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Performance Standards!"*

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Power Dome™ Billet Heads for 2008-10 Polaris 800 CFI

Kit Contents:

- 1 - Head Cover
- 2 - Combustion Chamber Inserts

NOTE: These heads require the use of a DynoJet PCV fuel controller with SLP's pre-programmed Stage 3 kit map. SLP's Stage 3 kit consists of SLP High Flow™ Intake Kit (PN 14-140), SLP Single Pipe Kit (PN 09-878 or 09-888), SLP Power Dome™ Billet Heads and DynoJet Power Commander V with SLP Stage 3 map. V-Force 3 Reed Valves (PN 22-158) and SLP Powder Valves™ (PN 14-132) can be optionally added to this package. Any other combination of parts will require different fuel mapping in the PCV, and the customer will be personally responsible to create their own fuel map.

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, water neck, temperature sender wire and DET Sensor wire.
 3. Remove stock cylinder head. Retain inner and outer o-rings in cylinders.
 4. Remove thermostat, water temperature sender, bypass nozzle or plug, DET sensor from the underside of the head and throttle body nozzle.
 5. Install all parts removed in step 4 on SLP head cover. **Torque DET sensor to 12 ft/lbs.** (do not overtighten as DET sensor damage will occur). Torque 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 25ft/lbs (see torque sequence illustration).
 7. Install the thermostat into the head as shown in illustration #1.
- IMPORTANT NOTE:** Check the thermostat bleed hole to insure that it is not obstructed in any way the bleed hole needs to be open (see illustration #2).
8. Connect coolant lines, temperature sender and DET Sensor wires.
 9. Fill coolant to proper level and bleed cooling system.
 10. Start engine and inspect for coolant leaks.

Note: Periodically check head for proper torque.

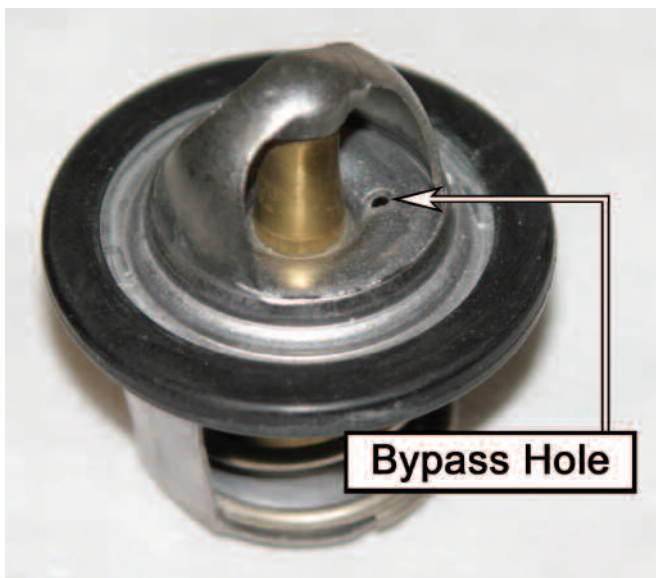
Compression Ratios for 2008-10 Polaris 800 CFI

Head Set	Altitude	Compression Ratio
12-394	0-6000'	13.3 to 1
12-395	6000'+	13.8 to 1

Torque Sequence ILLUSTRATION #1 25 ft/lbs



ILLUSTRATION #2



Important Note: DET sensor must be torqued to 12 ft/lbs. Over torquing the DET sensor will damage it.

Water temp sensor recommended torque is 29 ft/lbs.