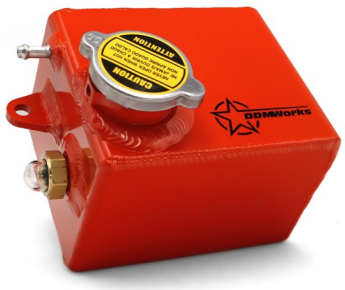
DDMWorks Coolant Tank for the Polaris Slingshot



The DDMWorks Slingshot Aluminum Coolant Tank is a high-quality, direct replacement for the factory plastic reservoir. Crafted from durable aluminum, this upgraded tank offers enhanced strength and longevity, eliminating the risk of cracking or failure common with the stock component. Designed to fit seamlessly in the original mounting location, it also provides increased fluid capacity for improved cooling performance. An integrated sight glass allows for quick and easy monitoring of coolant levels without the need to remove the cap, and a new high-quality pressure cap is included for added convenience and reliability.

If you are pretty handy with tools the Coolant Tank can be installed in about an hour, however we suggest that you schedule at least a couple hours for the installation to make sure you have plenty of time.

If you have any questions during the installation you can call or text (864) 907-6004 or email us at Tech@ddmworks.com.

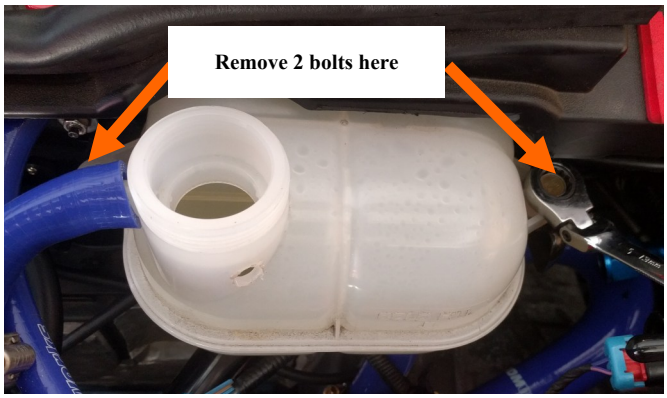
Tools Needed for Install

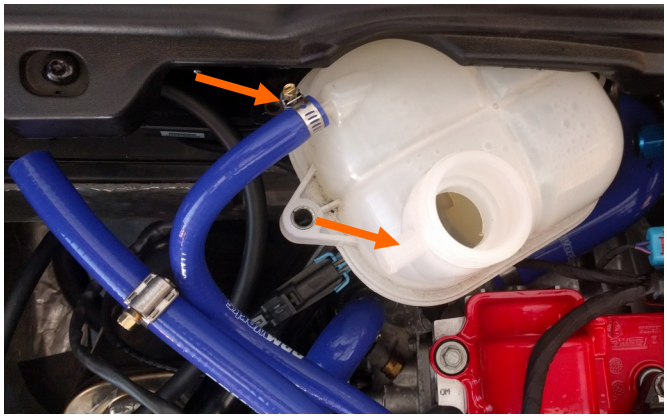
- 13mm wrench
- Hose clamp pliers or channel locks
- Assorted screwdrivers
- A friends helping hands if available

Make sure the Slingshot is cold and has not been ran for a few hours, or better, over night. You will be removing parts of the cooling system so things could be hot.

Stock 2015-2019 coolant tank removal

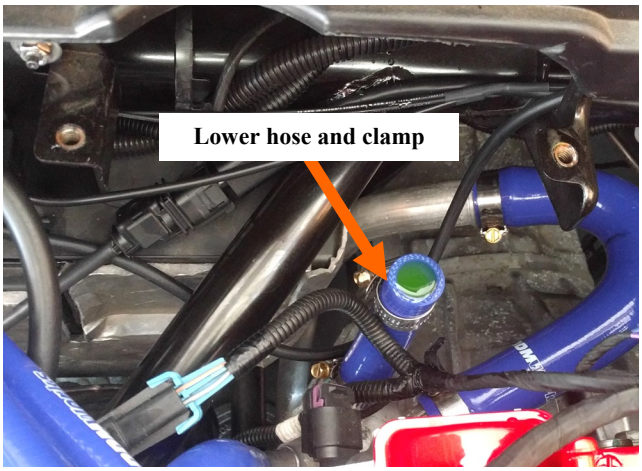
1. **The following instructions are for 2015-2019 Slingshots only, if you have a 2020 or newer Slingshot, skip ahead to page 5.**
2. Make sure the Slingshot is cold and has not been ran for a few hours, or better, over night. You will be removing parts of the cooling system so things could be hot.
3. Start by removing the cap from your stock plastic tank. If you have any kind of suction device to remove the coolant in the tank use it now. Getting as much coolant out of the tank as you can will reduce the amount spilled in the coming steps. Place a catch pan under the slingshot at this time to catch what does spill out.
4. There are 2 bolts holding the tank in place, one on each side. Use a 13mm wrench to remove both bolts at this time.
5. With the bolts removed you can slide the tank out slightly to expose the hoses and their clamps. Depending on what hoses and clamps you have use the correct tool to loosen the clamps and remove the 2 hoses on the passenger side of the tank.

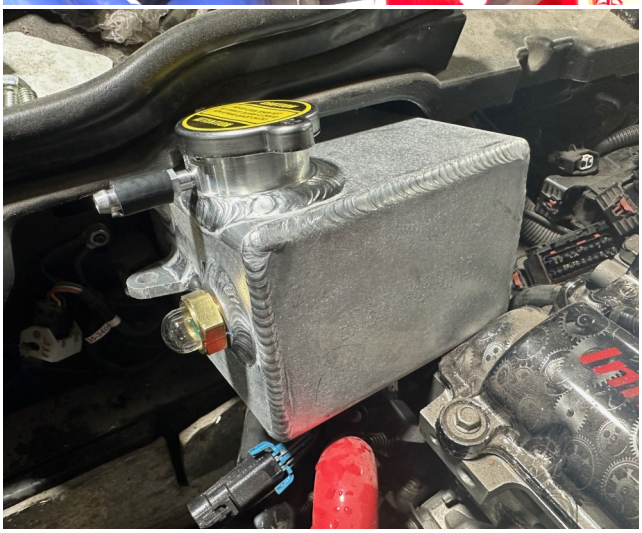


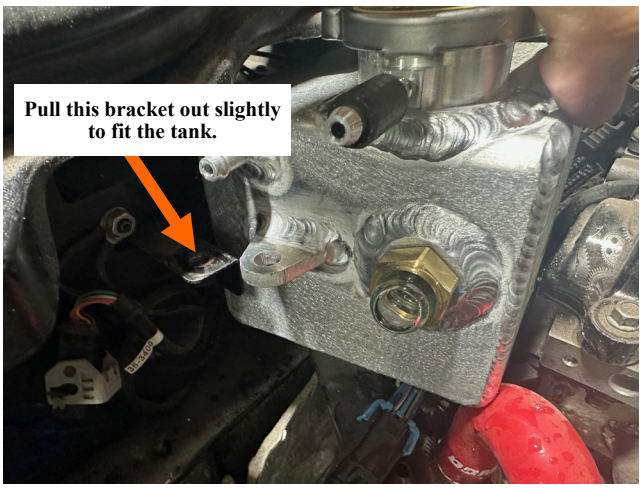


2015-2019 coolant tank installation

6. Next you will need to loosen the clamp under the coolant tank. The stock clamp is a spring clamp, a pair of pliers or spring clamp tool works well here.
7. You can now carefully remove the stock plastic tank from the sling-shot. **You will spill some coolant at this time. Be sure to have some towels or rags handy. Also your catch pan in place under the slingshot.**
8. It is now time to install the new DDMWorks Aluminum Coolant Tank. The tank is ready to install from us, the nipple under the cap can be installed after the tank is in place.
9. Before starting the installation of the new tank, it is a good idea to cover the front and sides of the tank with blue painters tape. That will help protect the powdercoat finish while you are doing the installation.
10. With the rear of the tank angled down place it between the 2 bolt holes. Insert the tank from the passenger side, push the tank towards the drivers side of the slingshot. You will have to pull slightly outward on the passenger side mounting bracket of the slingshot. **Do not try to get the bottom nipple into the lower hose at this time. Get the tank in place first, between the mounting brackets, then you can slide the tank forward a little, tilt the front up and push the bottom nipple into the lower hose.**







Stock 2015-2019 coolant tank installation

10. With the coolant tank in place, install the hose barb with the rubber hose over it. This fitting will screw into the threaded opening under the cap. DO NOT REMOVE the rubber hose over the barb, it is the correct size for the steam line to fit over.
11. Once that fitting is installed, push the steam line from the engine over nipple towards the back/passenger side of the tank. Secure with the stock hose clamp or the new hose clamp provided in the kit.
12. With the steam line connected, push the tank back into the stock location, replace the 2 bolts that hold the Tank down on the sides. Tighten the bolts down using your 13mm wrench.
13. With the tank bolted down, secure the lower hose with the stock hose clamp or install the new hose clamp provided in the kit.
14. Double check that both hoses are secured with hose clamps and they are tight.
15. Push the larger overflow hose onto the nipple below the cap, it just gets pushed on, no need for a hose clamp as this is just an overflow.
16. Fill the New Tank with coolant just above the level of the sight glass, put the cap back on the tank making sure it is tight and secure.
17. We do recommend checking the level in the coolant tank after a 15-20 mile drive, as sometimes the system will burb a little. Also it is a good idea to let the engine warm up and check for leaks before going on the first drive after swapping to the new tank.
18. You are finished!

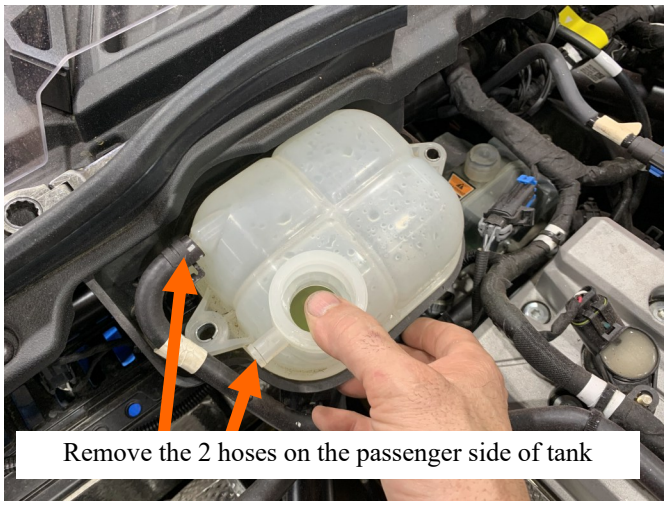
If you have a 2015-2019 Polaris Slingshot, your installation is complete. The following pages are for a 2020+ Polaris Slingshots.

DO NOT TRY THIS AT HOME OR WITH THE STOCK PLASTIC TANK!

Removing the Stock Coolant Tank

1. **Make sure the Slingshot is cold and has not been ran for a few hours, or better, over night. You will be removing parts of the cooling system so things could be hot.**
2. Start by removing the cap from your stock plastic tank. If you have any kind of suction device to remove the coolant in the tank use it now. Getting as much coolant out of the tank as you can will reduce the amount spilled in the coming steps. Place a catch pan under the slingshot at this time to catch what does spill out.
3. There are 2 bolts holding the tank in place, one on each side. Use a 13mm wrench to remove both bolts at this time.
4. With the bolts removed you can slide the tank out slightly to expose the hoses and their clamps. Depending on what hoses and clamps you have use the correct tool to loosen the clamps and remove the 2 hoses on the passenger side of the tank.

Remove these 2—13mm bolts

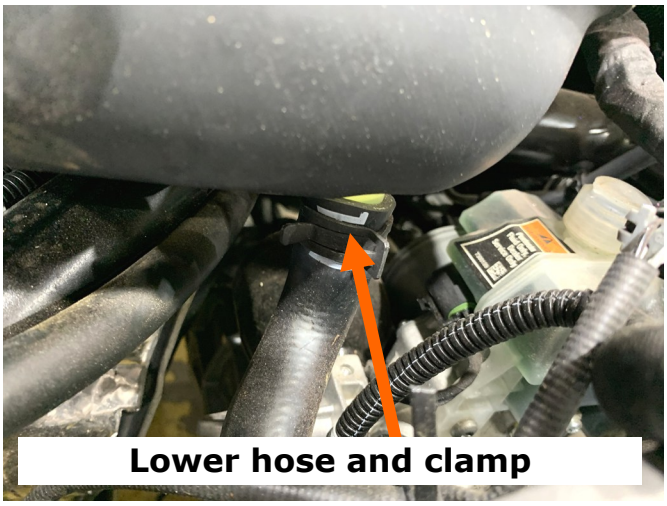


Remove the 2 hoses on the passenger side of tank

Removing the Stock Coolant Tank

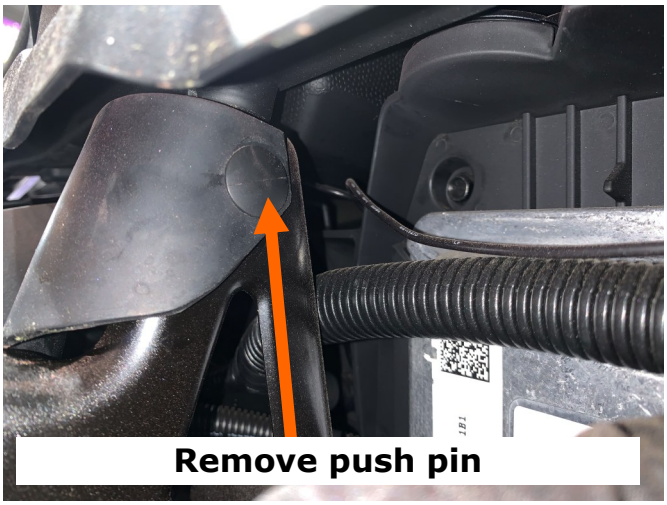
5. Next you will need to loosen the clamp under the coolant tank / rubber housing. Use a pair of pliers or spring clamp tool to slide the clamp down the hose allowing the hose to come off the bottom of the tank.
6. You can now carefully remove the stock plastic tank from the slingshot. **You will spill some coolant at this time.**
7. **Be sure to have some towels or rags handy. Also your catch pan in place under the slingshot.**
8. With the tank removed, remove the rubber shield under it. There is a push pin on the drivers side of the rubber shield, remove that push pin and the rubber shield will come out.

Now that the stock tank is out it is time to start installing the new tank.



Lower hose and clamp

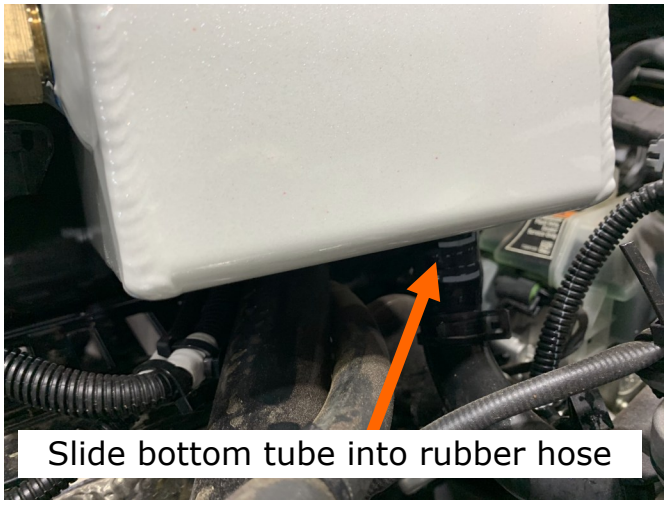
Tank removed

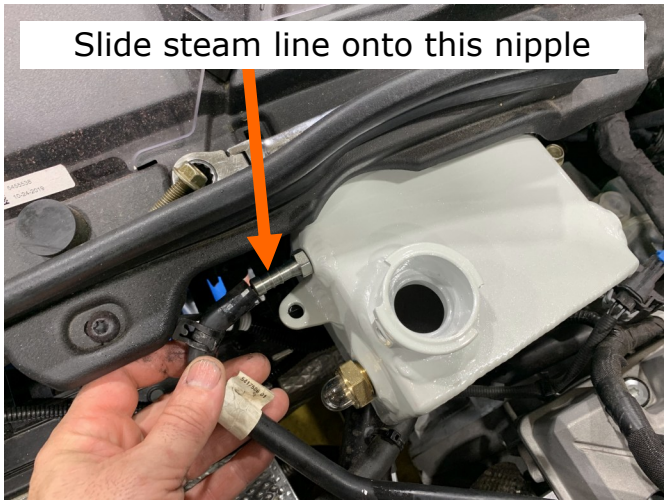


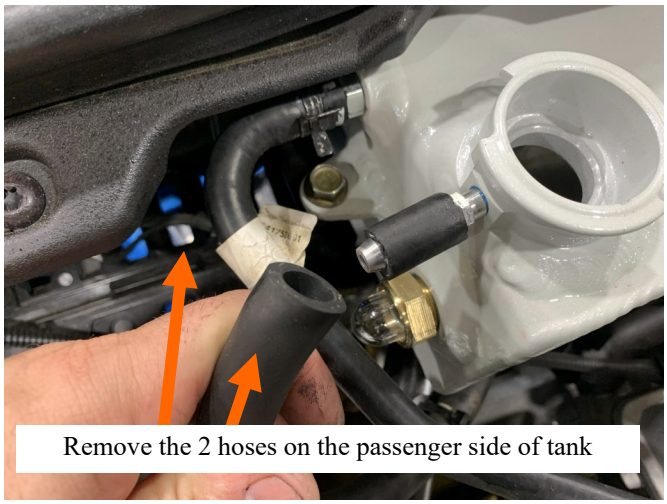
Remove push pin

Installing the new DDMWorks Coolant Tank

1. First install the large tube on the bottom of the new tank into the coolant hose coming up from the engine. It helps if you spray a little WD-40 onto the large tube on the tank to help it slide into the rubber hose. Slightly twisting it back and forth also will help the tank slide all the way down into the hose.
2. With the bottom tube slid into the hose, now slide the steam line hose onto the nipple that was installed on the passenger side of the tank. A little WD-40 sprayed on the nipple will help the hose slide onto the nipple. Once the hose is pushed all the way up onto the nipple, use a pair of pliers to squeeze the clamp and slide it back up into place.
3. With the steam line installed, rotate the tank into place and install the 2—13mm head bolts you removed earlier from the stock tank.
4. Next, slide the larger overflow tube over the nipple that is right under the cap location. Make sure that the rubber hose that ships on the nipple is still in place. It adapts between the smaller nipple and the larger hose. A little spray of WD-40 will help this hose slide right on.


Slide bottom tube into rubber hose


Slide steam line onto this nipple


Remove the 2 hoses on the passenger side of tank

Installing the new DDMWorks Coolant Tank

5. With the hoses installed, now squeeze the clamp on the hose under the tank and slide it up into place. All hoses should be tight at this point.
6. Fill the tank up until you see coolant in the sight glass, put the cap back on and you are done with the installation!
7. We do recommend checking the level in the coolant tank after a 15-20 mile drive, as sometimes the system will burb a little. Also it is a good idea to let the engine warm up and check for leaks before going on the first drive after swapping to the new tank.

Congratulations on installing your new Coolant Tank !

DDMWorks

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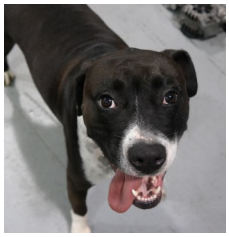

This product is Buddy the Turbo Dog Approved!