



## DDMWorks Coolant Re-Route DDM-17-21



The DDMWorks Slingshot Coolant Re-Route addresses an issue with the stock cooling system on the Slingshot that prevents steam from exiting the engine efficiently. Installation of the DDMWorks coolant re-route allows the steam to get out of the engine easier allowing the engine's cooling system to work more efficiently.

If you are pretty handy with tools the coolant re-route can be installed in under an hour, however we suggest that you schedule at least a few hours for the installation.

If you have any questions during the installation call or text (864) 907-6004, or send us an email to [Tech@ddmworks.com](mailto:Tech@ddmworks.com).

### TOOLS NEEDED

<b>TOOLS NEEDED</b>
Pliers or channel locks
Flat head screw driver

QTY	PART DESCRIPTION
1	DDMWorks silicone re-route hose
4	#4 Hose Clamps
2	Zip ties
1	3/8" Barb Fitting



119-A Hwy 183  
Piedmont, SC 29673  
**Tech Support**  
(864) 907-6004 (call or text)  
Email: [Tech@DDMWorks.com](mailto:Tech@DDMWorks.com)

**CAUTION!**

Make sure that the engine is cool to the touch. You will be working with the cooling system so it is best if the Slingshot has not been ran for a few hours or better, let sit over night.



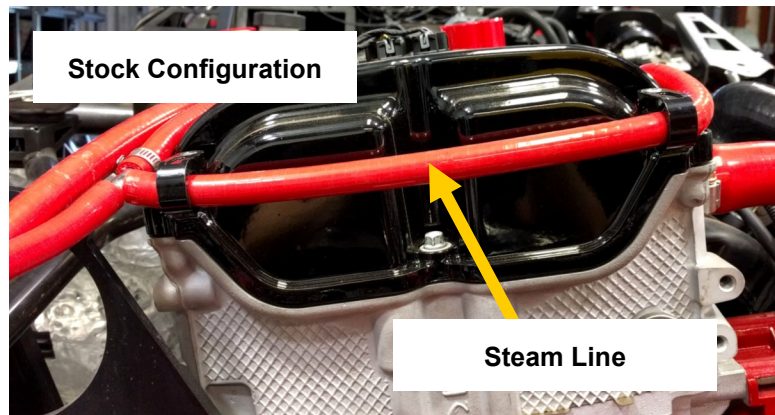
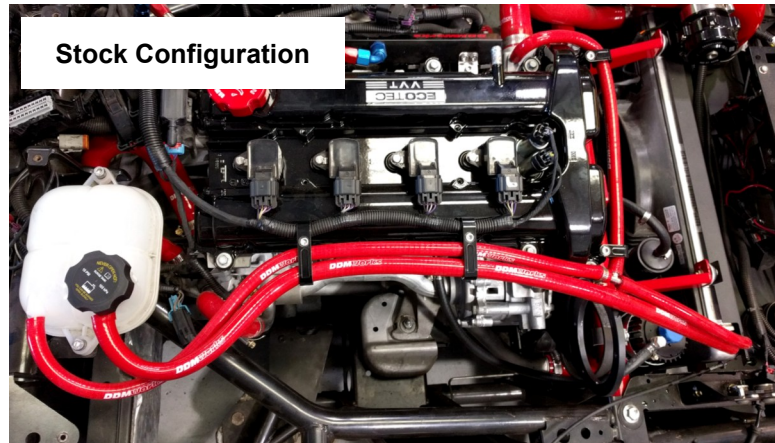
## **DDMWorks Coolant Re-Route Installation**

**THIS KIT ONLY WORKS WITH A DDMWORKS COOLANT TANK AND WILL NOT INSTALL ON A STOCK COOLANT TANK.**

Shown to the right is the Stock Polaris Coolant configuration. The engine in the Slingshot naturally sits at a 10 degree angle and the steam line that comes off the front of the cylinder head follows this 10 degree downward angle. This downward angle of the steam line causes steam to build up and block the efficient flow of coolant. The kit you are installing will re-route the steam line and increase efficiency of the cooling system.

1. Disconnect the clamps holding the steam line to the front of the valve cover. Then remove the 3 lines from the "T" fitting.

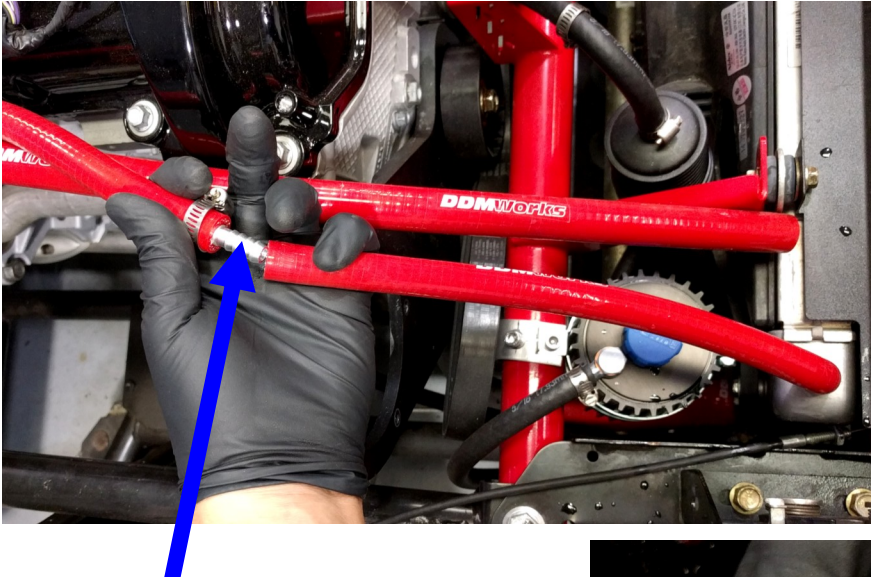
**If you have a 2016.5 model or newer your lines will not have a "T" but will have 2 lines joined by a 90 degree elbow instead.**



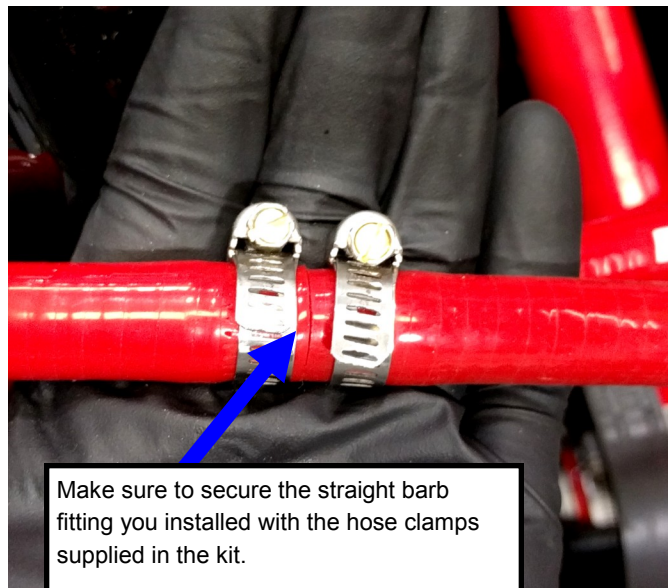
## DDMWorks Coolant Re-Route Installation

**\*\*\* If you have a 2016.5 or newer Slingshot remove the steam line completely and cap off your surge tank with the cap provided with the surge tank, then skip to the next page.**

2. Remove the clamp holding the steam line to the engine on the driver side and pull the line up off the nipple on the engine.
3. Once the steam line is removed, replace the stock "T" fitting on the passenger side with the new straight barb fitting included in this kit. This barb fitting will join the line coming from the top of the radiator to the line that runs up to the surge top of the surge tank. Use the clamps included in the kit to secure the new straight fitting.



Join the line from the radiator to the line that goes up to the back of the coolant surge tank on the passenger side.



Make sure to secure the straight barb fitting you installed with the hose clamps supplied in the kit.



## DDMWorks Coolant Re-Route Installation

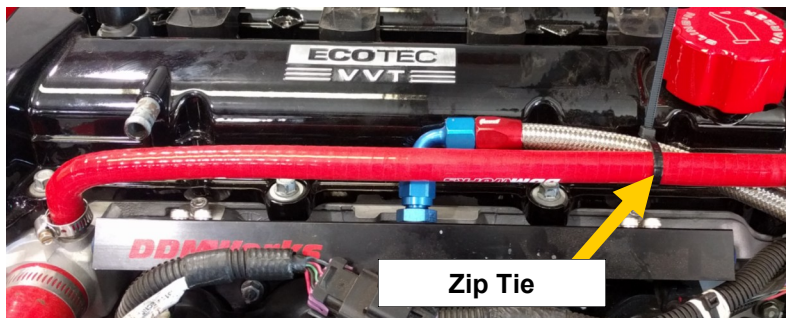
4. Install the new coolant re-route hose onto your engine as shown here in the picture to the right. It will push onto the nipple on the front of the cylinder head. Make sure to install and tighten a new hose clamp on each end of the hose to attach it to the engine and coolant tank.



5. Use the plastic Zip Ties supplied in the kit to secure the coolant re route hose. Depending on what other modifications you have done, you can zip tie the coolant re-route to the fuel rail, stock wire loom, etc. The main goal is to try to keep the coolant line as level as possible from the front of the engine to the coolant tank in the back.



6. After making the connections, open the coolant tank and make sure it is at the correct level, replace any coolant that was loss and secure the cap back on.



7. Start the engine and let the engine come up to operating temperature, watching for leaks while the engine is idling. If you see any coolant dripping, tighten the hose clamps on the hoses slightly until the leak goes away, DO NOT OVERTIGHTEN the hose clamps though.

**Congratulations! You have successfully installed your new Coolant Re Route.**