



PRODUCT NUMBER
H1-PER-211

EQUALIZER INSTRUCTION MANUAL

Congratulations on the purchase of your new accessory by Predator. As with all products, proper installation is the key to obtaining all of the benefits your accessory is capable of delivering. Please take a few minutes to read through the instructions to identify the components and learn where and how they are used. It is a good idea to start by comparing the parts in your kit with the parts list below. Be sure to take all applicable safety precautions during the installation of this product.

Parts List	Quantity	Tools Required	
Equalizer Head Cooling Assembly	1	• 3/8" Drill Bit	• Drill
Head Gaskets	2	• Allen Wrench Set	• Teflon Tape
Head Bolts	4	• 1/2" Wrench	• 15mm Wrench
Manifold Assembly	1	• Flat Head Driver	• Coolant
Hose Clamp	1		
Equalizer Mounting Bolts/Nuts/Washers	2		

Installation Process

Note:

Make sure engine is cool to touch before starting installation. Severe burns may occur otherwise.

Step 1.

Remove Dog House Panel and engine access panel.

Step 2.

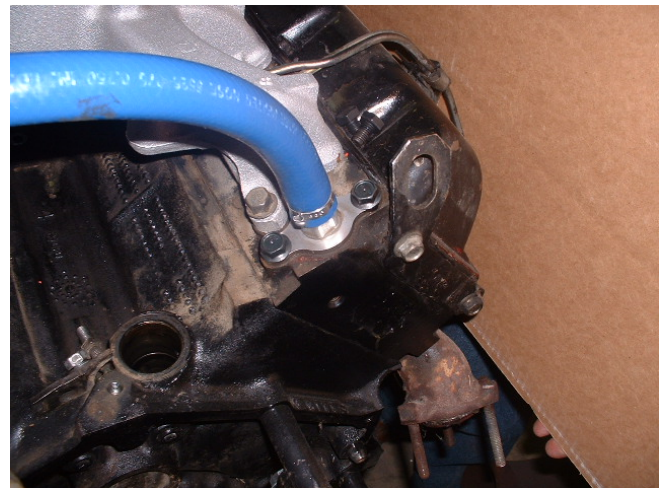
Drain the cooling system down far enough to allow removal of the Heater Hose line from the passengers side coolant crossover manifold and rear mounted coolant outlet covers.

Step 3.

Remove the two coolant-port outlet cover caps located at the rear of the cylinder head, just behind the intake manifold on each side. The coolant port cover cap on the driver-side is just under the glow plug relay, which must be removed first.

Step 4.

Remove the Heater line from the passengers side of the crossover manifold.



Step 5.

Thoroughly clean any remaining gasket material from the 2 coolant outlet-mounting surfaces located on the back side of the engine.

Step 6.

Lay the Equalizer system in place on the engine. Note: the shorter line routes to the passenger side head. Using the supplied bolts and gaskets, install the gasket and secure the hose-flange to the coolant ports.

Step 7.

Remove the two nipples from the supplied manifold assembly. Remove the elbow from the "T" fitting and wrap with Teflon tape or Teflon thread sealant. Reassemble elbow to "T". Wrap "T" threads with Teflon tape or Teflon thread sealant.

Step 8.

Install Manifold Assembly into the heater port on the crossover manifold. Note: Be careful not to over tighten as you could crack the crossover manifold.

Step 9.

Wrap threads of the two nipples with Teflon tape or Teflon thread sealant. Install the two nipples into the manifold and tighten. Note: Be careful not to over tighten as you could put pressure on the manifold which could result in a crack.

Step 10.

Lift the Equalizer Chamber up to point of contact on the lower windshield brace. Mark and drill the two mounting holes. Install the supplied bolts and tighten.

Step 11.

Install the original heater line to the manifold and tighten using the original hose clamp. Route the return line from the Equalizer to the new manifold nipple and install using the supplied hose clamp.

Step 12.

Refill the cooling system reservoir tank.



Reinstall the pressure cap onto the reservoir, leaving it only on the first latching position and loose. Start the engine and allow it to idle until it reaches operating temperature. It may be necessary to add additional coolant during the warm up process. Increase engine speed to 2000-2500 rpm for 30 seconds to allow the Equalizer Chamber to exhaust any trapped air. Make sure the coolant level in the reservoir is at the 'Hot' level, replenishing coolant as needed.

Fully tighten the pressure cap on the reservoir. Note: be careful as the coolant and or pressure cap may be hot.

Step 10.

Turn H1 off and allow to cool. As the engine cools, coolant will be drawn from the reservoir tank to replace any trapped air. When the engine is completely cooled, check coolant level and replenish as needed to raise coolant level up to the 'cold' level indicator mark on the reservoir tank. Note: be careful as the coolant and or pressure cap may be hot.

