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Performance Standards!"*

Starting Line Products, Inc.

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Power Dome™ Billet Heads for 2005-06 Polaris 900

Kit Contents:

- 1 - Head Cover
- 2 - Combustion Chamber Inserts
- 2 - Small O-Rings
- 1 - 5/16" Flat Washer
- 1 - 5/16" Hose Cap
- 2 - Zip Ties

NOTE: The heads do not require any modification to the ECU

Fuel Requirement: 91 octane pump fuel minimum.

Installation Instructions

It is important to read these instructions in full before attempting to install SLP Billet Heads. Failure to follow these instructions in full could cause performance loss or engine damage.

1. Drain antifreeze from engine block.
2. Disconnect coolant lines and temperature sender wire and fuel rail support from the rear of the head.
3. Remove the throttle body coolant line from the coolant bottle. Cap off the coolant bottle with the supplied 5/16" hose cap and secure using the provided zip tie.
NOTE: Coolant lines to and from the throttle body can be removed they will not be used with the SLP head.
4. Remove stock cylinder head. Retain inner and outer o-rings in cylinders.
5. Remove front water neck, thermostat, water temperature sender, and DET sensor from the underside of the head.
 - 5a. Install all parts removed in step 5 on SLP head cover, install 5/16" flat washer under the head of the DET sensor bolt (see illustration). Torque DET sensor to 12 ft/lbs. (do not overtighten) and water temp sensor to 29 ft/lbs.
6. Insure that cylinder surface is clean and o-rings remain in grooves. Place small o-rings onto the top of the combustion chamber inserts. Install spark plug into the chamber inserts and place inserts into the SLP head cover. Align the head cover and inserts over the cylinders. Install cover bolts and torque to 22 ft/lbs (see torque sequence illustration).

7. Connect coolant lines and temperature sender wire.
 8. Fill coolant to proper level and bleed cooling system.
 9. Start engine and inspect for coolant leaks.
- Note: Periodically check head for proper torque.

Head Set	Altitude	Compression Ratio
12-901	0-5000'	12.7 to 1
12-902	5000' +	13.2 to 1

Torque Sequence ILLUSTRATION
22 ft/lbs

