/C - Removal > Step 10.
7. Remove the power steering return line hose and cooler clamp from the cooler. As shown in DealerCONNECT> TechCONNECT under: Service info > 24 - Heating and Air Conditioning/Plumbing/CONDENSER, A/C - Removal> Step 5 number 10.

8. Loosen the return line nut at the power steering rack. As shown in DealerCONNECT> TechCONNECT under: Service info > 19 - Steering > Pump > HOSE, Power Steering, Return > Removal > GEAR TO COOLER > Step 7.

9. Is this vehicle a SRT:
   a. Yes>> Proceed to Step #11.
   b. No>> Proceed to Step #10 and skip Step #11.

10. For all models except SRT: Using both cooler mounting clips, center the new power steering cooler (p/n 05137721AA) and mount between fins 6 and 7 from the top of the condenser edge (Fig. 2).

![Fig. 2 POWER STEERING COOLER](image)

1 - Power Steering Return Hose  
2 - Power Steering To Reservoir Hose  
3 - Power Steering Cooler  
4 - Tri-cooler  
5 - First Cooler Fin

NOTE: All models except SRT
11. For SRT vehicles only: Using both cooler mounting clips, center the new power steering cooler (68017995AA) and mount between fins 11 and 12 from the top of the condenser edge (Fig. 3).

![Fig. 3 SRT POWER STEERING COOLER](image)

**Fig. 3 SRT POWER STEERING COOLER**

1 - SRT Power Steering Cooler  
2 - First Cooler Fin  
3 - Power Steering Cooler Mounting Location  
4 - Cooler Fins 11 and 12

**NOTE: SRT only**

12. Reinstall all (4) mounting screws for the cooler.

**NOTE: Verify the machine screw is used on the aluminum A/C block on the top right, SRT models do not apply.**

13. Remove the Air Box. Refer to the detailed removal procedures available in DealerCONNECT> TechCONNECT under: Service info > 9 - Engine > Air Intake System > Body, Air Cleaner > Removal.

14. Siphon power steering fluid from pump reservoir.
15. Remove the power steering return hose connected to the steering reservoir and using a safety regulated rubber tipped blow gun, extract the remaining power steering fluid in the tri-cooler at 5 psi (Fig. 4).

![Fig. 4 FLUSH THE FLUID](image)

1 - Existing Cooler To Reservoir Hose
2 - Safety Regulated Rubber Tipped Blow Gun
3 - Tri-cooler

16. Remove the return hose from the cooler and discard.

17. Install new cooler to reservoir hose. Refer to the detailed Installation procedures available in DealerCONNECT > TechCONNECT under: Service Info > 19 - Steering > Pump > HOSE, Power Steering, Return > Installation > COOLER TO RESERVOIR.

**NOTE:** Keep the black inlet and outlet protective boots from the cooler they will be used in Step #19.

18. Install new power steering gear to cooler hose. Refer to the detailed Installation procedures available in DealerCONNECT > TechCONNECT under: Service Info > 19 - Steering > Pump > HOSE, Power Steering, Return > Installation > GEAR TO COOLER.
19. Install the black protective boots on the old inlet and outlet ports of the power steering cooler and secure them with zip ties as shown in (Fig. 5).

![Fig. 5 BOOT COVER](image)

1 - Protective Boot
2 - Zip-tie
3 - Tri-cooler

20. Bleed and fill power steering system as required. Refer to the detailed procedures available in DealerCONNECT > TechCONNECT under: Service Info > 19 - Steering > Standard Procedure > Power Steering System Bleeding.

21. For LX vehicles only: Re-install the cooler baffles on the left and right side (Fig. 1).

22. For LC vehicles only: Install the Front Air Dam. Refer to the detailed removal procedures available in DealerCONNECT > TechCONNECT under: Service Info > 23 - Body > 13 - Frame and Bumpers > Bumpers > AIR DAM, Front > Installation.

23. Install the Front Fascia. Refer to the detailed removal procedures available in DealerCONNECT > TechCONNECT under: Service Info > 23 - Body > Frames and Bumpers > Fascia, Front > Installation.

24. Install the Belly pan. Refer to the detailed installation procedures available in DealerCONNECT > TechCONNECT under: Service Info > 23 - Body > Exterior > BELLY PAN > Installation).

**POLICY:**
Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

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<tr>
<td>19-50-20-90</td>
<td>Cooler, Power Steering, Install (LC Models only) (B)</td>
<td>1.1 Hrs</td>
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<td>19-50-20-91</td>
<td>Cooler, Power Steering, Install (LX Vehicles Only) (B)</td>
<td>1.3 Hrs</td>
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**FAILURE CODE:**

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<tr>
<th>ZZ</th>
<th>Service Action</th>
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