

## **CADILLAC 8L45-8L90**

### **FRONT WHEEL AREA NOISE**

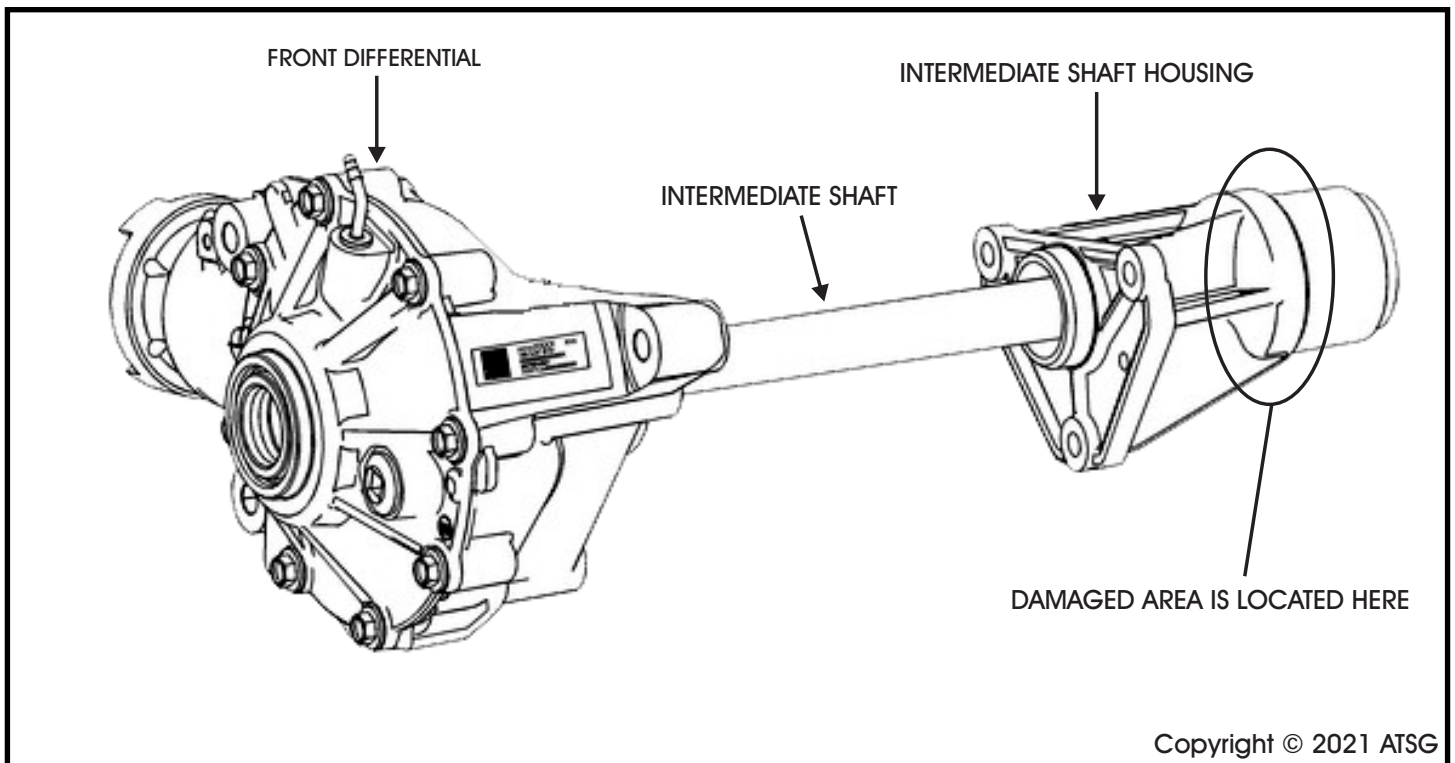
**COMPLAINT:** 2017 to 2019 Cadillac ATS, 2017 to 2019 Cadillac CTS and 2016 to 2020 Cadillac CT6 models equipped with the 8L45 or 8L90 transmission and the Borg Warner 4474 transfer case may have a complaint of a whining, whistling, squeaking or groaning noise coming from the front wheel area at maneuvering speeds of up to 40 mph (65 kph).

**CAUSE:** The front differential intermediate shaft has developed an interference fit with the front intermediate shaft housing bushing, refer to figure 1 for problem area location. The end of the front intermediate shaft that enters the front intermediate shaft housing has worn into the bushing, refer to figure 2, located in the housing and has caused fretting of the intermediate shaft, see figure 3.

**CORRECTION:** Replace the front intermediate shaft and the front intermediate shaft housing.

**Service Information:**

ATS/CTS Front Intermediate Shaft.....	22772313
CT6 Front Intermediate Shaft.....	23269757
ATS/CTS with 2.0L Engine Intermediate Shaft Housing.....	84098259
ATS/CTS with 3.6L Engine Intermediate Shaft Housing.....	84098258
CT6 with 3.0L or 3.6L Engine Intermediate Shaft Housing.....	84056149
CT6 with 4.2L Engine Intermediate Shaft Housing.....	84266221



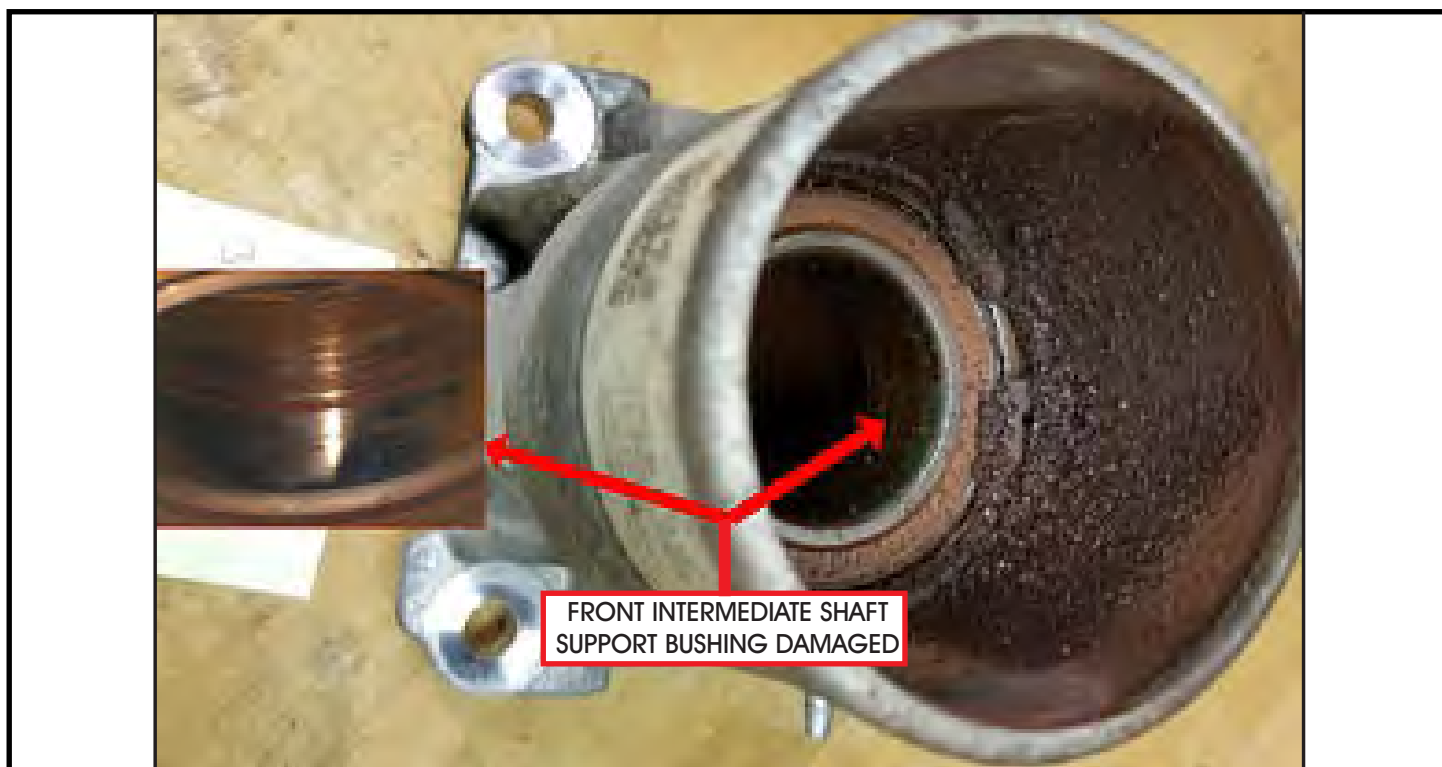
Copyright © 2021 ATSG

**Figure 1**

**CADILLAC 8L45-8L90**  
**FRONT WHEEL AREA NOISE**



**Figure 2**



**Figure 3**  
**AUTOMATIC TRANSMISSION SERVICE GROUP**