



Packard

SERVICE TECHNICAL

Bulletin

TO: Zones and Dealers

53T-9

Dealer 7

March 23, 1953

SUBJECT: NOISY POWER STEERING PUMPS - 26th Series

A number of power steering pumps, reported as being noisy, have been returned to the Factory for credit.

Upon testing these pumps, the majority of them operated perfectly quiet. Some of them were installed on new cars and still operated perfectly quiet, which proves that most of the pumps should not have been replaced.

In some cases, the jarring of the pump or removing some of the attaching parts when replacing the pump has corrected the noise. Occasionally new pumps that are noisy will wear in after a few hundred miles of driving and become quiet.

We are listing for your ready reference a number of items that may cause the pump to be noisy, and suggest that they be checked thoroughly before condemning the pump as faulty.

	<u>Possible Cause</u>	<u>Correction</u>
1. NOISY PUMP, or pump being blamed for the noise.	a. Belt tension too loose or too tight. b. Defective belt or foreign substance on belt. c. Water pump noisy. d. Fluid level in reservoir very low. e. Loose return hose connection. f. Pressure hose restricted with foreign material. g. Pressure hose striking or rubbing chassis. h. Gurgling noise inside reservoir tank.	a. Adjust properly with torque wrench (26 to 28 ft. lbs.) b. Replace c. Add anti-rust oil or recondition. d. Refill. Check for leakage. e. Tighten f. Blow out with compressed air from reverse end, or replace. g. Relocate h. Loose filter or loose mounting stud. Retighten.

	<u>Possible Cause</u>	<u>Correction</u>
(Noisy Pump)	i. Control valve on linkage out of adjustment.	i. Adjust control valve.
	j. Sticking or chattering flow control valve.	j. Tap housing with soft hammer to free. Remove valve and stone burrs and nicks.
	k. Wheels held too long at stops (overheating pump)	k. Do not hold at stops any longer than necessary.
	l. Pump pulley loose.	l. Tighten or replace.
	m. Pump pulley. High pitch noise at high pump RPM.	m. Change to cast iron pulley.
	n. Mechanical trouble in pump, such as bad bearing or insufficient rotor clearance, etc.	n. Recondition

Very truly yours,


J. A. Carr
General Service Manager

JAC:kb