



Ryder Racing Subaru EJ Cooling and Temp Sensor Adapter Kit

INSTALLATION GUIDE

Thank you for purchasing a Ryder Racing product. Disclaimer: installation of this product should only be undertaken by a licensed mechanic/technician who has experience with fitting aftermarket automotive parts. If the vehicle is to be raised, the technician should use appropriate rated jack stands or a hoist rated for the country or state, failure to do so may cause injury or death. Upon installing the Ryder Racing product(s) the driver should be aware that aftermarket parts change the driving characteristics of the vehicle and should adapt to them in controlled conditions. See ryderracing.com.au/T&C for additional information.

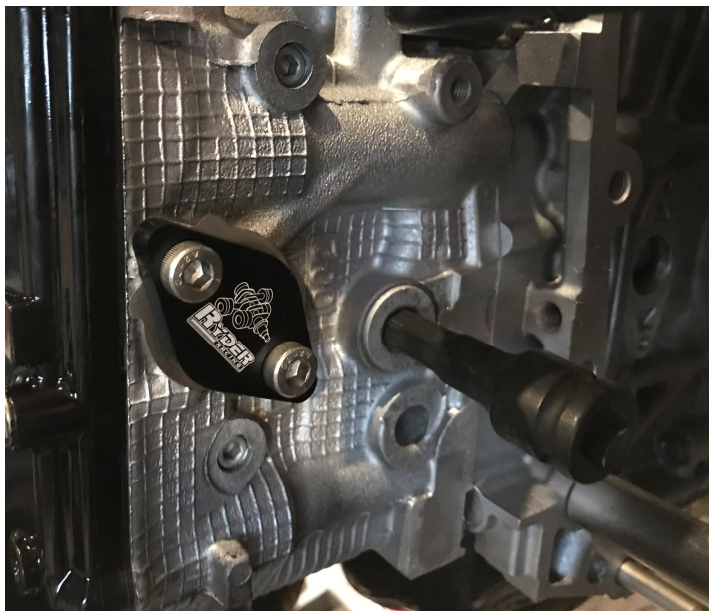
What's in the box

- 1 x Ryder Racing Billet T6 6061 Aluminum T-piece with NPT port
- 1 x 1/8th NPT grub screw
- 1 x T6 6061 Aluminum 20mm hose port
- 1 x Ryder Racing Sticker
- 4 x 316 Stainless Steel Hose Clamp
- 20cm Silicone Hose

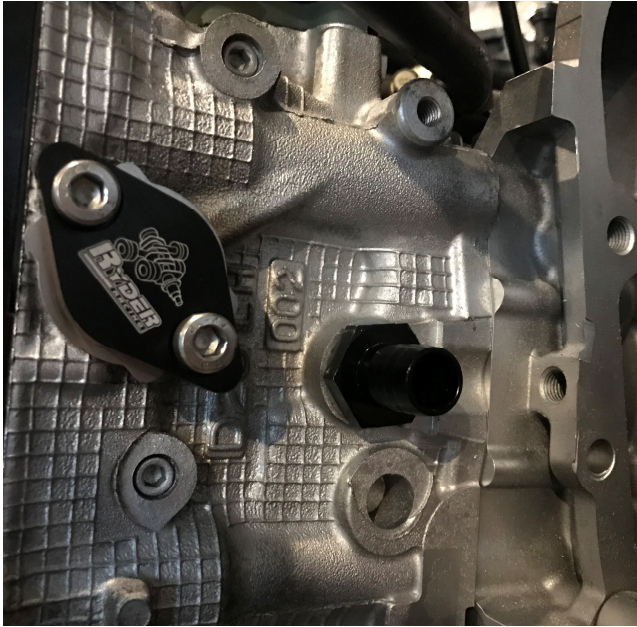
Tools Required

- 1/2" drive 27mm deep socket
- 12mm Hex Socket
- 3/16 Hex Key
- Screw driver
- Cutting blade
- ThreeBond TB1386B-50

How It's Done

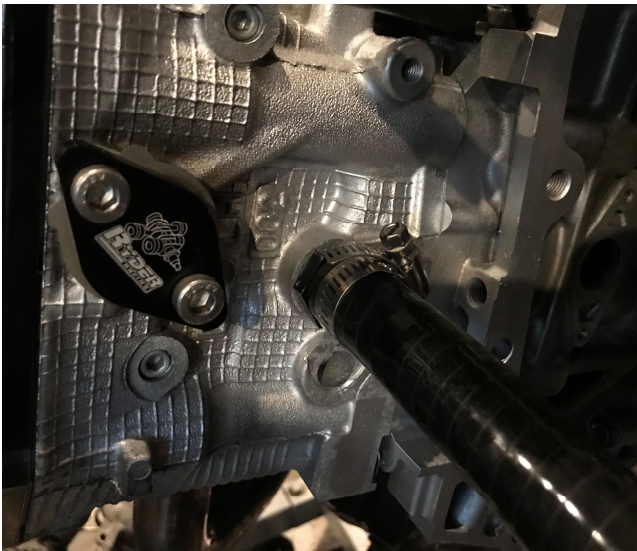


1. Drain all coolant from engine.
2. Remove top mount intercooler if it's fitted to the vehicle, this will assist with access for the installation.
3. Using a 12mm Hex socket remove the rear expansion plug from the left-hand side cylinder head, after its removed clean any debris from the threads ensuring they're not damaged.



4. Inspect the 20mm hose port and make sure the aluminum sealing ring is over the threads against the locking nut. Use the ThreeBond sealant or similar and apply it to the threads (**ensure you comply with the nominated curing time**). Hand tighten the hose port into the hole where you removed expansion plug.

5. Use a 27mm deep socket and torque wrench tighten to 32nm.



6. Place the silicone hose over the tube and tighten one of the hose clamps.



7. If you are using a 1/8th NPT temperature sensor apply the same technique treating the sensor thread the same as the grub screw). Apply ThreeBond to the threaded section of the grub screw or threaded section of your sensor, hand tighten the grub screw or sensor into

the threaded socket of the T-piece. Use a 3/16 Hex Key and tighten the grub screw firm, apply the same if using a sensor (**be careful not to over tighten as you will potentially crack the T-piece**).



8. Using the silicone as a guide bend it up towards the heater hose, attach the bottom of the T-piece and secure the second hose clamp **(the silicone hose may require trimming)**

9. Line up the T-piece with the heater hose **(this hose is attached to the rigid hose which is fed from the water**

pump). Cut two inches of the hose out and place the T-piece in the gap in between. Tighten the last remaining hose clamps.

10. Refill the coolant and bleed the system, be sure to bleed the system with the heater turned on.

Congratulation you have installed a Ryder Racing EJ Cooling Kit and Temp Sensor Adapter Kit!

Don't forget to complete you warranty registration online @

<https://ryderracing.com.au/registration-and-warranty>

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