



FABSPEED

MOTORSPO

EXOTIC CAR PERFORMANCE SPECIALISTS

Porsche 911 Turbo (930) Long-Neck Intercooler

SKU: FS.POR.911T.IC



Estimated Install Time

2:00:00

Required Tools

*Hydraulic Lift or Floor Jack & Stands
Metric Socket Set w/ Ratchet & Extensions
Screwdriver Set (Cross-type & Flat-head)
Small Flashlight (Optional)*

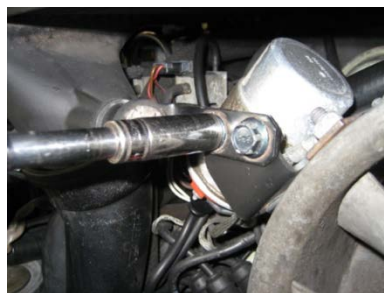
CAUTION

- *Always allow car to cool before performing any installation(s) or service(s) on it.*
- *Always be sure to work on an even and level surface when raising vehicle(s) with a jack, and support all raised vehicles with locked jack stands once elevated.*
- *Fabspeed Motorsport recommends that all installations be supervised or verified by a trained professional technician.*
- *Fabspeed Motorsport is not responsible for any personal injury or damage(s) sustained to a vehicle during installation of aftermarket performance parts.*

1. Begin disassembly by disconnecting all hoses attached to the factory intercooler. Depending on the model year there will be one or two hoses on the right side and one hose on the left underside.



2. Using a 13mm hex socket, remove the two bolts securing the intercooler on the top side then remove the two bolts on the front.



3. Carefully remove the intercooler by lifting up. **NOTE:** The intercooler is sealed to the throttle valve and turbocharger with O-rings, which may make it difficult to remove. Use care.



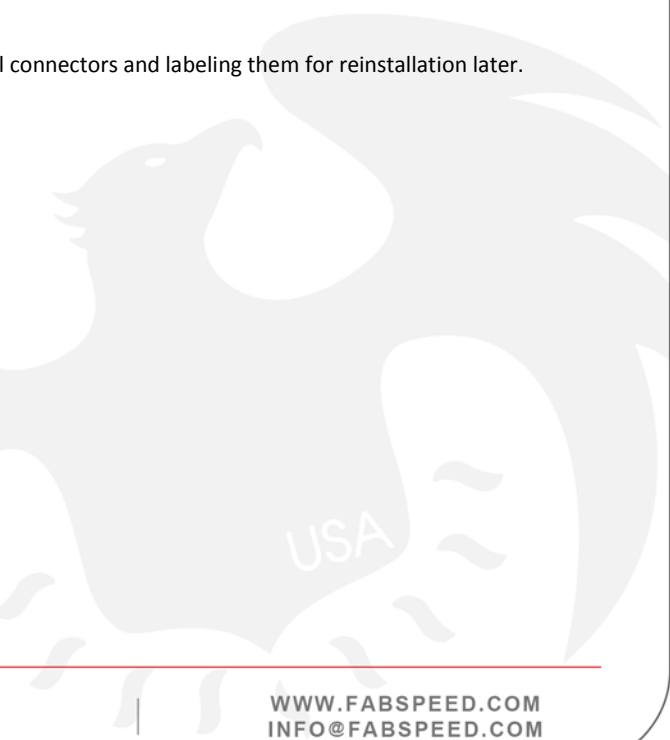
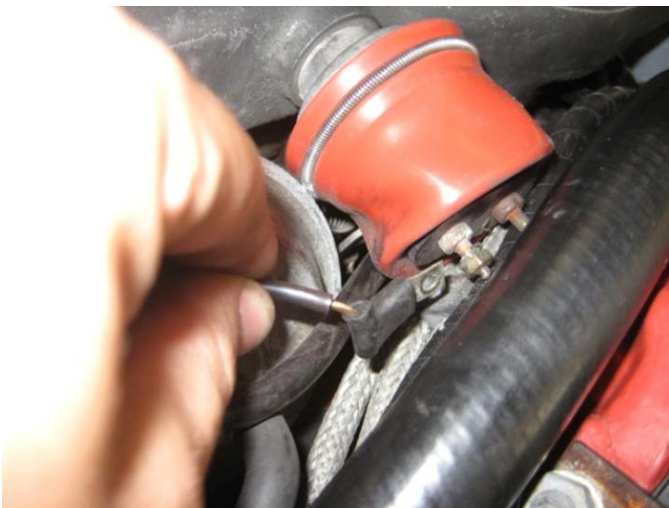
4. Remove the cast aluminum adapter pipe from the turbocharger outlet. This is also an O-ring connection.



5. Be sure to block off the exposed turbocharger outlet to prevent debris from falling in.



6. Begin removal of the recirculation body by disconnecting all electrical connectors and labeling them for reinstallation later.



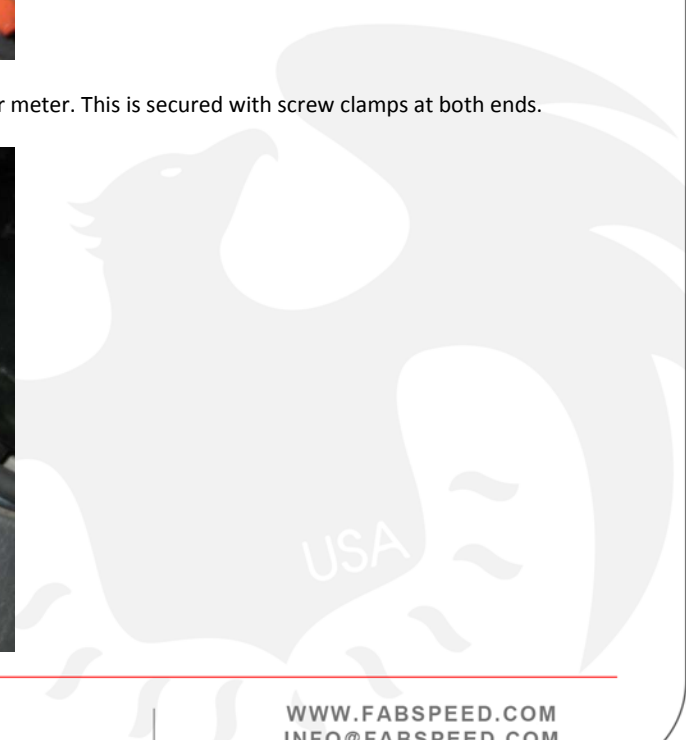
7. Disconnect the small vacuum line to the recirculation valve diaphragm.



8. Using a 10mm socket, remove the two bolts securing the solenoid bracket to the recirculation body. Set this aside but leave the lines and solenoids in place.



9. Remove the black plastic hose from the recirculation body to the air meter. This is secured with screw clamps at both ends.



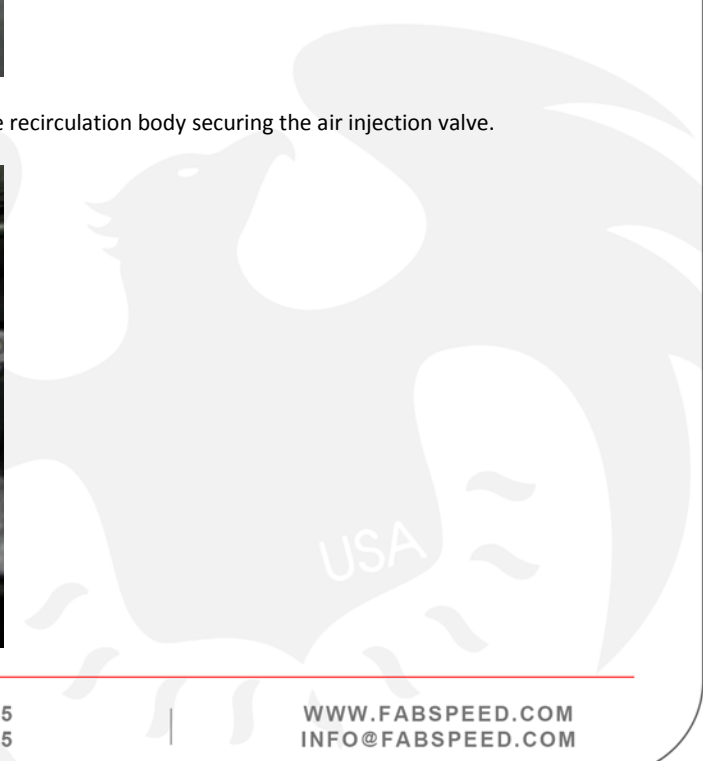
10. Remove the screw clamp attaching the turbo inlet pipe to the recirculation body.



11. Looking at the recirculation valve from above, there are two hoses connected to the rear of the valve. Remove the left hose only by loosening the hose clamp. (This is the hose attached to the rear of the gold colored diaphragm.)
12. Remove the large vacuum hose attached to the left rear of the recirculation valve by loosening the hose clamp.



13. Using a 10mm socket, remove the two bolts on the left side of the recirculation body securing the air injection valve.



14. Using a 13mm socket, remove the two bolts (left side) and one nut (right side) securing the recirculation body.



15. Carefully remove the recirculation body by lifting up and off the O-ring seal to the throttle valve.



16. Attached to the recirculation body are two pressure sensors. Using a 24mm deep socket, remove the smaller sensor. A 24mm open ended wrench will be needed for the larger one.



17. These sensors can now be installed into the Fabspeed intercooler.



18. With the recirculation body removed you will see an aluminum tee in the intake manifold with two hoses attached. (NOTE: For 1989 911T/930 Models Only - Remove these hoses and install the supplied plugs over the aluminum pipes, securing them with the supplied screw clamps)



19. At the top rear of the fan housing is a 10mm hex bolt securing a hose support to the housing. Remove this bolt and set aside.



20. Secure the solenoid bracket (with the two solenoids still attached) to the fan housing using the bolt that was just removed.



21. Reattach any vacuum lines and electrical connectors that were removed. Using the supplied vacuum hose, cut the correct length to connect the secondary air valve to the solenoid.
22. Be sure the surface of the turbocharger outlet is clean and attach the Fabspeed silicone hose with a screw clamp as shown. (Be sure the inside of all hoses are clean before installing.) Hint: A 7mm swivel socket attached to a long extension will make tightening the clamp easier.



23. Cover the exposed hose end until the intercooler is installed.

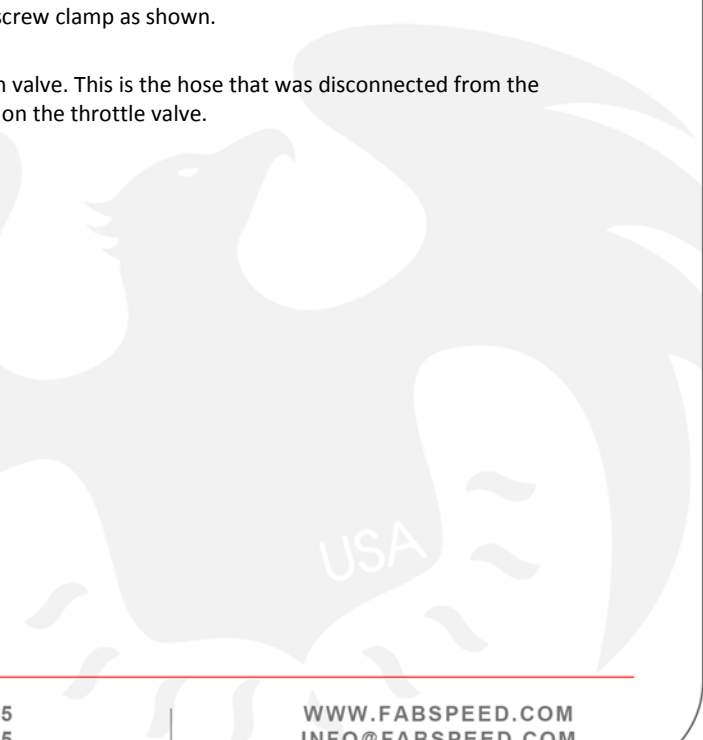
24. Attach the large Fabspeed silicone hose to the air meter and turbo inlet pipe with two screw clamps as shown



25. Using a screw clamp, attach the Fabspeed recirculation valve to the hose that was just installed. When positioned correctly the small vacuum port will face up.



26. Attach the straight silicone hose to the recirculation valve with a screw clamp as shown.
27. Attach the vacuum hose to the port on the top of the recirculation valve. This is the hose that was disconnected from the factory recirculation valve. The other end will connect to the port on the throttle valve.



28. Reattach the large hose to the air cleaner assembly.



29. On the right side of the engine, between the intake manifold and the air cleaner is the aux air regulator (AAR). Remove the factory hose and install the Fabspeed silicone hose with a screw clamp as shown. (NOTE: Depending on the orientation of the factory clamp it may be necessary to remove the air cleaner housing to remove this hose.)



30. Attach the Fabspeed silicone hose adapter to the throttle valve with a screw clamp.

31. Using a 10mm wrench, install the aluminum intercooler shroud to the underside of the factory spoiler with the supplied hardware.



32. Using a 13mm socket, loosen the two nuts securing the ignition coil. Next, loosen the screw securing the coil to the bracket with a flat head screwdriver.



33. Slide the coil down into the mount approximately 1/2", tighten the flat head screw and the 13mm securing nuts.
34. Lower the Fabspeed intercooler into position but do not connect any hoses yet.
35. Locate the wires for the two pressure sensors and reconnect them. (Brown/white stripe = large sensor, white = small sensor).



36. Connect the rubber hose to the brass fitting next to the pressure sensors. (This was disconnected from the factory intercooler.)



- 37. Now align the silicone hoses and slide the intercooler down into position. Using the supplied hose clamps attach all hoses as shown. Be sure the intercooler is fully seated before tightening the clamps.



- 38. Install the two bolts in the front of the intercooler to secure it to the engine. (These bolts were removed from the factory intercooler.)



- 39. Before starting the engine double check all hoses and electrical connections.
- 40. After starting, check for leaks around the intercooler and all hoses.

If you have any questions, comments, or concerns related to your product, please contact us!

