



“Setting the World’s Performance Standards”

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## Power Dome™ Billet Heads for 2018-19 Arctic Cat 8000

### Kit Contents:

2 - Spark Plug O-Rings (Part# 12-8002)

2 - SLP Domes (See Chart) →

1 - SLP Water Cover (Part# 12-8001)

Combustion Chamber Insert (Dome) Part #	Altitude
12-801	0-5000' (0-1525m)
12-800	5000'+ (1526m +)

### Head Removal / Installation

**Step 1.** Disconnect exhaust temperature sensor.

**Step 2.** Remove the expansion chamber and resonator, account for the springs, and then remove the y-pipe.

**Step 3.** Drain the engine coolant.

**Step 4.** Remove the cap screws securing the cylinder head, then lift the front of the head and remove the O-ring.

**Step 5.** Carefully lift and turn the cylinder head to gain access to the hose clamp securing the coolant hose to the cylinder head. Loosen the clamp and remove the coolant hose and breather hose connected to the cylinder head.

**Step 6.** Re-install in reverse order.

**Step 7.** Torque the cap screws securing the cylinder head in a 2-step patten. First torque them to **13 ft/lbs** in a cross patten, then to **25 ft/lbs** in the same cross patten (see illustration below).

**This kit must be used with SLP pre-programmed Power Commander PC V. SLP Part #70-199 with SLP Part #70-296 or #70-297 fuel map. This Pre-programmed fuel map is compatible with the SLP Power Dome Billet Head Set, Single Pipe, Intake Kit (optional) and V-Force 3 Reeds (optional). Other modifications not recommended.**

### -Fuel Requirements:

- 91 Octane minimum

-Non-Ethanol Fuels: Use SLP Map Part #70-296

-Ethanol Fuels: Use SLP Map Part# 70-297

**Important Note: Knock sensor must be torqued to 18 ft/lbs (16 Nm). Over torquing the Knock sensor will damage it.**

**Spark Plugs recommended torque is 18 ft/lbs (39 Nm).**

