Thank you for purchasing the ATS Torque Pro 2000® 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.

**Special tools needed for this install:** ¼ Jobber drill, ¾” Uni-bit.

1. Using a clean container, drain approximately 2 gallons of coolant from the radiator and save the coolant to be reused later.
2. Remove the intake hose located between the air cleaner and the air duct assembly. Use a 5/16” nut driver to loosen the two hose clamps.
3. Remove the air duct assembly. Loosen the hose clamp using a 5/16” nut driver. Then remove the two 6mm bolts holding the air duct to the valve cover bracket. Now, holding the crank case vent hose, lift the air duct assembly out. **NOTE:** Make sure you leave the vent hose and clamps attached to the valve cover.
4. **1994-1997 ONLY:** Remove turbo inlet hose using a 5/16” nut driver to loosen the hose clamps.
5. Install all of the fittings into the Torque Pro 2000® vaporizer regulator (#18). Use a thread-sealing compound such as Teflon tape. The fittings that require this sealing compound are item #’s 5, 6, 8, 19, 25, 26, and 33 of the supplied drawing. Install as illustrated.
6. On 1994-97 Powerstroke you need to drill a second hole into the valve cover bracket. Mark and drill the bottom hole 2 3/8” down from the top hole using a ¼” diameter drill (FIGURE 2).
7. Install the Torque Pro 2000® air duct assembly. Slide the air duct assembly onto the crankcase vent hose. **NOTE:** Make sure it slides on all the way.
8. With the air duct assembly hanging loose, install the turbo inlet hose between the air duct assembly and the turbo. Tighten both the hose clamps, using a 5/16” nut driver. **NOTE:** 94-97 Powerstrokes use the new molded turbo inlet hose that is supplied in the kit.
9. Install and tighten the 2 cap screws, holding the air duct assembly to the valve cover bracket. Use an 8mm socket.
10. Remove the stock heater hose from the fitting in the top of the water pump housing using a pair of pliers, and slide clamp out of the way. Reinstall this factory hose with clamp on to the hose fitting (#8) of the Torque Pro 2000® (#18).
11. Install 34” long heater hose (#13) with clamps (#4) supplied in kit to the bottom water fitting (#8) of the Torque Pro 2000®. Route water hose forward along the valve cover then upward behind alternator and between alternator and fuel filter cover. Then install hose (#13) onto water pump fitting and secure hose with (#4) using a pair of pliers.
12. Tighten all fittings and the pressure switch (#21) in the manifold assembly (FIGURE 4). Use a thread-sealing compound such as Teflon tape.
13. Install the manifold assembly (#32). Find the BP sensor. It is located on the passenger side of the engine compartment by the firewall. Now you need to cut the pressure line about 12” away from the BP sensor and install the manifold assembly (#32). Push the two hose ends all the way onto the barb fitting. No hose clamps are needed. NOTE: The small hole must face the intake manifold or drivers side of the vehicle. The large opening must face the BP sensor.

14. These instructions assume that the tank is already mounted if the tank is not mounted, this is a good time to mount the tank whether under the truck or in the bed. NOTE: If you are going to mount the tank ion the bed, the bulkhead fitting (#’s 6, 9, 17, 27) should be used (FIGURE 5). Only D.O.T. Certified Motor Fuel Tanks are legal for vehicle use.

15. Using the 18 ft hose (#12) 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® (#18) to find the correct length.

16. Cut the L.P.G. hose to desired length and assemble hose fitting (#10) to hose (#12) 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, 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 (#12) to frame using tie wraps.

17. Connect the 5/16” L.P.G. hose assembly to the brass adapter (#6) 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 (#12) to frame using tie wraps.

18. Connect one side of the pressure switch (#21) to the ground of the battery using wire and connectors supplied with system. Then wire tie the wire to the wire loom going across the engine.

19. Connect the other side of the pressure switch (#21) to the lock-off valve (#25) using wire and connectors supplied with system. Then wire tie to the wire loom going across the engine.

20. Mount the ON/OFF switch (#22) in a convenient place in the cab.

21. Run a wire from the other side of the lock-off valve (#25) to the inside the cab to the ON/OFF switch (#22).

22. Run a wire from the switch (#22) to a keyed power source (make sure it is a fused connection).

23. 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.

24. Re-attach the air intake hose from the air cleaner box to the air duct assembly, and tighten both hose clamps.

25. 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.
We strive to make our instructions as clear and complete as possible. To achieve this, our instructions are under constant construction. We encourage you to visit our Technical Support Website (http://www.atsdiesel.com/ATSWebsite/Technical.asp) to check for the most up-to-date manuals and diagrams as well as other information. If you have any suggestions as to how we can improve this installation manual, let us know at Suggestions@ATSDiesel.com

**Have Any Questions?**

Thank you for purchasing the ATS Torque Pro 2000 Propane kit. Please check our website at http://www.atsdiesel.com for technical support and other performance products such as the Five Star™ torque converter, ATS High Performance Valve Body and ATS High Performance Transmission along with our full line of power enhancers. Please call or e-mail our Technical Service Department, 8:00am to 5:30pm Mountain Standard Time, Monday through Friday.

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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.

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