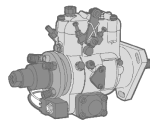


STANADYNE[®]
Diesel Systems


SERVICE BULLETIN

**LIMITED
DISTRIBUTION**
DATE: November 19, 1999
SUPERSEDES S.B. 484R4 dated 8/10/95

LIMITED DISTRIBUTION – GENERAL MOTORS

PUMP MODELS AFFECTED: DB2 – 4355, 4440, 4471, 4523, 4524, 4847, 4848, 4878, 4879, 4911, 4927, 4970, 4971, 5079, 5088, 5089, 5119, 5129, 5149, 5157

**SUBJECT: HOT ENGINE RESTART COMPLAINTS –
GM 6.2L AND 6.5L DB2 EQUIPPED APPLICATIONS**

Some pre-1994 GM 6.2L and 6.5L DB2 applications with the affected pump models, may experience a hot engine restart condition. This problem exists particularly in areas where ambient temperatures are high and generally following an engine shutdown period of approximately 15-30 minutes. To address this issue, Stanadyne has implemented design changes to the hydraulic head assembly which improve cranking efficiency with hot and/or low viscosity fuel. The hydraulic head and rotor assemblies originally used on these applications have been superseded as outlined in the table below.

Pump Model Number	Serial Number Break*	Original Head and Rotor	Superseded by Head and Rotor
4911, 4927, 4970, 4971, 5079,	7768648	29124	31506
4355, 4440, 4471, 4523, 4524, 4847,	7539307	23122 or 28396	31816
4879	8064583		

* Pumps built after, and including, the given serial number are equipped with the new design hydraulic head and rotor assembly.

Should you receive one of the affected pump models with a complaint of hot engine restart, and no other reason for the condition is found, hot engine restartability may be improved by installing a hydraulic head and rotor assembly of the latest design. The hydraulic head and rotor assembly change is to be made at the customers expense, do not submit warranty claims to Stanadyne for this repair.

**Technical Support Group
Product Support Department**