Installation Manual v1.0:
The Torque Pro 2000® Propane Injection System
Ford - 6.0L Powerstroke

Please read all instructions before installation.

Thank you for purchasing the ATS Torque Pro Propane Injection System. This manual is to assist you with your installation and operation of the system. If you are installing this system for a customer, please pass this manual on to your customer for future reference.

1. Disconnect the negative battery cables on both vehicle batteries.
2. Using a clean container, drain approximately 2 gallons of coolant from the radiator and save the coolant to be reused later.
3. Remove the passenger side intercooler pipe.
4. Cut the heater hose shown below and install the two supplied 90° fittings and spring clamps. Cut the MAP Hose as well and insert the brass splice attached to the Hobbs switch. The brass splice has two different size holes, make sure the end with the small hole goes to the MAP Hose section that goes to the engine’s intake manifold.

![Diagram showing heater hose and MAP hose connections]

Note: You can adjust the Hobbs switch by using a 7/32” Allen wrench on the set screw. When the set screw is all the way in (tight), the propane will be injected at boost levels of approximately 16 lbs. and higher. When the set screw is all the way out, the propane will be injected at boost levels of approximately 3 lbs. and higher. Setting the propane to come on at low boost levels will give you the greatest increase of fuel economy, but will use the most propane.

5. Install the supplied heater hose lines to the heater hose 90° fittings with spring clamps and route both lines toward the passenger side inner fender.
6. Reinstall the passenger side intercooler pipe.
7. If your air filter and/or air intake system is a less restrictive aftermarket system, you must install the silver spring into the Torque Pro Regulator. To do this, follow the instructions included with the spring kit in the Torque Pro kit.
8. If not yet assembled, put the fittings, lock-off valve, and filter (using Teflon tape) into the regulator as shown and mount the regulator to the alternator.

9. Connect the heater lines that were routed to the passenger side fender to the regulator fittings shown with the spring clamps. You may need to trim the heater line some to get it to fit nicely.

10. Remove Air Filter Assembly.

11. Remove air inlet tube from valve cover mount to turbo.

12. Drill ¾” hole in air inlet tube, approximately 4 inches in front of the turbo.
13. Insert Propane feed fitting into air inlet hose (a small amount of Ultra Black silicone sealant will help in sealing off any air leaks). Tighten the fitting with the silver nut. Make sure the feed fitting is positioned so that the slanted opening is pointed towards the turbo:

14. Route hose from propane feed fitting at intake tube to regulator. Be sure to route line to facilitate a minimum amount of bends.
15. Install the rocker switch assembly inside the cab within reach of the driver.
16. Route a *fused* +12 volt wire to the outside silver terminal of the rocker switch.
17. Route a good ground wire to the Gold terminal of the rocker switch.
18. Route a wire from one of the black wires on the lock-off valve (It does not matter which black wire you choose) to the middle silver terminal of the rocker switch.
19. Route a wire from the other black wire on the lock-off valve to one terminal on the Hobbs switch (it does not matter which terminal you choose).
20. Route a wire from the other terminal on the Hobbs switch to a good ground.
21. Now is a good time to mount the tank whether under the truck or in the bed. If you are going to mount the tank in the bed, a bulkhead fitting should be used. Note: tank must be liquid feed. **Only D.O.T. Certified Motor Fuel Tanks are legal for vehicle use.** ATS has liquid feed D.O.T. certified tanks available.

22. Using the 18 ft hose supplied in the system, route the L.P.G. hose outside of the frame rail and away from the exhaust and up to the Torque Pro 2000® to find the correct length.

23. Cut the L.P.G. hose to desired length and assemble hose fitting to hose by disassembling hose fitting and screwing the large female end in a counter-clockwise rotation onto the hose. With the female end installed on the hose, and while holding the fitting in a vise or with a wrench, place a small amount of oil on the male fitting and then screw this fitting into the female fitting in a clockwise rotation until the fittings are tight together. Route the L.P.G. Motor Fuel Tank using the same ¾” wrench. Secure hose to frame using tie wraps.

24. Connect the 5/16” L.P.G. hose assembly to the brass adapter of the Torque Pro 2000® assembly using a ¾” wrench. Connect the other end of the hose assembly to either the bulkhead fitting in the bed or to the liquid valve fitting of the L.P.G. Motor Fuel Tank using the same ¾” wrench. Secure hose to frame using tie wraps.

25. Refill the radiator with the coolant you drained and saved. Check the coolant level and check for water leaks where the new coolant lines were installed.

26. Re-attach the air intake hose from the air cleaner box to the air duct assembly.

27. With the ignition key in the on position, run a jumper wire between the positive and negative sides of the pressure switch. Now switch the cab-mounted switch to ON. The lock-off valve should click indicating proper operation of the system.

**IMPORTANT:** Slowly open the liquid valve at the tank and using a solution of soap and water in a spray bottle, check all the connections for leaks! (If any leaks exist, repair and recheck for leaks.

**CAUTION:** It is important that the vehicle’s air filter is maintained. A dirty air filter will cause excessive gas flow.

**Have Any Questions?**

Thank you for purchasing the ATS Torque Pro Propane kit. Please check our website or call for more information on the complete line of products that ATS has developed for the 6.0L Power Stroke including E-Power Tuners, High Performance Fuel System and Injectors, Head Studs and Fire Rings, Aurora Turbochargers, Five Star Torque Converter, Heavy Duty 5R110 Transmission, and Stainless Steel Exhaust

If you have trouble with this install, please call or e-mail our Technical Service Department, 8:00am to 5:30pm Mountain Standard Time, Monday through Friday and/or check our website http://www.atsdiesel.com for the latest updated instructions as well as other technical info. If you have any suggestions as to how we can improve this installation manual, let us know at Suggestions@ATSDiesel.com

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ATS Diesel Performance
Limited Warranty Statement

ATS Diesel Performance warrants the original purchaser that any parts purchased shall be free from defects in material and workmanship. ATS Diesel Performance is the warrantor of this product, in the event this produce is purchased form a distributor or retailer other that ATS Diesel Performance the customer must contact ATS Diesel Performance for any warranty concerns, not the purchasing dealer. A defect is defined as a condition that would render the product inoperable. This warranty does not cover deteriorating of plating, paint or any other coating. ATS liability is limited to the repair or replacement, at ATS’s option, of any warrantable product returned prepaid with a complete service history and proof of purchase to the factory. A valid proof of purchase is a dated bill of sale. Repaired or replaced, product will be returned to the customer, freight collect on a like-for-like part number basis. Accepted warranty units, which have been replaced, become the sole property of ATS.

A Return Product Authorization number obtained in advanced from an ATS customer service representative must accompany products returned for warranty determination. ATS will be the final authority on all warranty decisions.

This warranty shall not apply to any unit which has been improperly stored or installed, subjected to misapplication, improper operating conditions, accidents, or neglect; or which has been improperly repaired, altered or otherwise mistreated by the owner or his agent.

This warranty shall terminate at the end of 12 months in service with the original user. Labor cost incurred by the removal and replacement of an ATS product, while performing warranty work, will be the responsibility of the vehicle owner; in no case does the obligation of ATS Diesel Performance exceed the original purchase price of the product as indicated on the original bill of sale.

Except as set forth in this warranty, ATS disclaims any implied warranty, including implied warranties of merchantability and fitness for a particular purpose. ATS also disclaims any liability for incidental or consequential damages including, but not limited to, repair labor, rental vehicles, hotel costs or any other inconvenience costs. This warranty is in lieu of all warranties or guarantees, either expressed or implied, and shall not extend to any customer or to any person other than the original purchaser residing within the boundaries of the continental US or Canada.

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