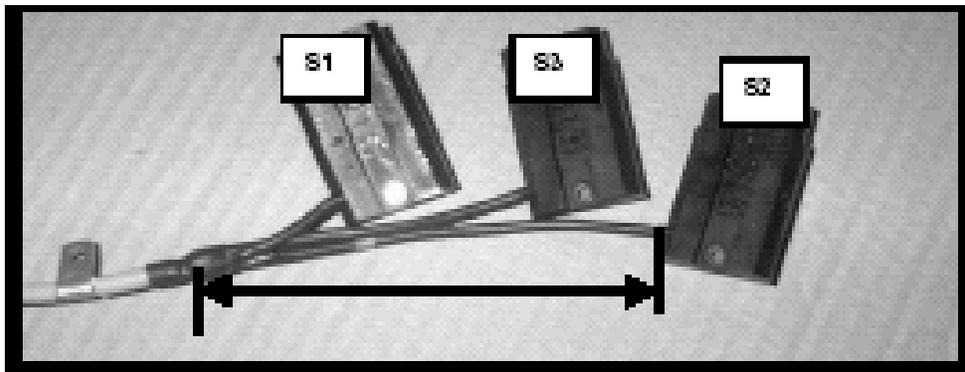


Rotary and Sierra**HPM Motor Hall Effect Sensor
Replacement Work Instruction**

The length of the new hall effect sensor kit is designed to work on all of the Nirvana HPM motors A, B, C, D1 and D2 when installed correctly.

	Length of old	Length of new
S1	160mm	35mm
S2	260mm	130mm
S3	90mm	90mm



The illustration is of the new hall effect sensor kit:

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125hp to 200hp motors

50hp to 100hp motors



When the new hall effect sensor kits are installed, the sensors will need to be placed in the order that is shown in the illustration above. The ground was previously mounted to the S3 sensor.

For the installation of the new hall effect sensor kits, the ground will need to be placed on the S1 sensor as illustrated in the picture above.

Note: The sensors will mount either right or left side of the Nirvana motor depending on the motor's type. The sensors mounting order will also depend on the motor type. Refer to picture for correct sensor order.

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Sensor Removal

Turn power off and lockout disconnect

Disconnect sensor connector from control board and cable gland connector from PDM / Starter Box

Remove exterior sheet metal to access HPM motor

Remove motor rear intake grill and cover

Remove the three 6mm torx screws

Slide sensors from coil

Sensor Installation

Slide sensors into coil, in the order that is illustrated in the picture and align holes in sensors with screw holes for fastening in the stator housing.

Insert screws into sensors and to be certain to mount the ground for the sensors to the S1 sensor.

Reroute sensors cable back to drive control board and connect.

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