



**DTB**

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Order No.: S-B-46.30/40b  
Supersedes: P-B-46.30/40a dated Nov. 27, 2007  
Group: 46

**Revision History**

Revision	Date	Purpose
b	11/26/08	Applicable Models Updated (Page 2 Chart)
a	11/27/07	WIS Document Information Updated
-	4/26/06	Initial issue

**SUBJECT: All Passenger and Light Truck Models**  
**Flow Noises from Area of Power Steering Pump and/or Foaming of Power Steering Oil in Reservoir**

If you receive customer reports in the above model vehicles of flow noises from the area of the power steering pump, and/or foaming of the power steering fluid in the reservoir following work carried out on the hydraulic steering system; this may be caused by an improper procedure followed for filling fluid and bleeding of the hydraulic power steering system.

To remedy, it is absolutely necessary to make sure that the procedure described in the WIS documents is strictly adhered to. In particular, it is necessary to turn the steering to full lock-to-lock at least 30 times **BEFORE STARTING THE ENGINE**. If this is not done prior to starting engine, there is a high risk of air entering the steering system, which is subsequently very difficult to eliminate.

**i** **Note:** Starting the engine prior to bleeding can cause irreparable damage to the power steering pump and will cause an air cushion to form in the steering gear which causes noise. Once the air is ingested, the ingested air will only dissipate after driving the vehicle for more than 30 miles.

Refer to the chart on Page 2 for the correct WIS document reference for the proper filling and bleeding procedure of the power steering pump.

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<b>WIS DOCUMENT</b>	<b>TITLE</b>	<b>VALIDITY</b>
AR46.30-P-0010A	Power Steering Pump – Filling & Bleeding	Model 129 Model 140 Model 170.447/449 Model 202.022/023/024
AR46.30-P-0010B	Power Steering Pump – Filling & Bleeding	Model 129.068 Model 163 Model 170.465 Model 202.029/033 Model 208.365/370/374/465/470 Model 210, 220 Guard Model 220 without ABC
AR46.30-P-0010N	Power Steering Pump – Filling & Bleeding	Models 215, 220 with ABC Model 230
AR46.30-P-0010P	Power Steering Pump – Filling & Bleeding	Model 203.0XX/2XX/7XX (except with level control, Code 480) Model 209 Model 211.022/065/070/076/082/083/265/276/282/283
AR46.30-P-0010PV	Power Steering Pump – Filling & Bleeding	Models 203.281/284 (with level control, Code 480)
AR46.30-P-0010SLR	Power Steering Pump – Filling & Bleeding	Model 199
AR46.30-P-0010SX	Fill power steering pump and bleed	Model 221, 216
AR46.30-P-0010T	Power Steering Pump – Filling & Bleeding	Model 211.026
AR46.30-P-0010TS	Power Steering Pump – Filling & Bleeding	Model 211.056/072/077/087/090/256/277/287
AR46.30-P-0010V	Power Steering Pump – Filling & Bleeding	Model 171
AR46.30-P-0010TY	Fill power steering pump and bleed	Model 219.375/376/377
AR46.30-P-0010TX	Fill power steering pump and bleed	Model 219.372
AR46.30-P-0010GZ	Fill power steering pump and bleed	Model 164
AR46.30-P-0010CW	Fill power steering pump and bleed	Model 204
AR46.30-P-0010RT	Fill power steering pump and bleed	Model 251