

INSTRUCTIONS

Belly Cooler Upgrade



*Fits:
2019+ Polaris Patriot 850*

Thank You
for Buying



Made in the USA



ACC-P143_Water to air radiator Upgrade for Polaris 800 and 850

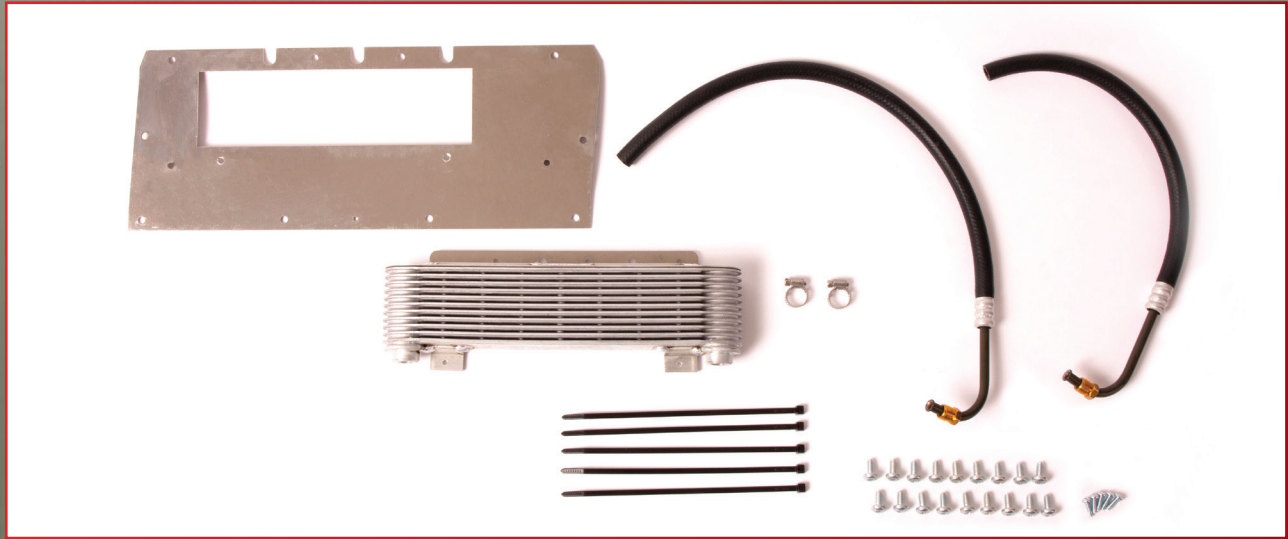
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INSTRUCTIONS

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Contents List



- 5 Zip Ties
- 18 Torx Head screws
- 5 Phillis head screws
- 2 Worm Drive Clamps
- 1Belly Raditor
- 2 Coolant Hoses
 - 1 Long
 - 1 short
- 1 BoonDocker Skid Plate

Possible KIT variations:

NA

Possible KIT variations:

Initial Tear Down



Remove hood and side panels.

Tip sled to expose skid plate and belly pans with PTO side towards the ground and MAG side in the air.

Initial Tear Down



Punch out centers of rivets

*4 on RH (Right Hand side) belly pan
4 on LH side belly pan
8 on skid plate.*

Initial Tear Down



Using 3/16" bit, drill out rivets on RH belly pan.

BE PREPARED TO COLLECT RIVET HEADS

Initial Tear Down



Repeat for LH belly pan.

BE PREPARED TO COLLECT RIVET HEADS

Initial Tear Down



Remove plastic darts from body panels and pull belly pans away from chassis.

Initial Tear Down



Center Punch two remaining rivets.

BE PREPARED TO COLLECT RIVET HEADS

Initial Tear Down



Drill out 10 rivets holding skid plate to sled.

BE PREPARED TO COLLECT RIVET HEADS

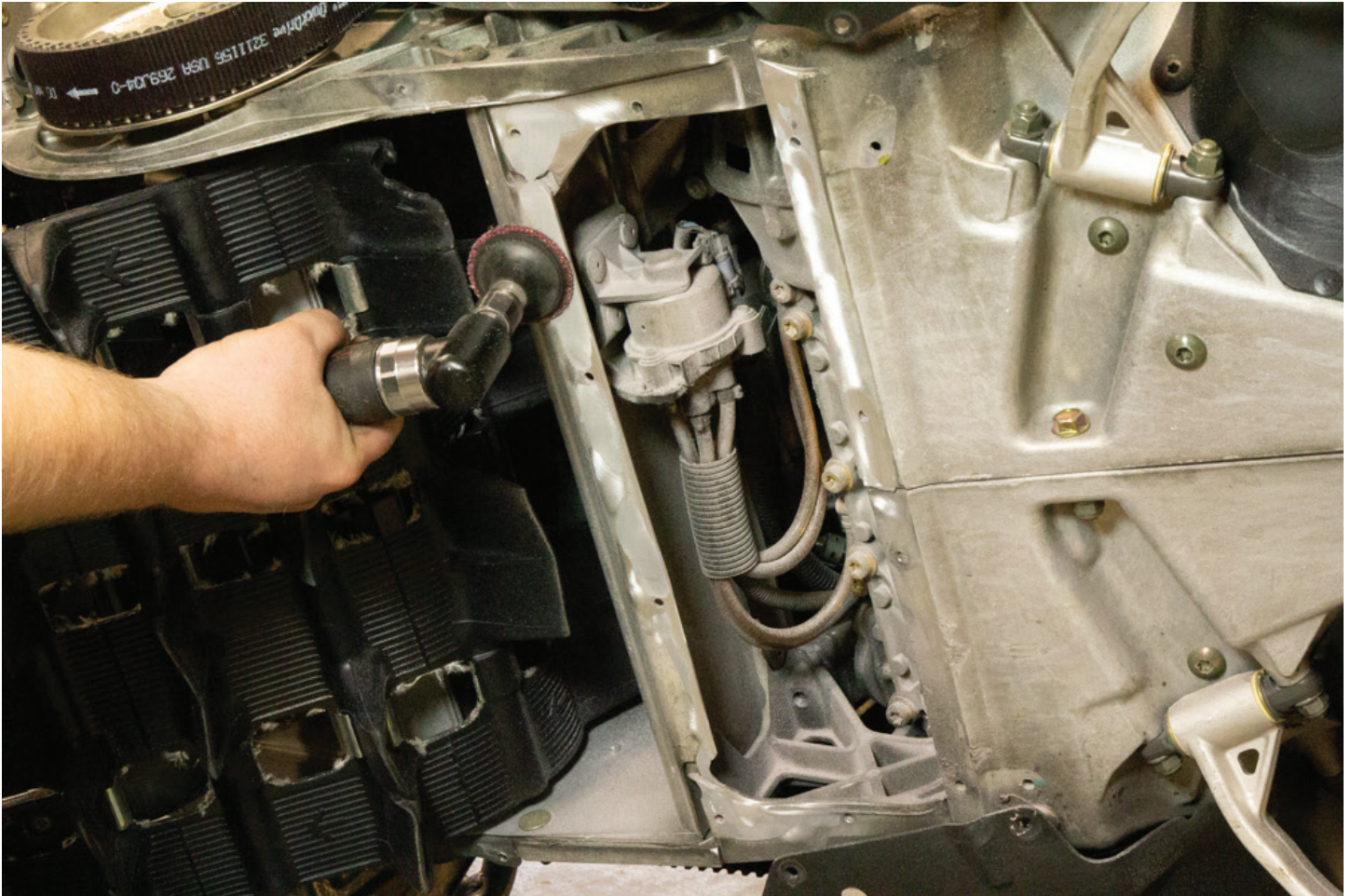
Initial Tear Down



Using torch, heat up outside edges of skid plate until it falls off.

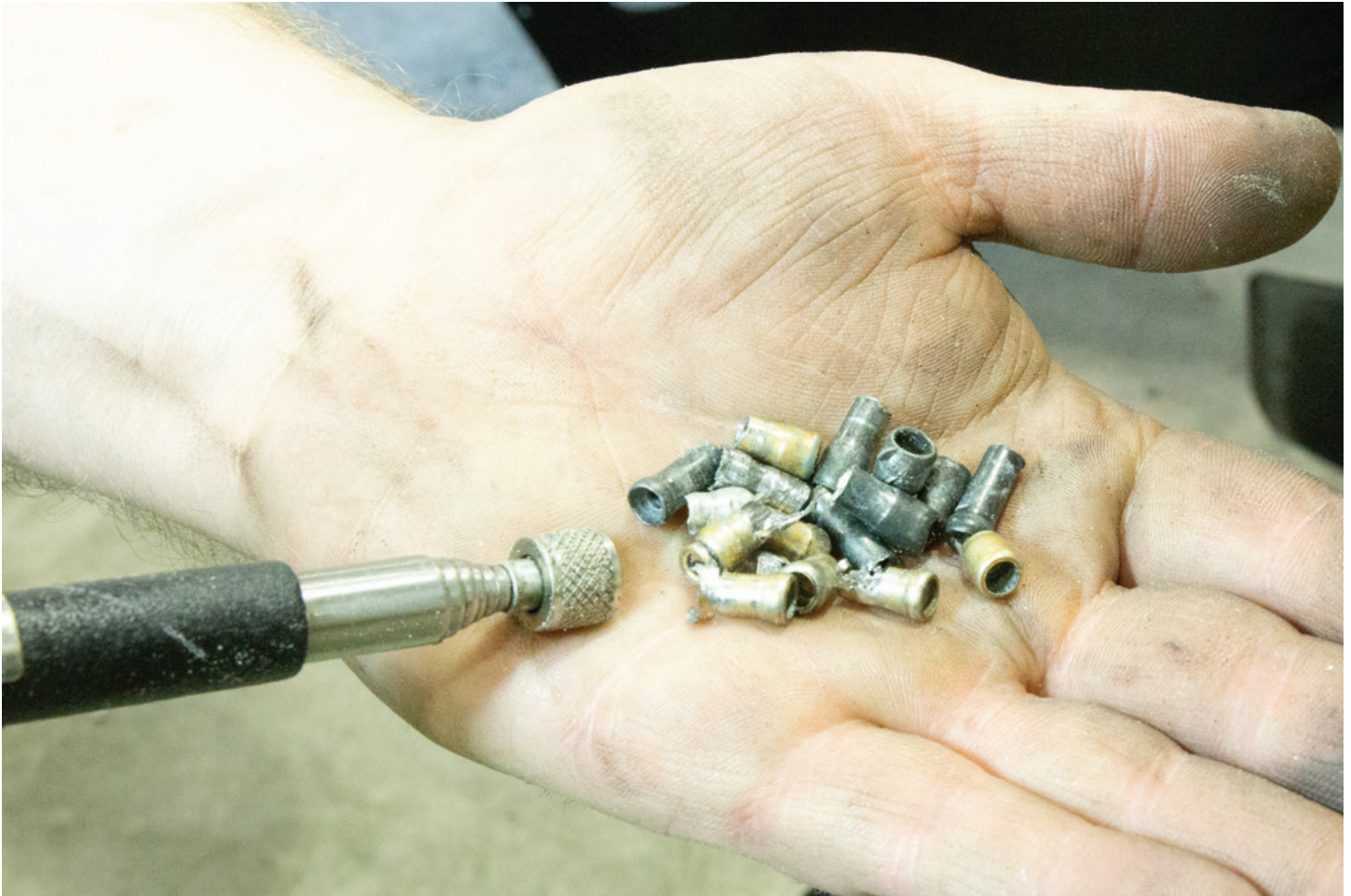
No prying necessary.

Initial Tear Down



Remove all glue from belly pan opening.

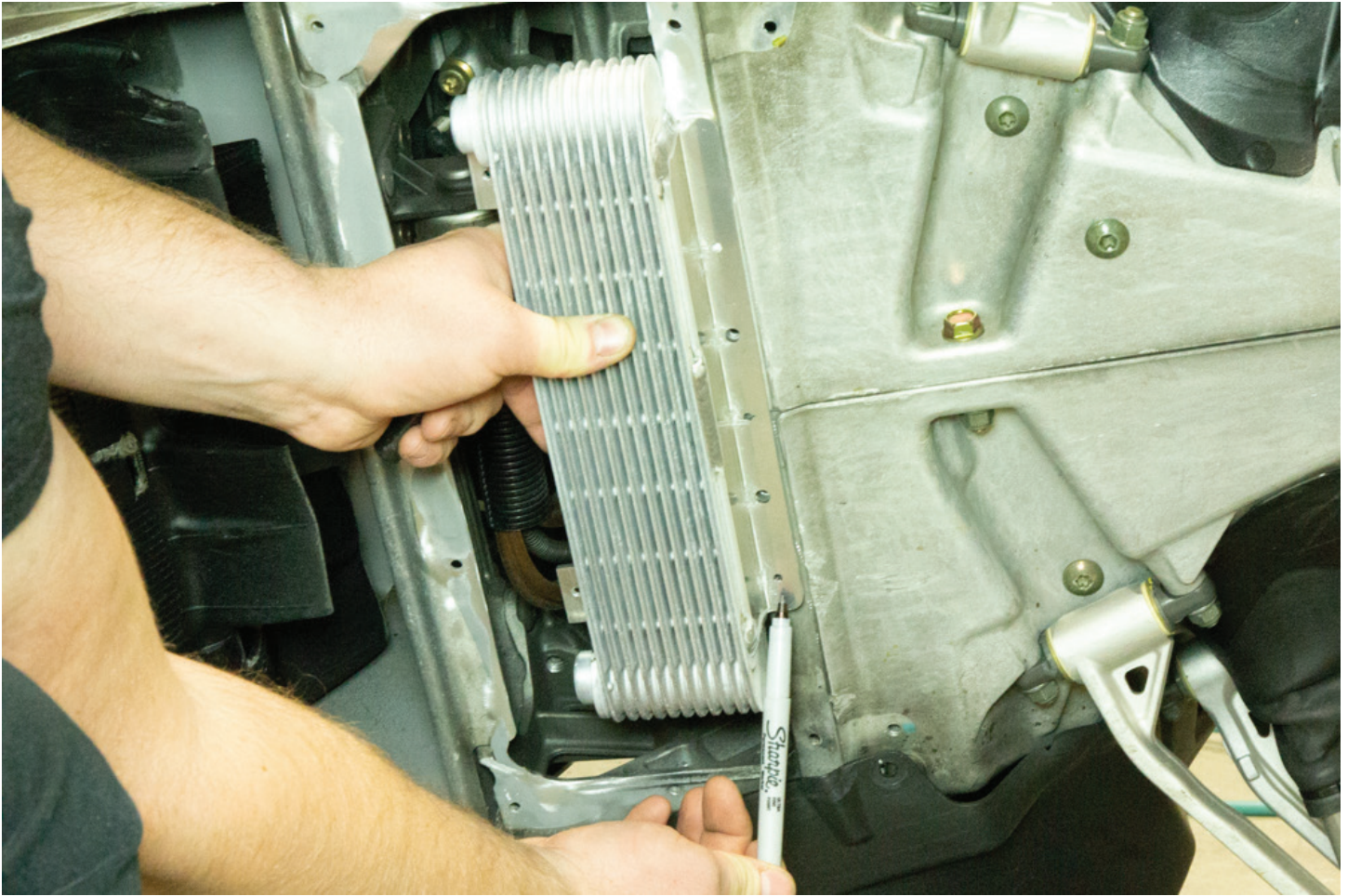
Initial Tear Down



Using a magnet collect all 18 rivet heads.

ANY EXCESS METAL DEBRIS MAY GET CAUGHT IN STATOR OR CLUTCHES

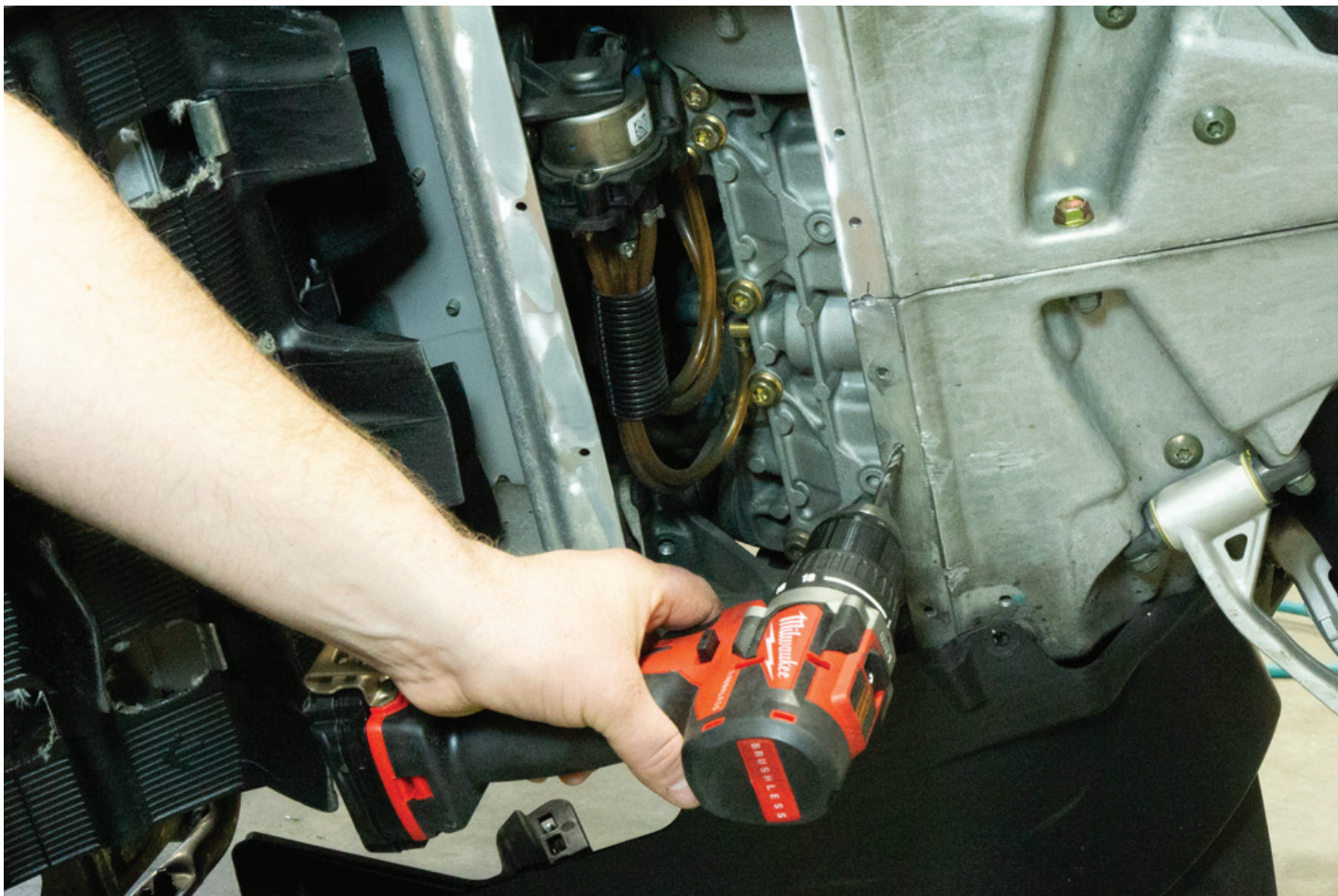
Install Radiator



Setting cooler as shown, lining up 3/16" holes with existing holes on chassis and mark smaller holes on radiator.

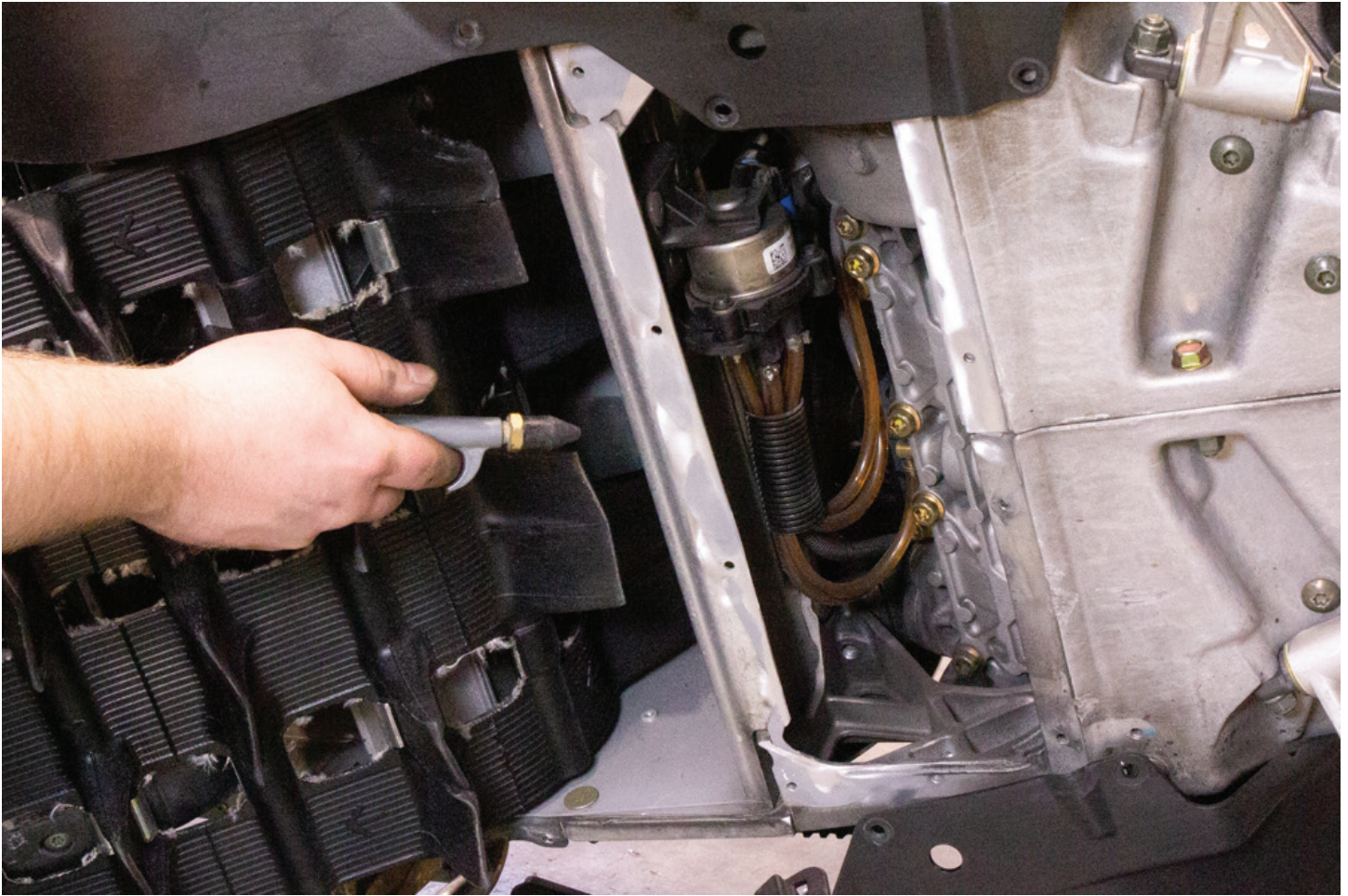
Note: center hole should line up with center seam on chassis.

Install Radiator



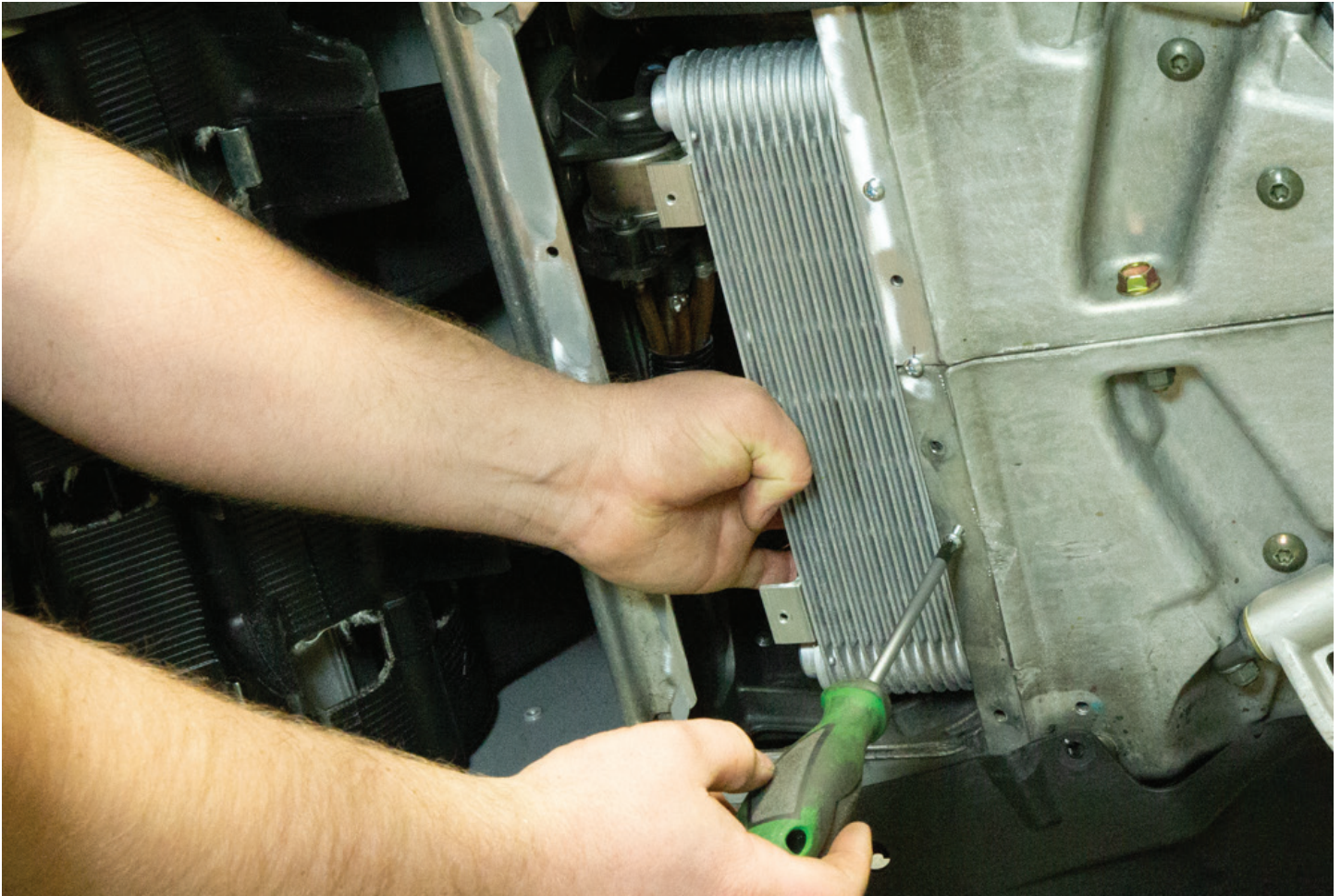
Using 3/6" bit, drill out previously marked holes.

Install Radiator



Blow out any remaining debris.

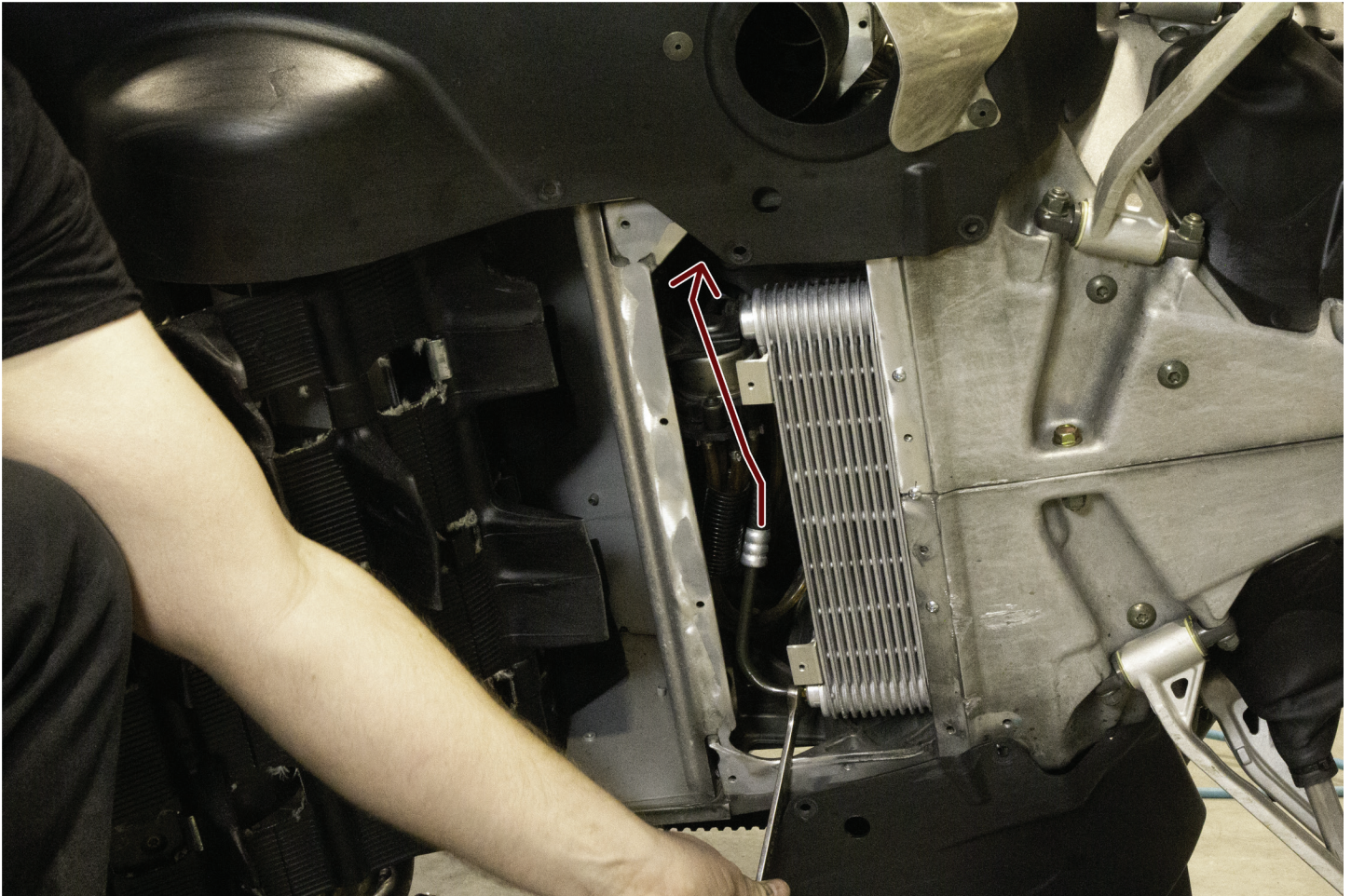
Install Radiator



Install radiator with small phillips self threading screws.

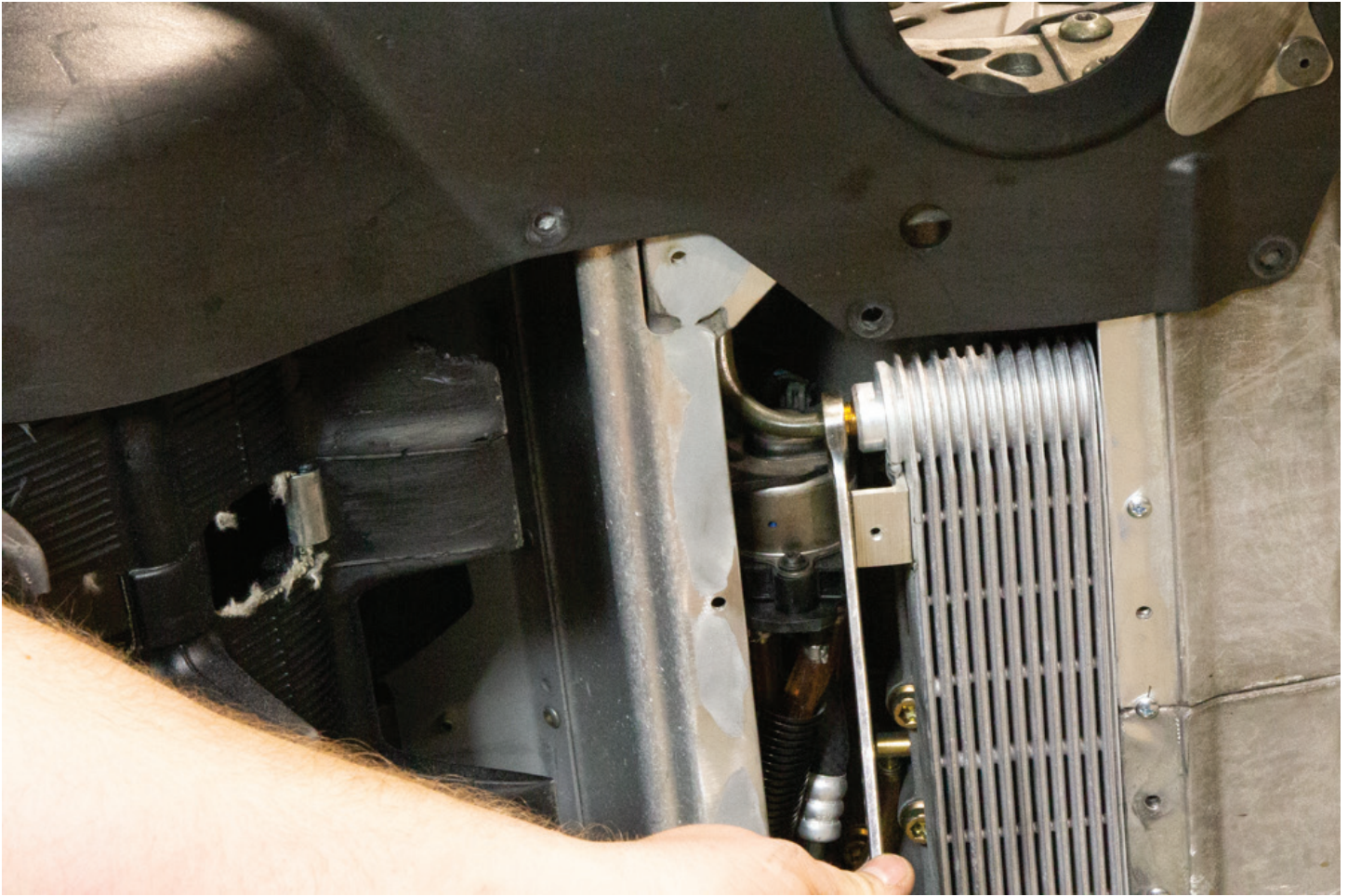
DO NOT OVER TIGHTEN.

Coolant Line Routing



Route longer coolant line from PTO side, in front of oil lines, over oil pump and up towards coolant bottle. Tighten fitting.

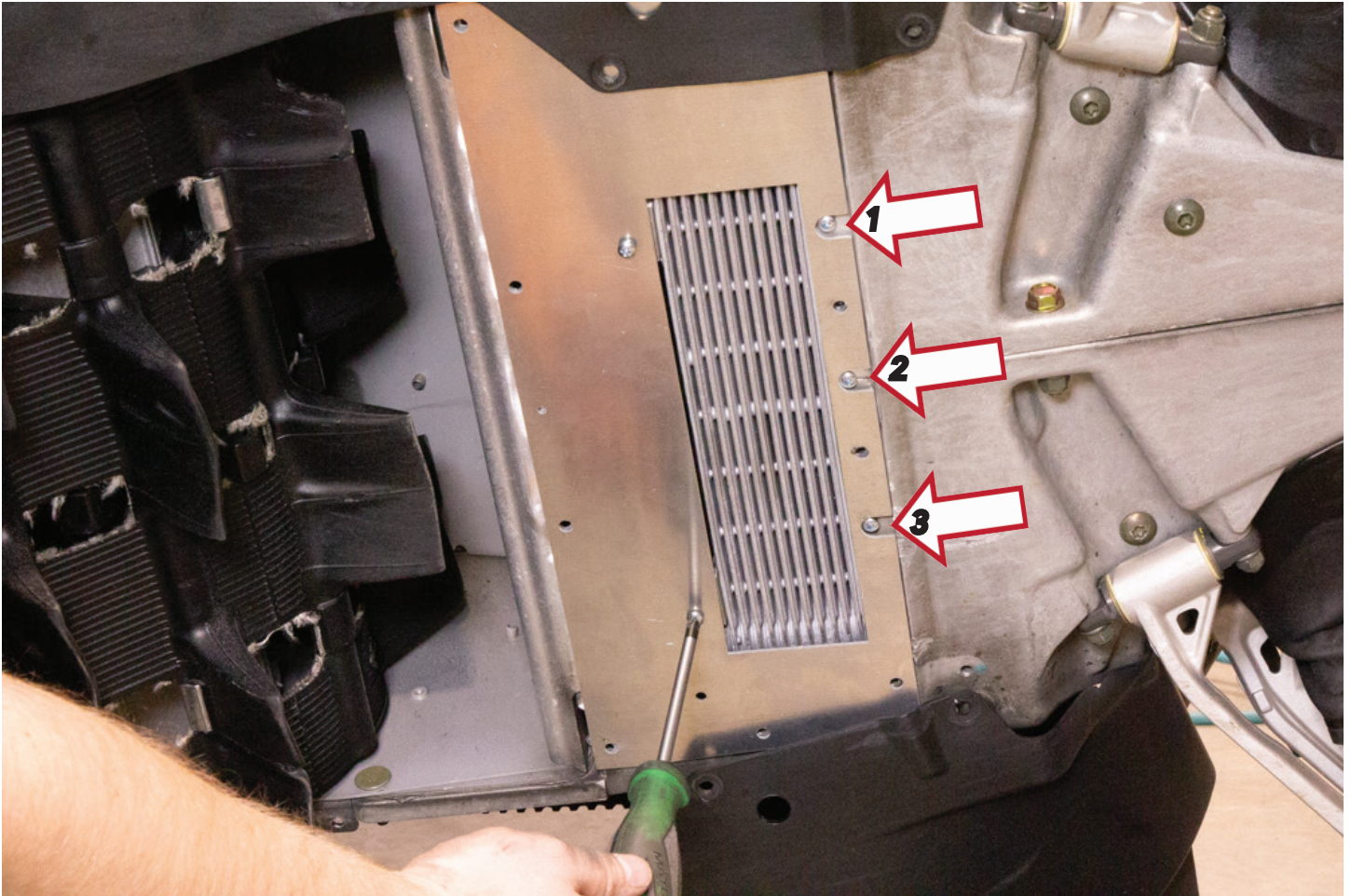
Coolant Line Routing



Route shorter coolant line directly towards coolant bottle.

Slightly divert line towards muffler to prevent contact with MAG cover.

Install Skid Plate



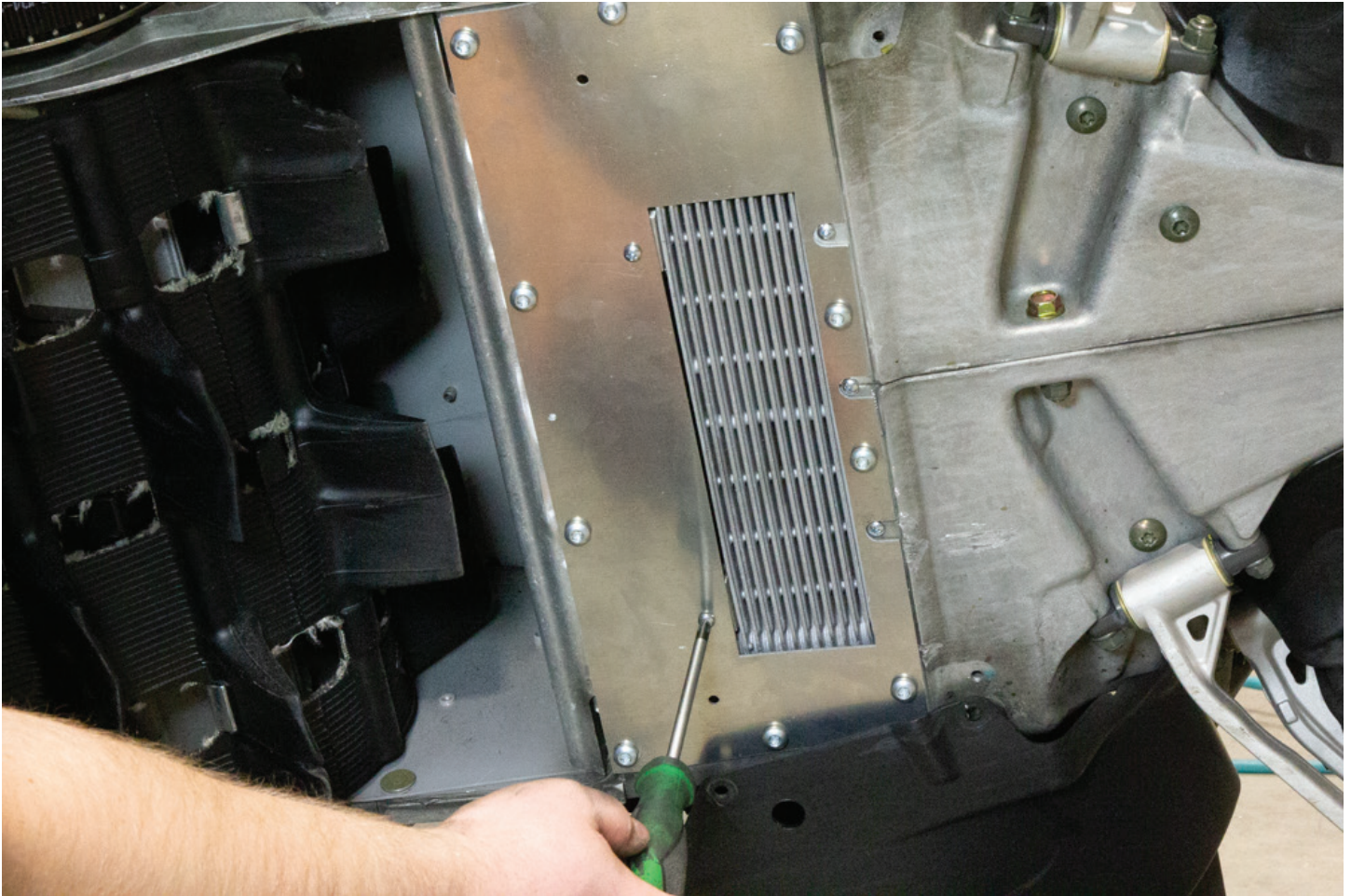
Loosen 3 previously installed phillips self threading screws, loosely install new skid plate with 2 remaining philips screws.

Install Skid Plate



Tighten 10 Torx self threading screws using T-30 Torx bit.

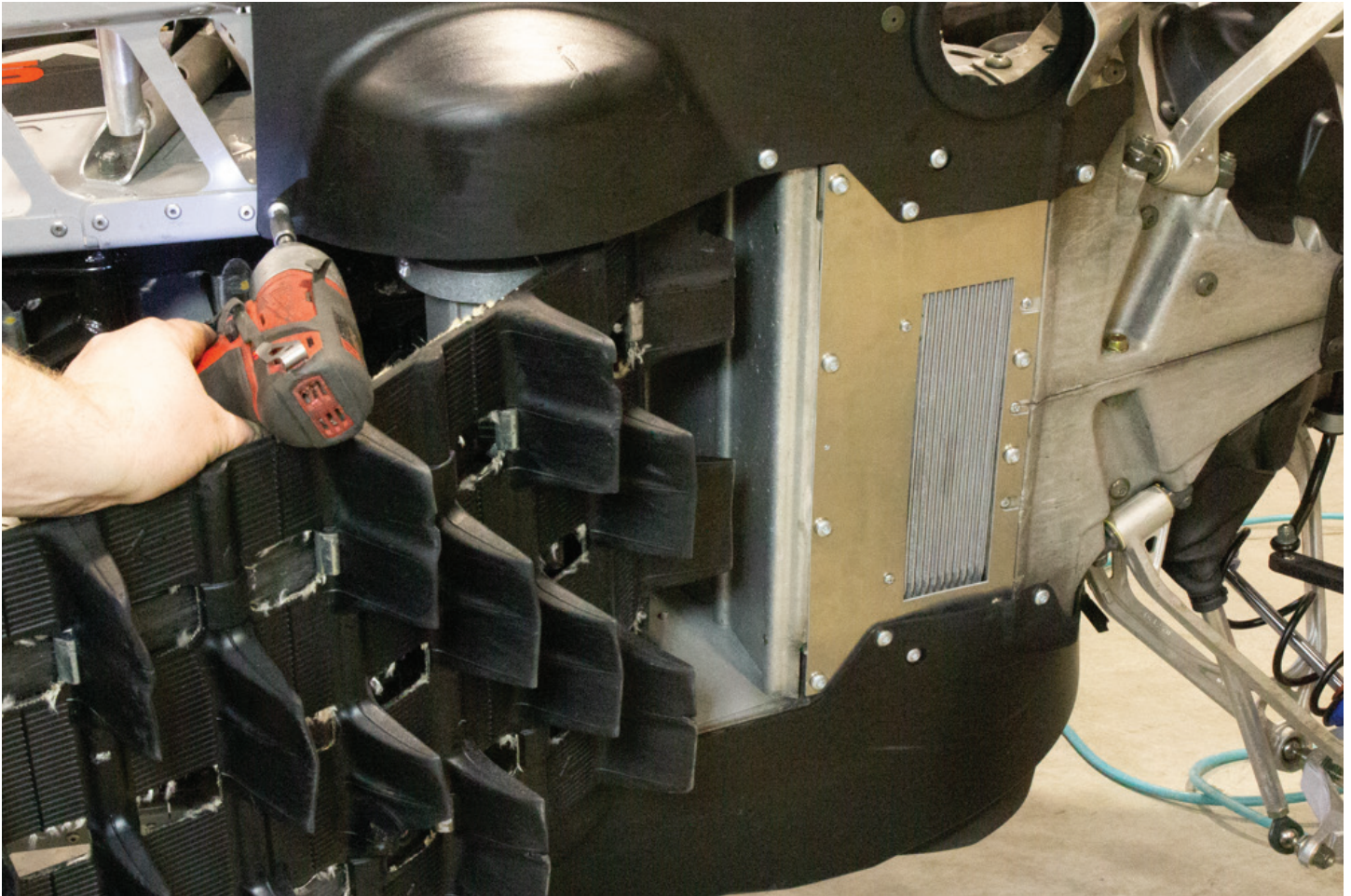
Install Skid Plate



Hand tighten phillips screws on radiator.

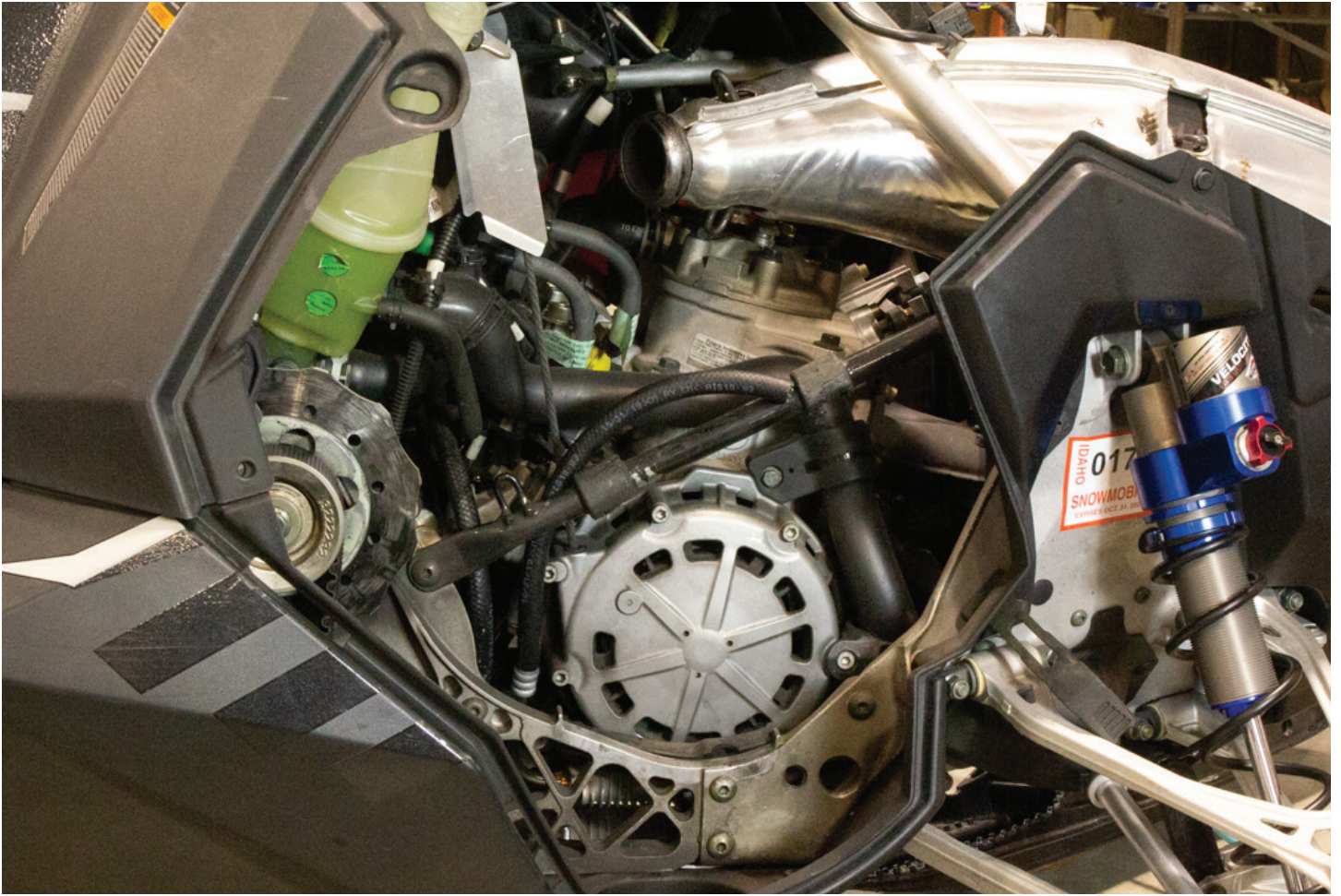
Do not over tighten.

Reassembly



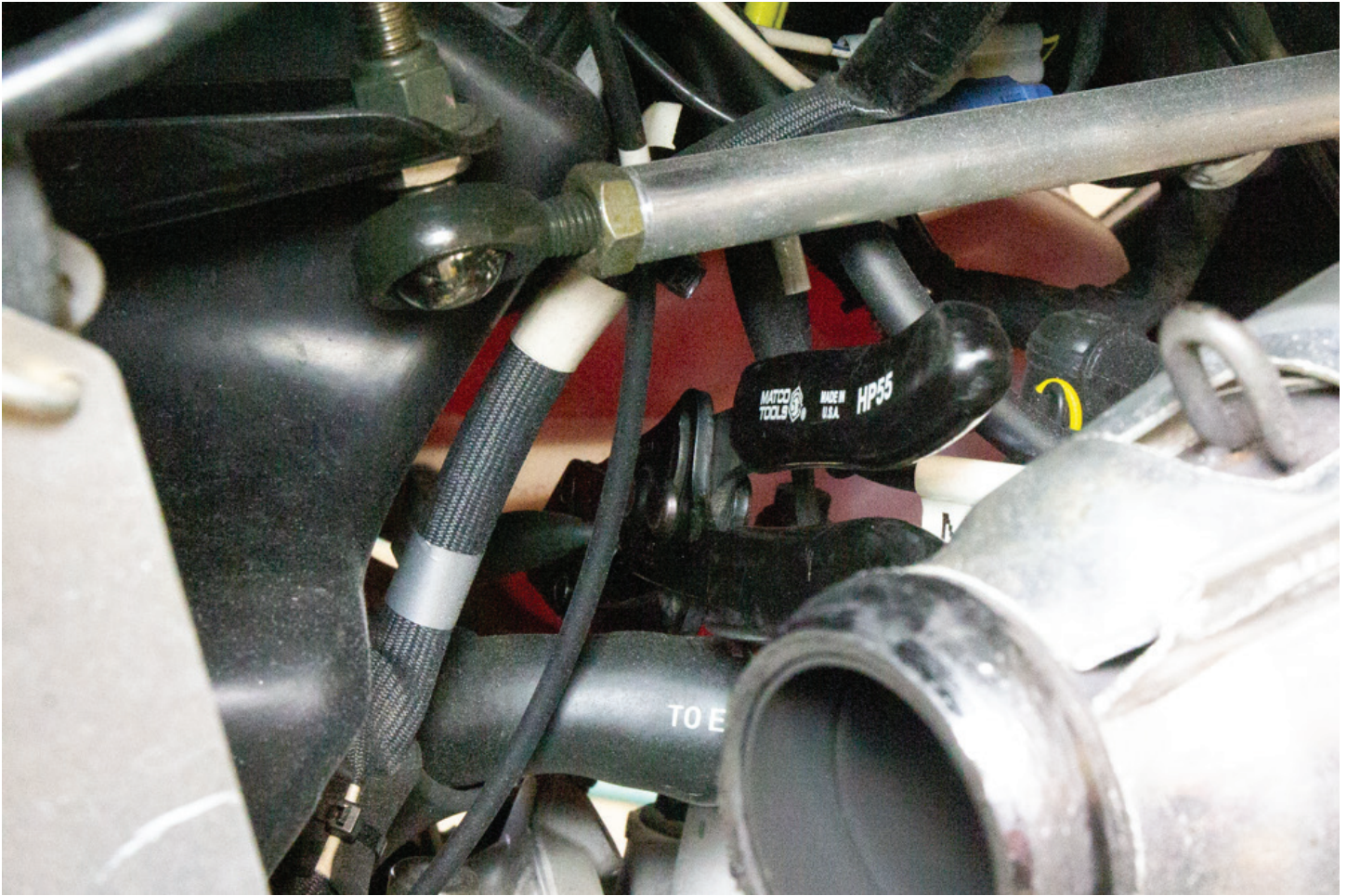
Re-attach LH and RH side belly pans with 8 remaining Torx self threading screws.

Coolant Line Routing



Remove muffler from sled.

Coolant Line Routing



Clamp coolant hose traveling from head to throttle body.

Coolant Line Routing



Remove coolant hose from throttle body and drain coolant.

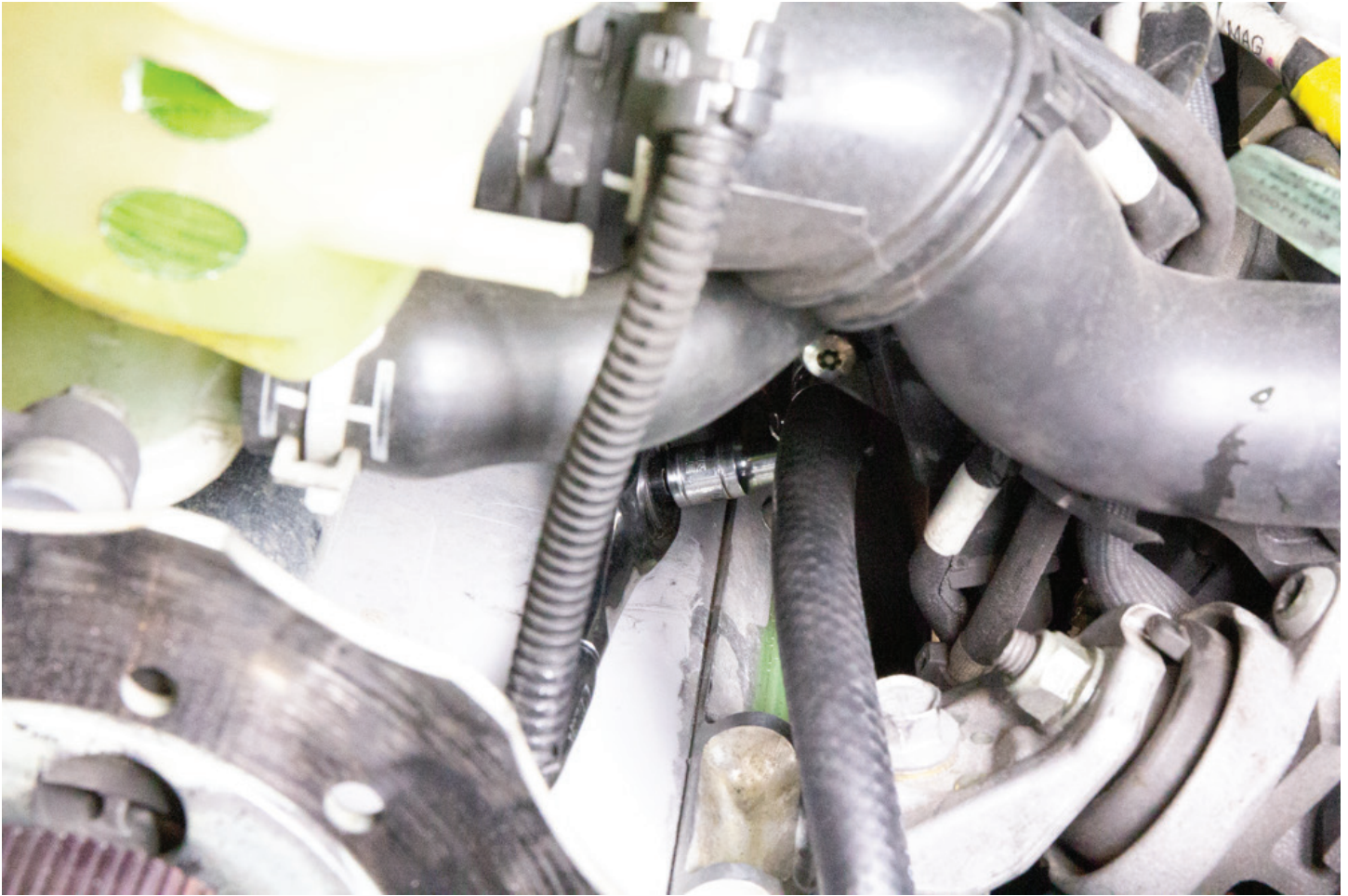
Note: Coolant sucker works great.

Coolant Line Routing



Remove coolant hose from resevoir.

Coolant Line Routing



Using supplied worm clamp, install long coolant hose to throttle body.

Coolant Line Routing



Install short hose to coolant reservoir.

Coolant Line Routing



Zip tie lines together, ensuring they don not rub on chassis, engine or pull rope.

Reassembly



Remove clamp from coolant line traveling to throttle bodies, re-Install muffler and top off coolant.

Reassembly



Re-Install plastics.

Performing this installation is at your own risk. These instructions act as a general guideline, and may not include some steps. As the installer, YOU take responsibility for the entirety of the installation. YOU must ensure proper routing, fitment, shielding, etc to prevent melted parts, chaffed wires, poor performance, etc. Improper installation, of any type, is not covered as a defect under any warranty, implied or written.

Have Fun



Have Fun!