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CONDITIONAL MANUFACTURERS WARRANTY

PWR Custom Aluminum Radiators, Intercoolers and Oil Coolers along with cores only for these units are warranted to the original purchaser to be free of fault for materials and workmanship for a period of 1 year from the date of purchase and only when used under normal operating conditions. Claims for internal damage to engine or other related components of user's vehicle are not covered by this warranty. The PWR product user is responsible for the monitoring of engine temperature operations and for having the appropriate detection devices in place to warn the user of overheating and other engine related malfunctions. At time of installation an approved coolant must be added to the cooling system. (see important information – Radiator point 3) Responsibility for any damage, injury or loss attributed to any fault in material or workmanship in the above listed products shall be limited by replacing the unit on return of the defective product.

Warranty voids

If the product is repaired or welded by another party other than PWR Performance Products. * If any defect is attributable to an accident, abuse or negligence. * Where the product is used for an application for other than it was intended. * If any parts or accessories are fitted which adversely affect the product

Warranty does not cover

Charge relating to removal and replacement to vehicle. *Internal or external corrosion. * Any consequential damage. * Freight cost incurred to send the item back to PWR

LIMIT OF LIABILITY STATEMENT

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. PWR Performance Products reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

SAFETY PRECAUTIONS

STOP

CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS AND WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- Always wear safety glasses for eye protection.
- Place the ignition switch in the OFF position.
- Always apply the parking brake when working on the vehicle.
- Block the front and rear tyre surfaces to prevent unexpected vehicle movement.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around the fuel system.
- Use chemicals and cleaners only in well ventilated areas.
- Batteries can produce explosive hydrogen gas which can cause personal injury. Do not allow flames, sparks or flammable sources to come near the battery.
- Keep hands and any other objects away from the radiator fan blades.
- Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewellery that can be caught in rotating or moving parts.

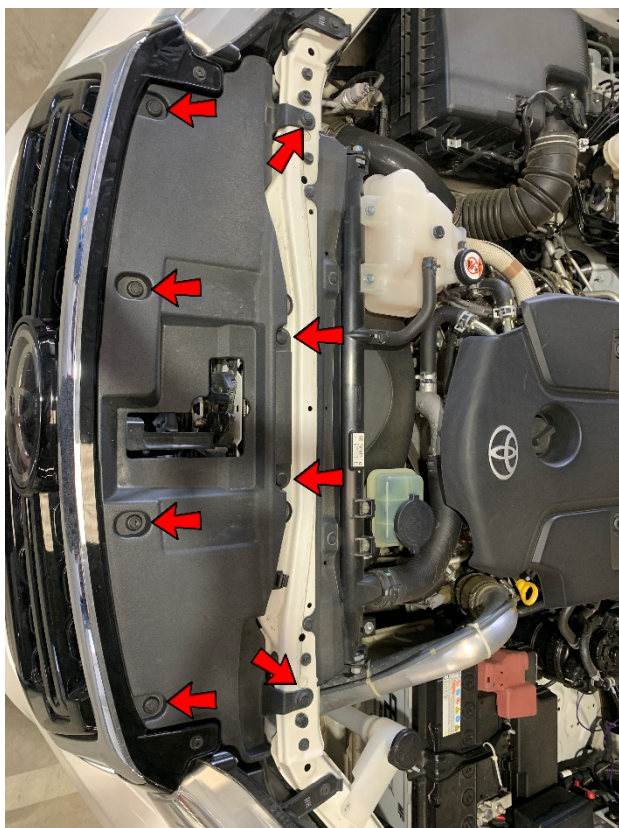
APPLICATION

Before commencing the procedures outlined, please read the guide and verify all parts are present and not damaged. If anything is missing or damaged, please notify PWR Performance Products on 07 5547 1600.

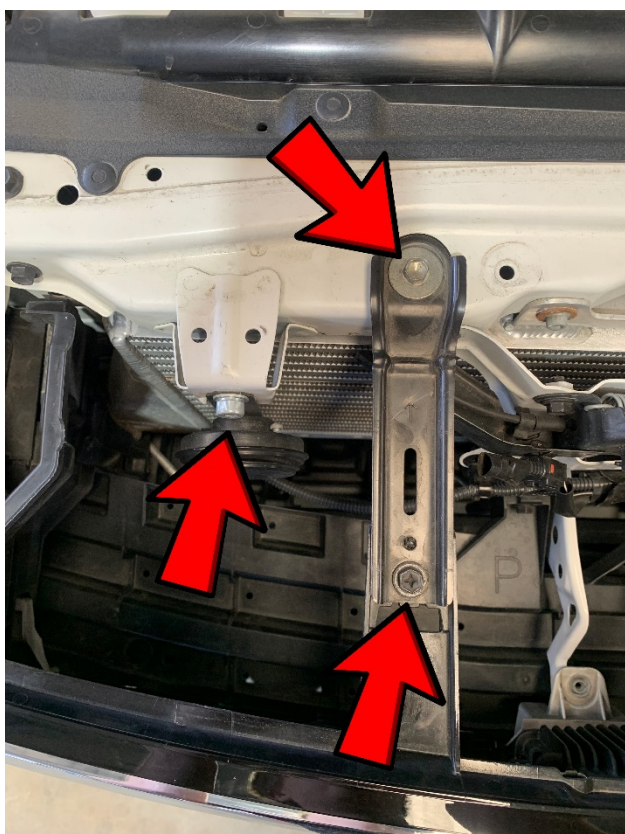
PACKING LIST

Description	Part	Quantity
21 Row Engine Oil Cooler	PWO5931	1
Speedflow -6AN to 3/8" 90 Degree	PWA413-06-P	2
-6AN Engine Oil Cooler Adapter	03A10881	2
3/8" Transmission Cooler Hose	PWA59340	1.45m
3/8" Transmission Cooler Hose	PWA59340	1.05m
16mm Split Corrugated Tube	PWA115191	0.95m
16mm Split Corrugated Tube	PWA115191	1.35m
Hose Clamps	RML0009	4
M8 x 25mm Bolt	15A.07-63855	1
M8 Nut	15A.08-63855	1
M6 x 25mm Bolt	SHCSM625	8
M8 x 12mm Bolt	SHCSM812	1
Spacer For Hilux Brackets	99A12398	8
M6 Large Washer	MSFWM6Z	10
M6 x 16mm Bolt	MSSSM616Z	2
M8 Washer	MSFWM8Z	2
Large Sheetmetal M8 Washer	99A29039	1
Oil Cooler Brackets	PWA113707	1
250mm Zip tie	PWA5432	4
Warranty Card		

Step 1: Remove centre panel to gain access to behind the grill. This is done by pressing the centre of the small clips in and then lifting them out. Once all have been removed you will be able to lift the panel off.



Step 2: Remove the grill support bracket and the horn from the radiator support. Once removed, remove the bolt holding the bonnet latch on.

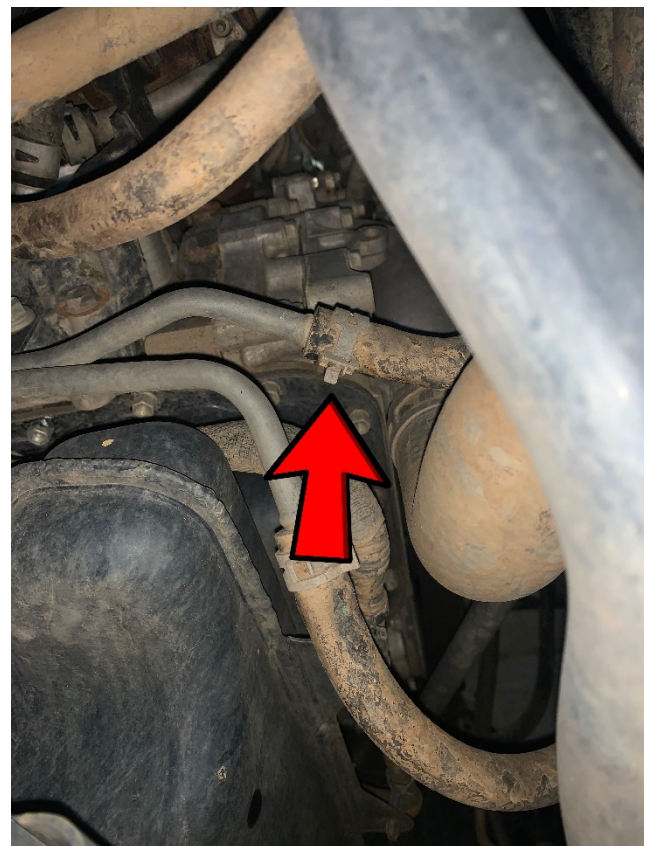


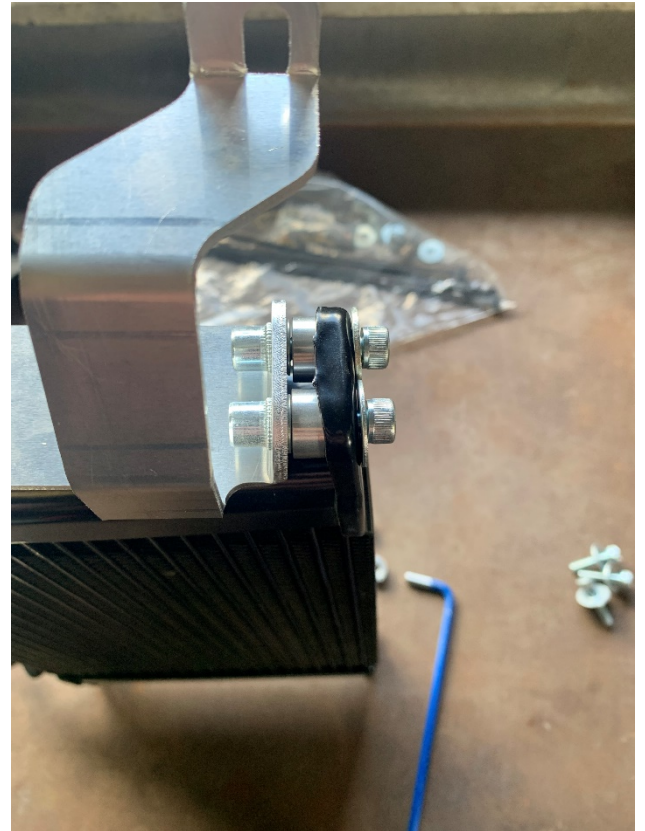
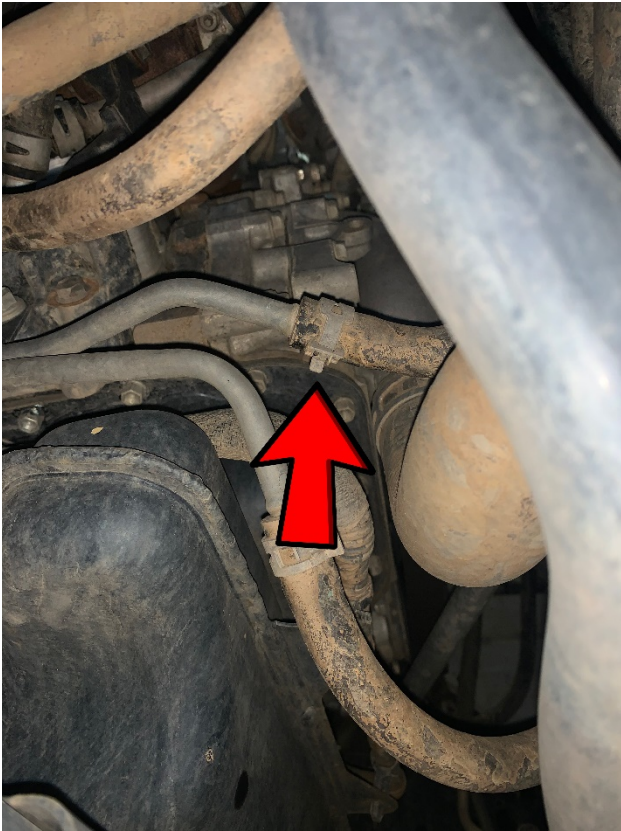
Step 3: Remove the underbody protection to gain access to the transmission lines.





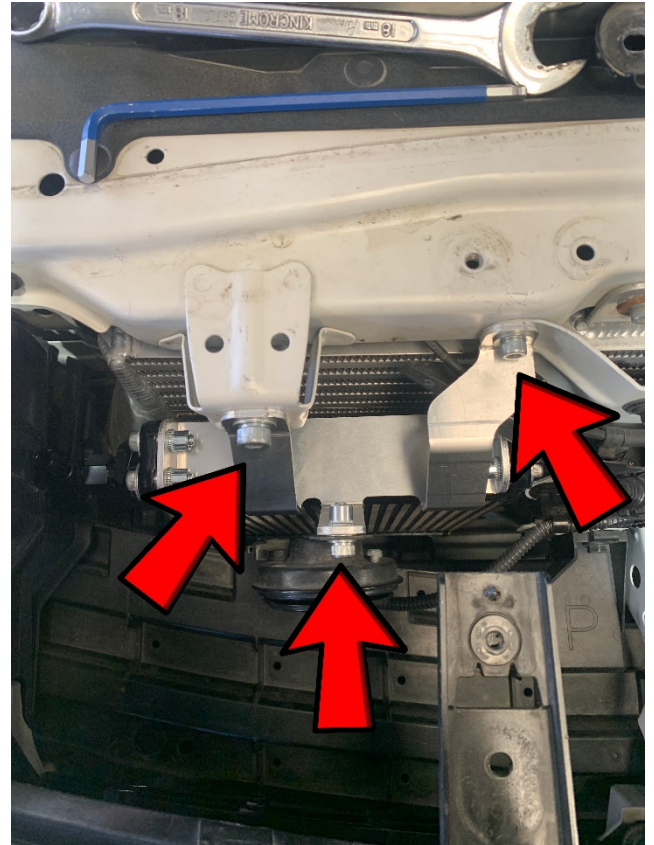
Step 4: Once the underbody protection has been removed you will remove the below transmission line using pliers to release the clamps.



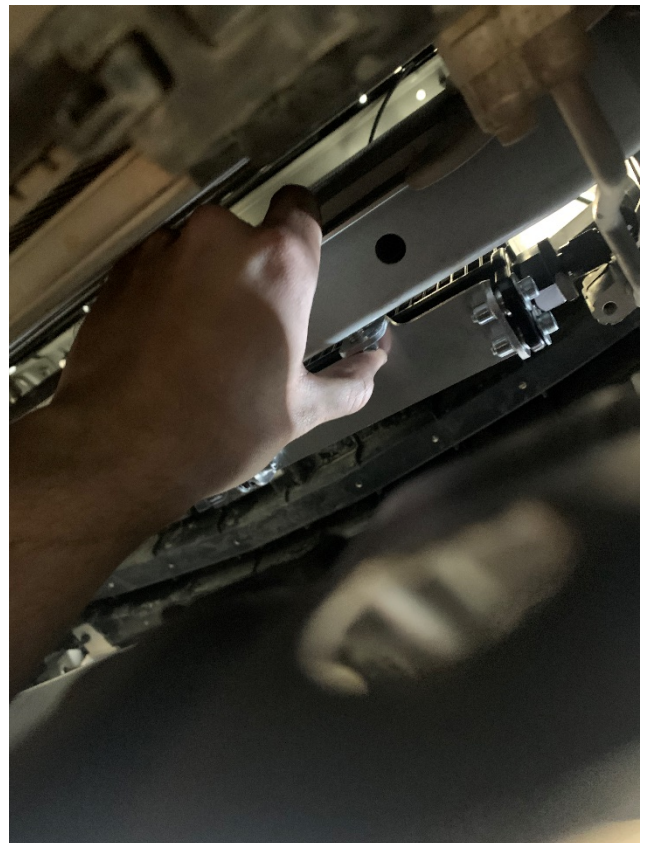


Step 5: Next you will place the brackets onto the cooler. This is done by putting the supplied spacers into one side of the cooler, sliding the bracket in and securing it with a bolt and washer. You will then slide the spacers into the other side, slide the bracket into position and secure it onto the cooler. Repeat for bottom bracket.





Step 6: You will now bolt the cooler in. This is done by using the supplied short M8 bolt and washer to secure the left side of the top bracket and one of the supplied M6 washers and bolts to secure the right side of the top bracket. You will use the other M6 bolt and washer to secure the horn to the middle of the top bracket. The bottom bracket can be tricky without taking the bumper off, but it is possible. You will slide the long M8 bolt and washer through the bracket and lower crash bar then use the large M8 washer and nut to secure the bracket through the back off this support.





Step 7: You will now put the corrugated tubing over the hose and secure it with the supplied zip ties.



Step 8: Next you will connect shorter hose to the below pictured barb and then run the hose up to the bottom of the oil cooler and secure it with the supplied hose clamps. The barb on the vehicle can be tough to get a hose over but it is possible.



Step 9: Now you will turn the inlet of oil cooler up and fill the cooler and lines through this barb. We recommend adding roughly a litre of fluid.



Step 11: Lastly you will reassemble the vehicle in reverse order by reinstalling the grill support bracket, grill cover panel and underbody protection panel.

Step 10: Once filled you will plumb the long hose from the outlet of the trans cooler in the radiator to the inlet of the oil cooler.

