

NO: 05-05-99

SUBJECT: Match Mounting of Brake Rotors

DATE: June 18, 1999

DISCUSSION:

Effective April 1, 1999 (MDH 0401XX) brake rotors are now being match mounted to the hub/ bearing assembly. This was implemented to reduce brake pedal pulsation, which can be caused by rotor and/or hub/bearing lateral run out. The parts come into the assembly plant marked with yellow dots. A yellow dot on the end of the bearing stud marks the high point of the bearing/ hub and a yellow dot on the ring in the center of the rotor marks the low point of the rotor run out. The yellow dots are matched at assembly to minimize the lateral run out.

Whenever service is performed requiring rotor removal, it is recommended that this procedure be followed. In situations where yellow dots are not visible due to mileage accumulation, mark the rotor relative to a bearing stud and assemble the rotor in its original position. It is also recommended that on vehicles built prior to April 1, 1999, that the procedure outlined in Technical Service Bulletin Number 05-02-99 for match mounting be followed. In this procedure, the rotor run out is measured with a dial indicator and the rotor position is changed on the hub to obtain the lowest lateral run out reading.

POLICY: Information Only