



# SERVICE BULLETIN

LIMITED  
DISTRIBUTION

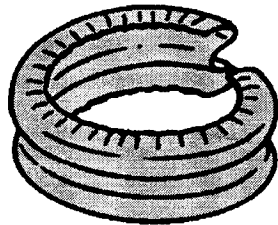
DATE: March 29, 1996

## LIMITED DISTRIBUTION — GENERAL MOTORS

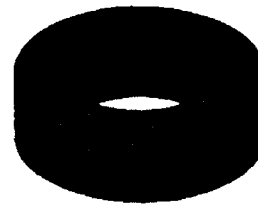
### SUBJECT: ENCODER SENSOR SPACER WASHER CHANGE

The material of the DS Pump Encoder Sensor spacer washer has changed.

The previous washer, P/N 30579 which was made from steel, has now been replaced with a square cut elastomer washer, P/N 32894, as pictured below in the illustration.



Previous - P/N 30579



Current - P/N 32894

The purpose of these spacer washers is to create friction between the encoder sensor and the cam ring, thereby allowing the sensor to be moved in relationship to the cam ring during pump calibration.

The two washers are interchangeable and the contents of gasket kit 31377 has recently been changed to remove P/N 30579 and add P/N 32894.

Use of washer 32894 is essentially the same as the previous steel washer except that Sensor Gap Setting Tool, P/N 31366, is no longer needed when using the rubber spacer washer. Instead, tighten the Encoder Sensor Locking Screw down to 3-5 lbf-inches (0.4 - 0.55 N.m) to achieve the necessary friction between the sensor and the cam ring during pump calibration. NOTE: The final Encoder Sensor Locking Screw torque value remains the same at 190-210 lbf.-inches (21-24 N.m)

An advantage to the new rubber spacer washer is that it may be reused after torquing the Encoder Sensor Locking Screw if fuel delivery needs to be

readjusted. It should, however, be replaced during pump overhauls and is included in the DS pump gasket kit for this purpose.

Parts Bulletin 193 should be annotated with this part number change.

**Technical Support Group  
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