

# 2009-2010 Ford F-150 High Output Intercooled System Installation Guide



The **ULTIMATE** Power Adder™

Accessible Technologies, Inc.  
14801 W. 114th Terrace  
Lenexa, KS 66215  
Phone: 913.338.2886  
Fax: 913.338.2879  
techserv@procharger.com

All rights reserved. Accessible Technologies Inc. hereby grants permission to use and reproduce this document for personal use, provided that all copyright information be retained. Reproduction of this document for unauthorized commercial use is strictly prohibited.

Information in this document is subject to change without notice.

ProCharger is a registered trademark and The Intercooled Supercharging Experts!<sup>™</sup> and Designed to Blow Away the Competition<sup>™</sup> are trademarks of Accessible Technologies, Inc. and may not be used without express permission.

## INTRODUCTION

Congratulations on purchasing your ProCharger® 2009-2010 F-150 High Output Intercooled System. Read this entire manual before you attempt to install your ProCharger kit. It is imperative that you follow all of the instructions in the order they appear in this installation guide. If you have any questions regarding any aspect of this installation, call us at (913) 338-2886.

For best results, we recommend reviewing the installation instructions beforehand, and following the installation instructions closely and in sequence. A detailed packing list has been provided to assist you in identifying the components of your ProCharger system.

### Required Tools and Supplies

- 3/8" Socket Set (standard & metric)
- 1/2" Socket Set (standard & metric)
- 1/2" Breaker Bar
- T20 Torx Bit
- Open End Wrench Set (standard & metric)
- 3/8" Hex Bit Set (standard & metric)
- Flat Screwdrivers
- Phillips Screwdrivers
- Plier Set
- Loctite 272
- Drill and 1/2" Drill Bit
- Solder & Soldering Iron
- Heat Gun



**Warning:** Your supercharged F-150 must always be run on 91 octane or better gas.

You should also have the following gauges available to properly check the finished installation and monitor your vehicle's performance (especially for testing):

- Manifold Boost Pressure Gauge
- Fuel Pressure Gauge
- Wide Band Oxygen Sensor and Gauge

Gauges should be of a type that can be read from the cockpit while performing a wide-open throttle road test. Cockpit or hood-mounted gauges are preferable. In order to obtain usable readings, the gauges should measure pressure at the intake manifold and fuel rail. **IF VEHICLE DOES NOT MAINTAIN PROPER FUEL PRESSURE (50-65 PSI), DECREASE THROTTLE APPLICATION IMMEDIATELY.** In some cases, extra vehicle modifications can strain the stock fuel pump. If your vehicle has difficulty retaining adequate fuel pressure, contact ATI ProCharger about the availability of an upgraded fuel system.

The engine on which the ProCharger® is to be installed should retain the factory compression ratio. If it has been modified in any way, please consult ProCharger staff before proceeding with the installation. This supercharger system is intended for use on STOCK, strong, well-maintained engines/transmissions. Installation on a worn or troublesome powertrain should be reconsidered. **ATI PROCHARGER WILL NOT BE HELD RESPONSIBLE FOR DAMAGE TO A VEHICLE'S POWERTRAIN.** ATI ProCharger is not responsible for ECM tuning/programming on non-stock vehicles. ATI PROCHARGER recommends verifying that your vehicle has current ECM updates from the vehicle manufacturer before installation.

For best performance and reliability, always use premium grade fuel (91 octane or higher) and listen closely for signs of detonation, which might sound like ball bearings rolling around in a tin can. **IF DETONATION SHOULD OCCUR, OR IF YOU ARE UNSURE WHETHER WHAT YOU'RE HEARING IS DETONATION, DECREASE THROTTLE APPLICATION IMMEDIATELY** and please consult ATI ProCharger staff. Detonation should not be an issue with a properly installed intercooled supercharger system, though OEM factory-shipped engine and parts inconsistencies are possible on any vehicle.

# TABLE OF CONTENTS

Introduction .....	i
Table of Contents .....	ii
Getting Started.....	1
Getting Started.....	6
Main Bracket Assembly .....	8
Intercooler and Tubing .....	10
Vacuum Manifold .....	18
MAF Wiring Harness .....	19
PCV System.....	20
Coolant Tank.....	21
Final Assembly.....	22
Tuning.....	24
Operation and Maintenance .....	26
Limited Warranty .....	28
ProCharger Extended Coverage .....	29
Notes.....	30

## GETTING STARTED



Completion of this section will configure the vehicle for system installation:

- (A) Factory Air Filter Box
- (B) Mass Airflow (MAF) Sensor
- (C) Factory Inlet Pipe
- (D) Throttle Body Intake
- (E) Resonator Box

**!** Read and understand all safety precautions in this manual before installation. Failure to comply with instructions in this manual could result in personal injury, property damage, and/or voiding your warranty.

## Getting Started

- 1 Disconnect the negative battery cable from the battery (8mm).
- 2 Disconnect the Mass Airflow Meter (MAF) wiring harness from the intake tube by first pulling out the red locking tab and then pressing in the center tab and pulling out.
- 3 Loosen the two hose clamps (5/16") on the intake tube and remove the intake tube.
- 4 Unclip the retainers and remove the upper portion of the air filter box and the air filter.
- 5 Using a T20 Torx bit, remove the MAF sensor from the air filter box and set aside for reuse later. The rest of the intake system will not be re-installed.



Disconnect MAF Harness From Intake Tube & Remove Intake Tube



Remove MAF Sensor From Air Filter Box

- 6 Unhook the PCV hose from the passenger's side of the throttle body intake.
- 7 Remove the resonator box from the driver's side of the throttle body intake.
- 8 Remove the four bolts (10mm) and remove the throttle body intake.
- 9 Disconnect the overflow hose from the coolant reservoir, remove the two mounting bolts (13mm) and remove the air filter box/coolant reservoir.



Remove Throttle Body Intake



Remove Air Filter Box/Coolant Reservoir

## Getting Started

- 10 Remove the driver's side air deflector.
- 11 Remove the wiring harness from the stud holding the power steering reservoir. Remove the power steering reservoir from the radiator shroud (10mm) and place out of the way next to the brake reservoir. Replace the stud and secure the wiring harness.
- 12 Remove the passenger's side PCV hose from the valve cover. Plug the valve cover tube with the supplied 3/8" vacuum cap and secure with a #4 hose clamp.
- 13 Remove the driver's side PCV hose from the intake manifold and the valve cover. Plug the intake manifold tube with the supplied 5/8" vacuum cap and secure with a #10 hose clamp.



Remove Air Deflector



Remove PCV hoses



- 14 Remove the two front bolts (8mm) on the throttle body.
- 15 Turn over the throttle body weight, install the supplied 1/4" tall spacers and secure with the bolts removed in the previous step.
- 16 Remove the nut (15mm) holding on the ignition coil capacitor and then remove the stud (18mm) from the engine.
- 17 Remove the engine front cover bolt (18mm) that is directly above the power steering pump.
- 18 Remove the two push-in retainers from the bottom side of the radiator shroud, unclip and rotate up to access the engine fan.
- 19 Remove the four bolts securing the engine fan blades, remove and set aside to re-install following bracket installation.



Remounted Throttle Body Weight



Remove Stud &amp; Bolt From Engine



Engine Fan Blade Access

# FUEL INJECTOR UPGRADE FOR RAPTOR ONLY

✓ Note: A fuel injector upgrade is required only for Non-Flex Fuel Vehicles. If you have a '5' in the eighth position of the vehicle VIN you must complete this section. If you have a 'V' in the eighth position of the vehicle VIN, you have a Flex Fuel Vehicle and do not need to complete this section. Fuel injectors are supplied only if required in full systems.

! Warning: Tuner kits do not include fuel injectors. If the vehicle requires fuel injectors (as outlined above), they must be purchased and installed prior to starting the vehicle or serious damage may occur.


! Warning: This is a high pressure fuel system. When working on the fuel system, there will be a small amount of fuel leakage when the injectors are initially disconnected. Caution should be taken to minimize/contain this leakage. Avoid any exposure of this leakage to spark, flame or any other potential ignition sources.



Fuel Rail Retaining Bolts

- 1 Verify that the negative battery cable is disconnected.
- 2 Open the gas cap to relieve fuel pressure if you have not already done so.
- 3 Remove the four fuel rail retaining bolts.

- 4 Depress the fuel injector wiring harness connector clips and unplug each connector.
- 5 Pull up each fuel rail to pull the injectors from the intake manifold.
- 6 Remove the injector retaining clips. Remove each injector from the fuel rail or the intake manifold.
- 7 Replace the factory injectors with the supplied 39 lb/hr units.

 Tech Tip: Lubricate the o-rings with a small amount of fresh engine oil before installing. Install each injector into the intake manifold and then install the fuel rail onto the injectors. Make sure each injector is rotated properly so it does not interfere with the intake manifold or anything else. The fuel injector retainer clips will not be reused.

- 8 Reconnect the wiring harness to each injector and install the fuel rail retaining bolts.



**CAUTION:** Never re-use fuel injector o-ring seals, as they lose elasticity over time and could cause a fuel leak and/or potential fire.

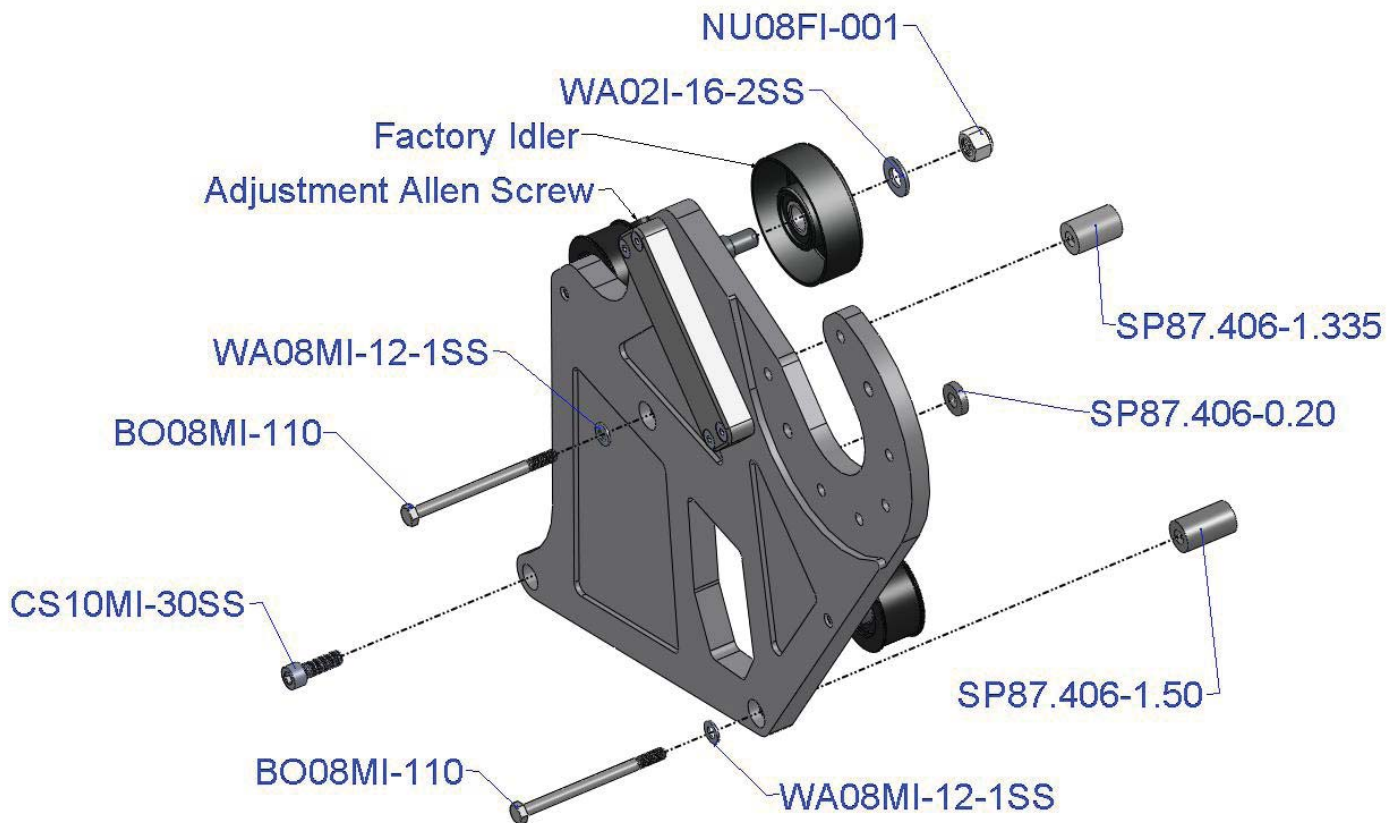
# MAIN BRACKET ASSEMBLY

- 1 Remove the factory belt and discard.
- 2 Remove the factory idler and mount to the supplied bracket.
- 3 Install the supplied belt and leave slack where ProCharger mounts.

**!** Warning: Belt must be installed prior to bracket installation.



Remove Idler Pulley



Main Bracket Assembly

4 Connect the bracket to the engine using the two supplied M8 X 110mm hex head cap screws (these will mount where the previously removed studs were) and one M10 X 30mm socket head cap screw and spacers. Install the ignition coil capacitor behind the top left spacer. Tighten all three fasteners.

5 Once assembled, make sure the wire on the ignition coil capacitor is not in the belt path and zip tie it to the factory wiring harness.

6 Mount the ProCharger onto the main bracket using the supplied 5/16"-18 X 3/4" and 3/8"-16 X 7/8" socket head cap screws. Tighten all eight fasteners.

7 Raise the adjustable idler tensioner to the top position to aid in belt installation by loosening the locknut and then turning the allen screw clockwise.

8 Finish installing the supplied belt.

9 Tension the belt by turning the allen screw counter-clockwise until the factory tensioner is near the stop on the right, but still allowing it to float.

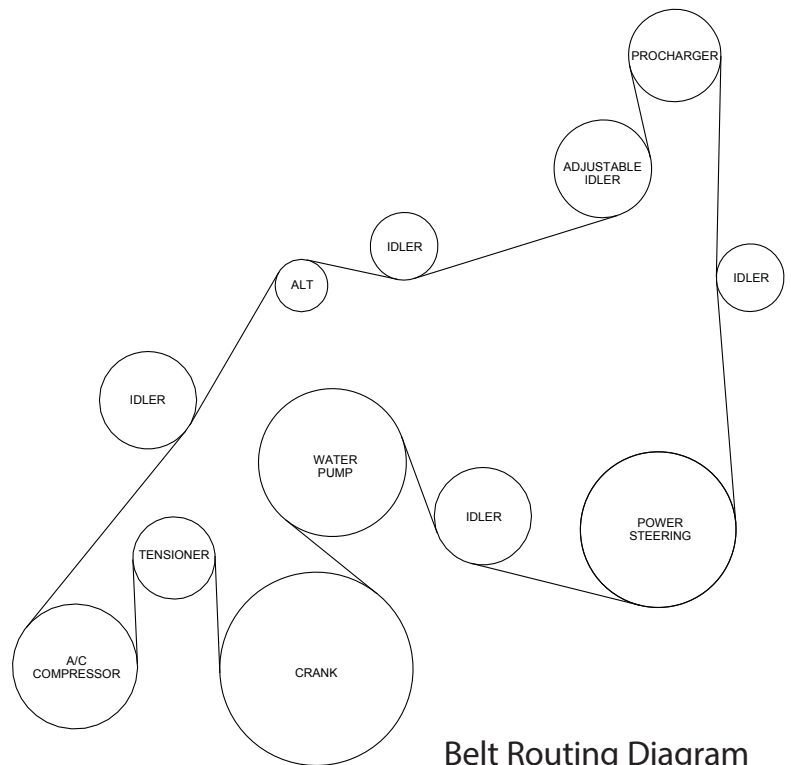
10 Tighten the locknut on the adjustable idler shaft to lock it in position.

11 Replace the engine fan blades and secure with the four factory bolts.

12 Rotate the radiator shroud down and secure it with the two factory push-in retainers.



Main Bracket Mounted

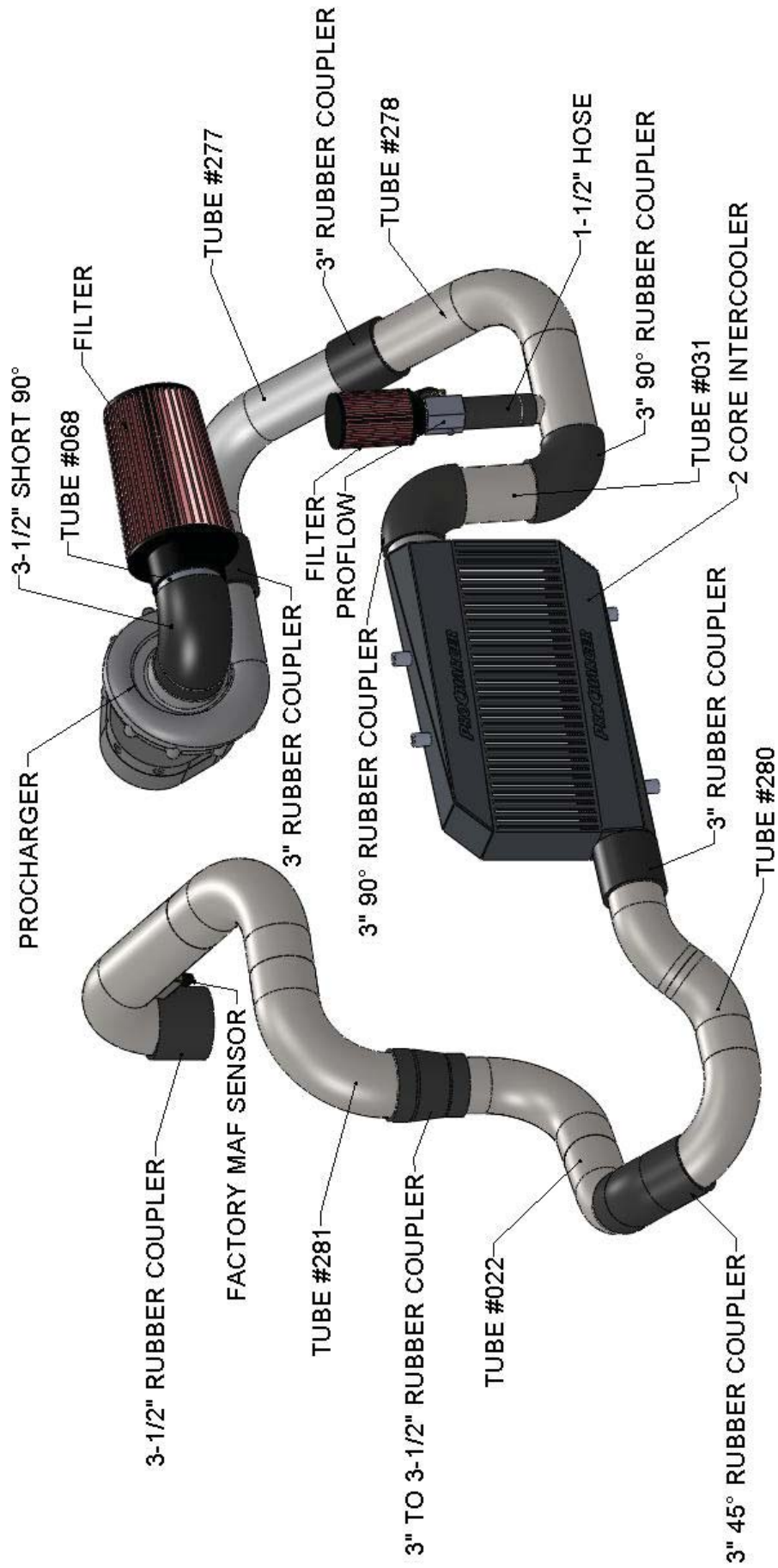


Belt Routing Diagram



Factory Tensioner

# 2 CORE INTERCOOLER SCHEMATIC



## 2 CORE INTERCOOLER AND INSTALLATION

- ✓ Tech Tip: To ease installation, leave hose clamps and brackets loose until all tubes have been positioned. Trim rubber connectors as desired after test fitting all tubing to determine proper length required.

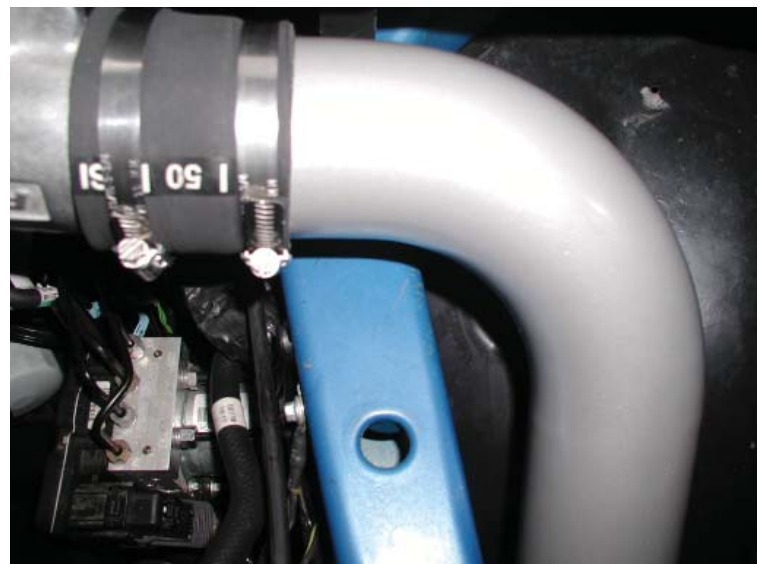
3 Core Installation starts on page 12

- 1 Remove both headlights and air deflectors and set aside.
- 2 Remove the two bolts (10mm) from the hood latch, install the upper intercooler bracket behind the hood latch, and re-install the hood latch bolts.
- 3 Remove the two bolts (8mm) from the front bumper cover tabs.
- 4 Install the two lower intercooler brackets on top of the metal bracket and under the front bumper cover tabs and re-install the two bolts removed in the previous step.
- 5 Mount the intercooler using four 3/8"-16 X 7/8" socket head cap screws with washers (2 are on the bottom of the intercooler).

- ✓ Tech Tip: All hose connections for the intercooler tubing will utilize the #52 hose clamps except the couplers which connect to the 3-1/2" intake tube. Use the #64 hose clamps for this tube.



Intercooler & Brackets Installed

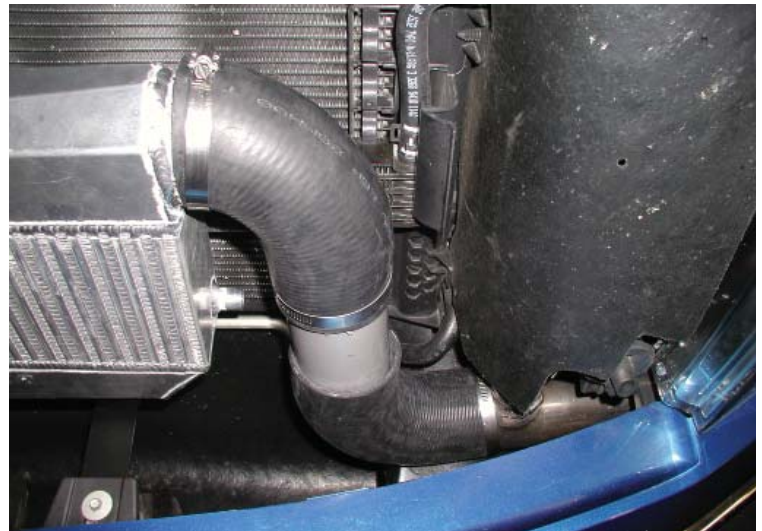


Blower Discharge

- 6 Connect the ProCharger to the blower discharge tube (#277) using a 3" rubber coupler and two #52 hose clamps.

## Intercooler and Tubing

- 7 Connect the blower discharge tube (#277) to the 90° surge tube (#278) using a 3" rubber coupler and two #52 hose clamps.
- 8 Connect the 90° surge tube (#278) to the 3" X 7" tube (#031) using a 3" 90° rubber coupler and two #52 hose clamps.
- 9 Connect the 3" X 7" tube (#031) to the intercooler using a 3" 90° rubber coupler and two #52 hose clamps.
- 10 Connect the offset 45° & 90° tube (#280) to the intercooler using a 3" rubber coupler and two #52 hose clamps.
- 11 Connect the twisted 45° & 90° tube (#022) to the offset 45° & 90° tube (#280) using a 3" 45° rubber coupler and two #52 hose clamps.
- 12 Mount the factory MAF sensor to the bung located on the supplied throttle body tube (tube #281). Use the supplied M4 X 12mm hex head cap screw with a 7mm nut driver for installation. Be sure the arrow located on the MAF points towards the throttle body.



Intercooler Inlet



Intercooler Outlet



Factory MAF Installed in Intake Tube



- 13 Connect the intake tube (#281) to the twisted 45° & 90° tube (#022) using a 3" to 3-1/2" rubber coupler and one #52 hose clamp and one #64 hose clamp.
- 14 Connect the intake tube (#281) to the throttle body using a 3-1/2" rubber coupler and two #64 hose clamps.
- 15 Secure all connections with the provided hose clamps and tighten all intercooler bracket fasteners.
- 16 Connect the ProFlow surge valve to the 1-1/2" bung on the 90° surge tube (#278) using the 1-1/2" rubber hose and two #24 hose clamps.
- 17 Install the supplied air filter onto the ProFlow surge valve and secure with the supplied hose clamp.
- 18 Re-install the headlights.
- 19 Trim and re-install the air deflectors as desired.



Twisted Tube to Intake Tube (Passenger's Side)

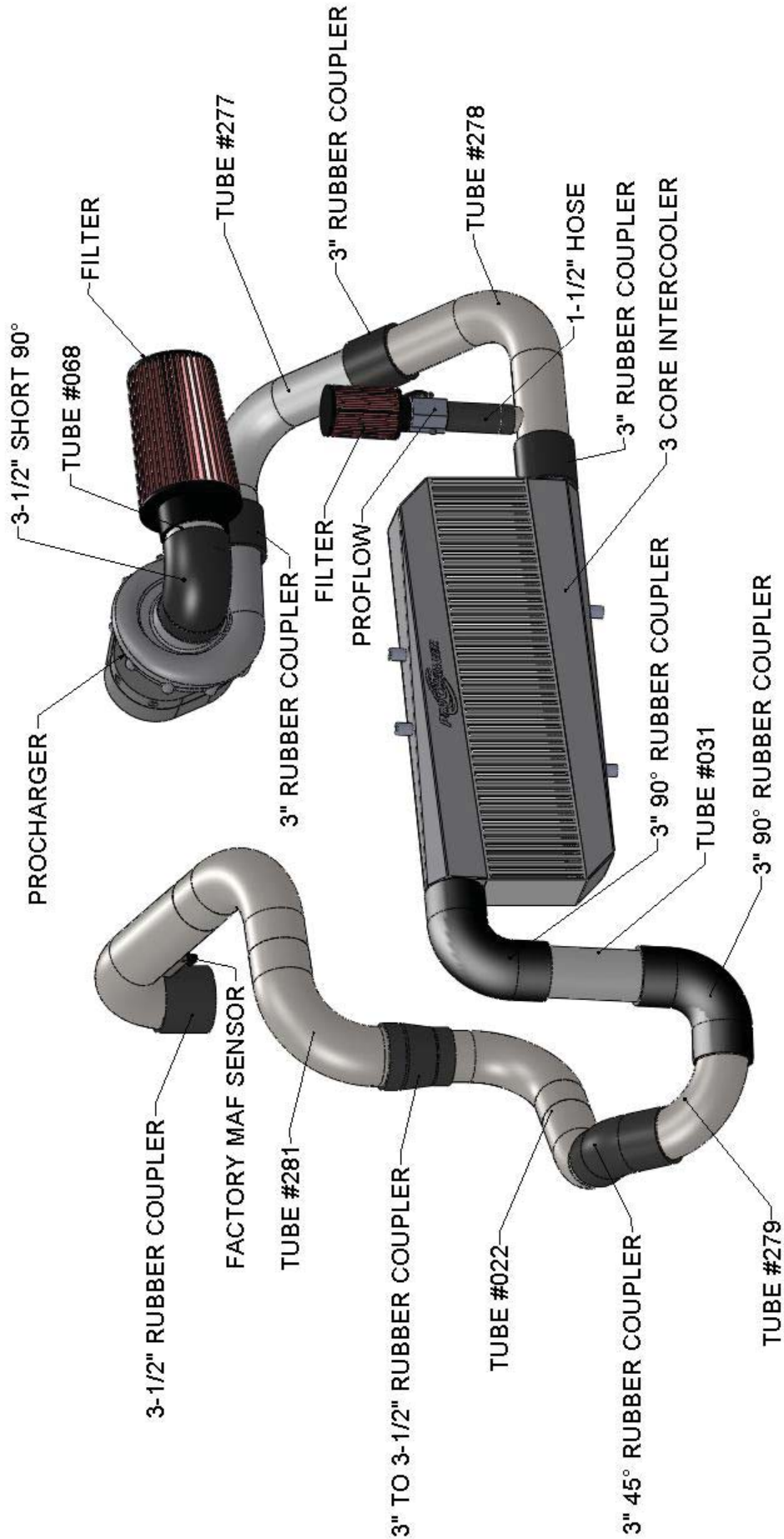


Intake Tube



ProFlow Installed

# 3 CORE INTERCOOLER SCHEMATIC



## 3 CORE INTERCOOLER AND INSTALLATION

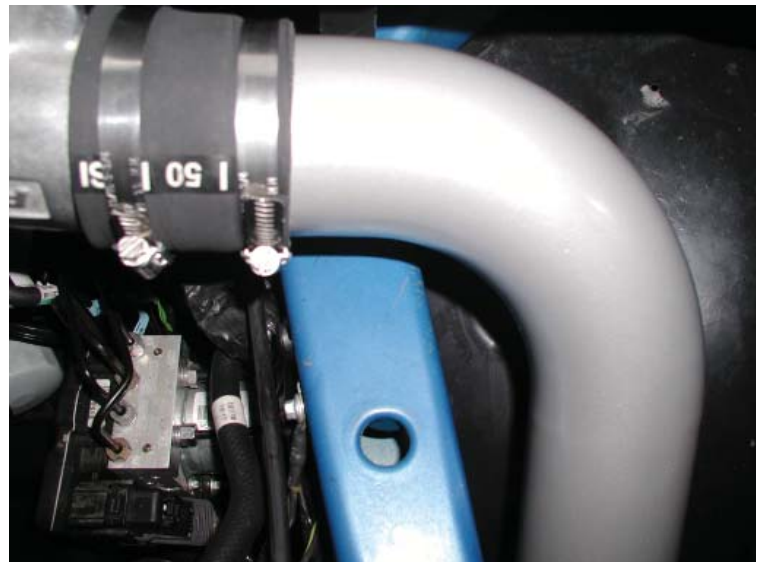
✓ Tech Tip: To ease installation, leave hose clamps and brackets loose until all tubes have been positioned. Trim rubber connectors as desired after test fitting all tubing to determine proper length required.

- 1 Remove both headlights and air deflectors and set aside.
- 2 Remove the two bolts (10mm) from the hood latch, install the upper intercooler bracket behind the hood latch, and re-install the hood latch bolts.
- 3 Remove the two bolts (8mm) from the front bumper cover tabs.
- 4 Install the two lower intercooler brackets on top of the metal bracket and under the front bumper cover tabs and re-install the two bolts removed in the previous step.
- 5 Mount the intercooler using four 3/8"-16 X 7/8" socket head cap screws with washers (2 are on the bottom of the intercooler).

✓ Tech Tip: All hose connections for the intercooler tubing will utilize the #52 hose clamps except the couplers which connect to the 3-1/2" intake tube. Use the #64 hose clamps for this tube.



Intercooler & Brackets Installed



Blower Discharge

- 6 Connect the ProCharger to the blower discharge tube (#277) using a 3" rubber coupler and two #52 hose clamps.

## Intercooler and Tubing

- 7 Connect the blower discharge tube (#277) to the 90° surge tube (#278) using a 3" rubber coupler and two #52 hose clamps.
- 8 Connect the 90° surge tube (#278) to the intercooler using a 3" rubber coupler and two #52 hose clamps.
- 9 Connect the 3" X 7" tube (#031) to the intercooler using a 3" 90° rubber coupler and two #52 hose clamps.
- 10 Connect the 6" 90° tube (#279) to the 3" X 7" tube (#031) using a 3" 90° rubber coupler and two #52 hose clamps.
- 11 Connect the twisted 45° & 90° tube (#022) to the 6" 90° tube (#279) using a 3" 45° rubber coupler and two #52 hose clamps.
- 12 Mount the factory MAF sensor to the bung located on the supplied throttle body tube (tube #281). Use the supplied M4 X 12mm hex head cap screw with a 7mm nut driver for installation. Be sure the arrow located on the MAF points towards the throttle body.



Intercooler Inlet



Intercooler Outlet



Factory MAF Installed in Intake Tube

- 13 Connect the intake tube (#281) to the twisted 45° & 90° tube (#022) using a 3" to 3-1/2" rubber coupler and one #52 hose clamp and one #64 hose clamp.
- 14 Connect the intake tube (#281) to the throttle body using a 3-1/2" rubber coupler and two #64 hose clamps.
- 15 Secure all connections with the provided hose clamps and tighten all intercooler bracket fasteners.
- 16 Connect the ProFlow surge valve to the 1-1/2" bung on the 90° surge tube (#278) using the 1-1/2" rubber hose and two #24 hose clamps.
- 17 Install the supplied air filter onto the ProFlow surge valve and secure with the supplied hose clamp.
- 18 Re-install the headlights.
- 19 Trim and re-install the air deflectors as desired



Twisted Tube to Intake Tube (Passenger Side)



Intake Tube

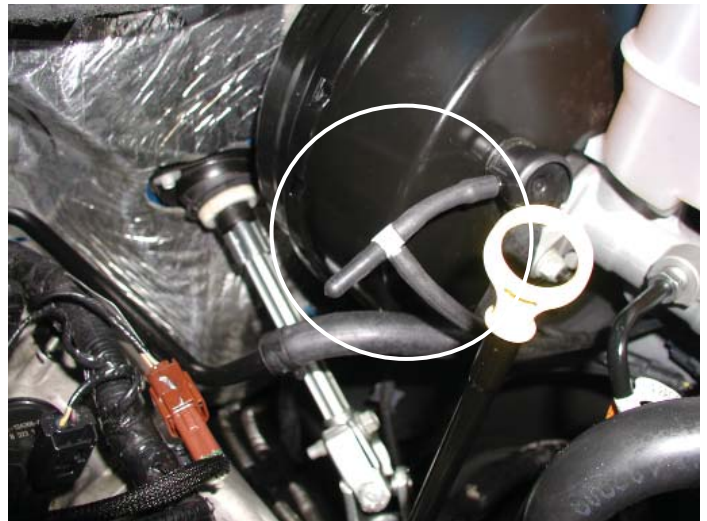


ProFlow Installed

## VACUUM MANIFOLD

- 1 Connect one end of the vacuum line to the barb fitting on the ProFlow.
- 2 Route the vacuum line along the inner fender support rail.
- 3 Cut 2" from the end of the vacuum line and install it in place of the vacuum cap on the brake booster.

**!** Warning: Improper installation of the vacuum line onto the brake booster could cause a vacuum leak and could cause the power brakes to become inoperable. Use extreme caution in installing the vacuum line to prevent any possible leaks.



Vacuum Manifold Installed

**!** Warning: Ensure the vacuum line is free of kinks and is not pinched by zip ties or the ProFlow will be inoperable, which may result in damage to the ProCharger from surging.

- 4 Install the supplied T-fitting into the end of the 2" vacuum line.
- 5 Connect the end of the vacuum line from the ProFlow to the T-fitting.
- 6 Install the supplied vacuum cap onto the remaining T-fitting barb. This connection may be used if installing a manifold pressure gauge.
- 7 Loosely secure the vacuum line with zip ties.

# MAF WIRING HARNESS

- 1 Verify that the battery is disconnected.
- 2 Connect the supplied MAF harness to the factory harness near the radiator shroud on the driver's side and push in the red retainer to lock.
- 3 Route the MAF wiring harness along the inner fender support rail, then over to the MAF sensor in the intake tube.
- 4 Connect the MAF plug to the MAF sensor and push in the red retainer to lock.
- 5 Secure the MAF wiring harness with zip ties.



MAF Wiring Harness Connected to Sensor

## PCV SYSTEM

- 1 Attach the supplied 5/8" hose to the driver's side valve cover and secure with a #10 hose clamp.
- 2 Drill a 1/2" hole in the end of the air filter.
- 3 Install the 5/8" 90° barb fitting in the end of the air filter.
- 4 Route the 5/8" hose over the blower discharge tube, attach to the fitting installed in the air filter and secure with a #10 hose clamp.



PCV Line Connected to Valve Cover



PCV Line Installed in Air Filter



# COOLANT TANK

- 1 Disconnect the small hose from the power steering reservoir. Insert the supplied 3/8"x3/8" barb connector into the factory hose and attach the supplied 3/8" hose to the other end. Secure with two #6 hose clamps. Attach the other end of the supplied hose to the power steering reservoir and secure with a #6 hose clamp.
- 2 Place the supplied coolant tank along the driver's side inner fender, inserting the lower mounting pin into the factory rubber bushing.
- 3 Secure the tank to the inner fender using two M8 X 20mm bolts with washers.
- 4 Trim the factory overflow hose as required, connect it to the barb fitting on the coolant tank and secure it with a #4 hose clamp.
- 5 Mount the power steering reservoir to the bracket on the coolant tank using the supplied M6 X 20mm bolt, washers and locknuts.
- 6 Refill the coolant system by filling the coolant tank with a 1/2 gallon of a 50/50 blend of Ford approved engine coolant (refer to vehicle's owner's manual) and distilled water.
- 7 Cut the strap near the edge of the factory coolant tank cap and install it onto the new coolant tank.



Power Steering Hose Extension



Coolant Tank Installed



Factory Coolant Tank Cap Removal

## FINAL ASSEMBLY

- 1 Slide the supplied 3-1/2" short 90° rubber coupler onto the blower inlet and slide two #64 hose clamps onto coupler.
- 2 Slide the 3-1/2" coupler tube (#068) into the air filter with the supplied hose clamp in place.
- 3 Slide the air filter with tube into the 90° coupler as shown. Adjust as needed and tighten all hose clamps.
- 4 Install the intake cover base by rotating 90° forward and 90° clockwise from the installed position. Placing the right leg under the intake tube, slide into position and rotate 90° counter-clockwise and 90° back into installed position.
- 5 Install four M6 X 20mm hex head cap screws with washers into the intake manifold on the inside of the base and tighten all fasteners.
- 6 Slide the top cover into position under the intake tube on top of the base.
- 7 Install four 1/4"-20 X 3/4" button head cap screws with rubber washers facing cover face and tighten all fasteners.
- 8 Reconnect the negative battery cable to the battery.



Air Inlet Assembly Installed



Intake Cover Base Installed



Intake Cover Installed



CONGRATULATIONS! YOU HAVE COMPLETED THE INSTALLATION OF YOUR NEW PROCHARGER SUPERCHARGER SYSTEM. FOR FULL SYSTEMS, TUNING INSTRUCTIONS ARE ON THE FOLLOWING PAGE. IF YOU DO NOT HAVE A FULL SYSTEM, ADDITIONAL TUNING WILL BE REQUIRED BEFORE STARTING THE VEHICLE. READ THE FOLLOWING PAGES CAREFULLY FOR OPERATION AND MAINTENANCE INSTRUCTIONS, AS WELL AS WARRANTY INFORMATION.

## TUNING



Note: This section only applies to full systems, which include a hand-held tuner for tuning. If you do not have a full system, additional tuning will be required before starting the vehicle.

1

Remove the hand-held tuner from its box and review the included instructions.



Note: You will be prompted to turn the key on and off; this is normal, but do not try to start the vehicle.

2

Connect the hand-held tuner to the OBD-II port located under the dash near the driver's door.

3

Your hand-held tuner comes pre-programmed with the appropriate tune for your vehicle. Select Custom Tune from the Main Menu and follow the on-screen instructions.

4

The user adjustable parameters allow you to fine tune your car and adjust for tire size and axle ratio. Changes to spark and fuel are advanced parameters and should only be adjusted by knowledgeable users.



## Troubleshooting:

- If the programmer displays an error message, reprogram the vehicle with the "Return to Stock" option rather than the "Custom Tune" before attempting to install the "Custom Tune" again.

- Voltage fluctuations are a common cause of reflashing failure. Be sure your battery is fully charged, remove the cooling fan and fuel pump fuses, keep the stereo off, and do not open or close any doors or windows while reflashing.

- Some vehicles will lock the doors during a reflashing; either stay in the car or open a window prior to reflashing to prevent getting locked out.

- Another common cause of reflashing failure is a computer that has been reflashed by a dealer to an updated calibration. Your vehicle's calibration can be verified by choosing "Read Strategy" from the DTC/Data Menu. If you have persistent tuning issues, read the strategy prior to contacting ATI Technical Support.

## OPERATION AND MAINTENANCE

### Cold Starting

Never race your engine and ProCharger supercharger when your engine is cold. Allow the water temperature to climb into operating range for several minutes before driving above 2,500 rpm, to ensure adequate oil lubrication.

### Fuel Quality

With a properly installed intercooled ProCharger supercharger system, detonation should not occur. For the best performance and reliability, use premium grade fuel (91 octane or higher). Listen for signs of detonation after refueling, and after replacement or modification of any fuel system component(s). If detonation occurs, reduce the throttle and locate the source.

### Ignition System Maintenance

If your spark plugs are more than a year old or have more than 10,000 miles logged, you should consider changing them before driving your vehicle under load. Spark plug wires should be changed if visibly damaged or when resistance exceeds factory specifications.

### Air Filter Maintenance

Your air filters should be cleaned periodically, potentially as often as every 10,000 miles or 6 months, even though a service interval of 50,000 - 100,000 miles is quoted by the manufacturer under normal driving conditions. A clogged air filter will result in decreased boost levels and vehicle performance. Be sure to re-oil the cleaned filter before re-installing. Always operate your vehicle with an air filter; failure to do so may result in damage to your ProCharger supercharger and personal injury!

### Belt Replacement

The serpentine belt, which turns your ProCharger supercharger, will stretch after initial run-in, and should be retightened after the first hundred miles. Tighten the belt sufficiently to avoid slippage, but do not overtighten. Overtightening the belt could cause damage to the ProCharger supercharger's precision bearings. When re-installing the belt, use the belt routing diagram in this manual. If you reuse a thrown belt and find that it needs frequent re-tightening, the belt is damaged and should be replaced. Gates Micro-V belts can be bought from ATI or from your local parts store.

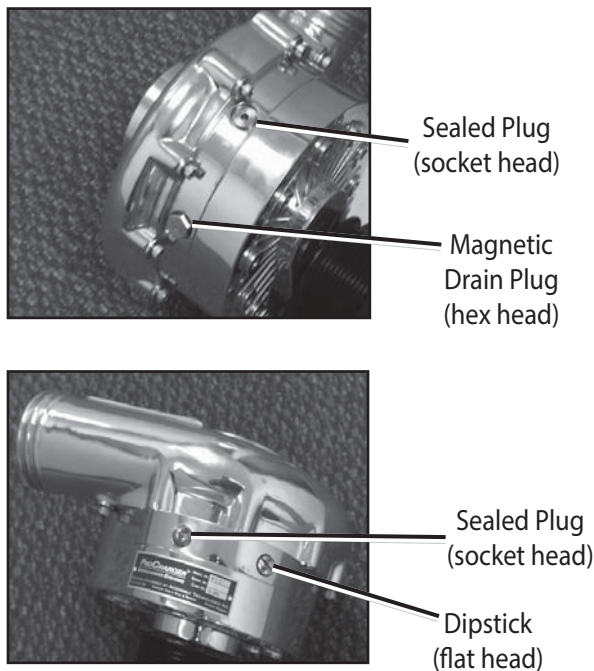
### ProCharger Oil Change Intervals

The first oil change should be performed at 500 miles and at 6,000 mile intervals thereafter. Clean the drain plug after every oil change. Drain oil by removing the drain plug. Clean off the drain plug before re-installing.

## ProCharger Oil Level

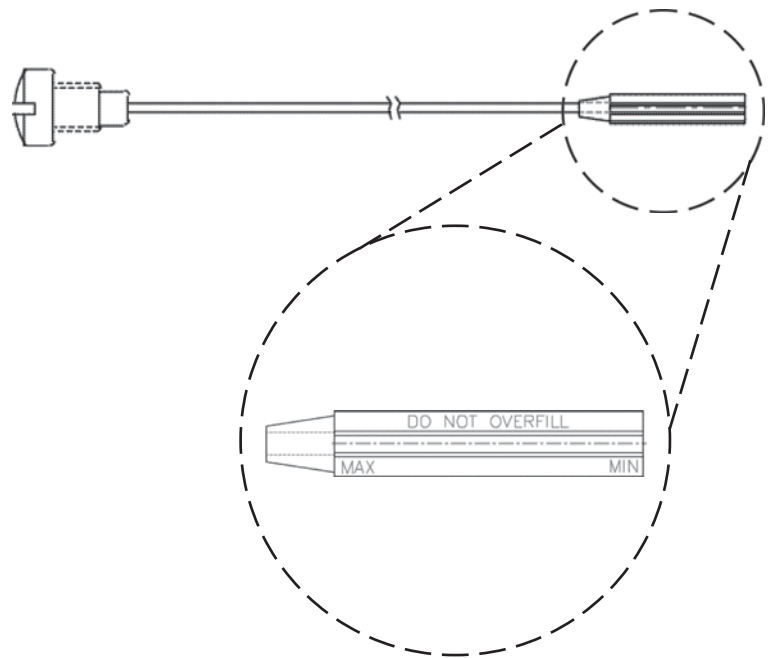
The ProCharger supercharger's oil level must be checked periodically to ensure the proper lubrication. The dipstick can be loosened using a flat blade screwdriver or a coin. When installed, the oil level should remain between the minimum (MIN) and maximum (MAX) indicators at all times.

**!** Warning: Filling the ProCharger higher than the maximum level on the dipstick can lead to bearing and seal damage. The supercharger is a sealed unit and should not normally require the addition of oil between service intervals. If excessive usage is noted, the unit should be sent to ATI for inspection and repair. The dipstick fitting should be firmly tightened after changing or checking the oil level.



## General

When removing the warning tag from the dipstick, be sure to retain the nylon washer. A spare nylon washer and o-ring is included. Use only the ATI supplied nylon washer and o-ring when servicing the oil dipstick and drain plug. A discoloration of the oil and residue on the drain plug may occur during the initial oil changes. This is normal and will gradually decrease. For the proper positioning of the ProCharger supercharger, the serial tag should be pointing upwards. Installing the ProCharger supercharger in another position will cause inadequate oiling and supercharger failure. If you have any questions about the maintenance of your supercharger, contact ATI.



## LIMITED WARRANTY

Accessible Technologies, Inc. (ATI) provides a limited twelve (12) month warranty on the ProCharger supercharger against defects in materials and workmanship unless otherwise specified. This limited warranty starts on the date of original purchase from your local dealer, or date of shipment from the factory. This limited warranty coverage is extended only to the original owner and excludes hoses, sleeves, and electronic components manufactured by other companies. IF THE SUPERCHARGER'S DRIVE RATIO IS ALTERED IN ANY WAY FROM THE FACTORY SETTING, WARRANTY COVERAGE IS VOID. USE OF ANY PULLEY NOT MANUFACTURED OR SUPPLIED BY ATI VOIDS ALL WARRANTY COVERAGE.

ATI's warranty obligations are limited to the terms below:

ATI agrees to honor a warranty claim at its sole discretion and only after inspection at the ATI factory. No warranty will be honored if any part of the product is found to have been improperly installed, tampered with, mishandled, or misused in any way. Disassembly of the ProCharger supercharger or removal of the ProCharger supercharger's serial plate voids all warranties. Claims for freight damages should be directed to the freight company.

If ATI's limited warranty applies, your product will be repaired or replaced at ATI's discretion and shipped back. If the limited warranty does not apply, ATI will advise you of the specific reason, cost of the repair, and delivery time. After advising you of this information we will, at your option, either proceed with repairs or return your product to you in the state in which it was received. In either case the product will be shipped to you, insured at replacement value. Therefore, you will pay the return shipping and insurance charges if ATI's limited warranty does not apply to your product.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. THE DURATION OF ANY AND ALL WARRANTIES ON THE PRODUCTS DISCUSSED ARE LIMITED TO THE PERIOD IDENTIFIED ABOVE. ATI IS NOT RESPONSIBLE IN ANY EVENT FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. No ATI dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

To obtain service under this warranty you must do the following during the warranty period:

Phone ATI (913-338-3086) and provide us with the following information:

- ProCharger supercharger serial number.
- Vehicle year, make, model, engine modifications, and other modifications.
- Description of perceived issue.

If a solution to your issue can not be found after the above phone consultation, you will be assigned a return authorization number (RMA). You must then properly package and ship your product, at your expense, to the ATI factory. The product should be carefully packaged in a rugged box.

Include the following information inside the box with your product:

- Copy of your original invoice or receipt.
- Name, address, and daytime telephone number.
- Return authorization number (RMA).
- Vehicle year, make, model, engine modifications, and other modifications.
- Description of perceived issue.

Clearly mark the warranty claim number on the top and one side of the box in characters at least 2" tall. Properly package the product and ship it, prepaid and insured for the retail value of the component(s) being returned, to the following address:

Accessible Technologies, 14801 West 114th Terrace,  
Lenexa, Kansas 66215

# PROCHARGER EXTENDED COVERAGE

The ProCharger Extended Coverage Program extends the ProCharger warranty coverage for an additional twenty-four (24) months, for a total of thirty-six (36) months or three years of coverage. This extended coverage applies to parts for the ProCharger supercharger head unit only and does not include other system components. With your extended coverage registration, you will receive two (2) additional boxes of ProCharger Supercharger oil.

Under the extended coverage program, Accessible Technologies, Inc. (ATI) will repair or replace any component within the supercharger head unit which is found to be defective. Only the supercharger head unit itself is included in the extended coverage.

Service under the extended coverage program is obtained through the same process as described in the Limited Warranty.

Race kits are not eligible for the ProCharger Extended Coverage Plan.

To qualify for the ProCharger Extended Coverage:

- Only the original owner of the ProCharger supercharger is eligible (extended warranty is non-transferable).
- Completion of the Extended Coverage Registration Form is required, along with a \$99 registration fee. This form must be completed in its entirety, and must be submitted along with payment within 30 days from the date of original purchase from your local dealer or date of shipment from the factory.
- Participants must have a ProCharger P-1SC, P-1SC-1, P-1X, C1, or C2 supercharger head unit using the maximum warranted boost level. All terms and conditions within "The Limited Warranty" apply. Acts resulting in disqualification include but are not limited to the following:
  - Disassembly or modification the ProCharger supercharger.
  - Removal or attempted removal of the ProCharger drive pulley(s).
  - Removal or attempted removal of the ProCharger supercharger serial number plate.
  - Removal or attempted removal of the compressor housing or transmission case.
- Participants agree to properly maintain the ProCharger supercharger and provide proof of compliance with the following recommended maintenance:
  - Change the ProCharger supercharger oil after the initial break-in period of 500 miles (automotive) or 15 hours (marine).
  - Change the ProCharger supercharger oil every 6,000 miles after the initial break-in period.
  - Use only the specified amount of ProCharger Supercharger oil in the ProCharger supercharger.
  - Inspect and clean the magnetic drain plug at every ProCharger supercharger oil change.
  - Check the ProCharger supercharger oil level frequently.



# ProCharger Extended Coverage Program Registration Form

Return this completed form and a \$99 check within 30 days of original purchase.

cut along the dotted line

Name: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_

Address: \_\_\_\_\_

Purchased From: \_\_\_\_\_

City: \_\_\_\_\_

ProCharger Serial #: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Vehicle Year: \_\_\_\_\_

Daytime phone: \_\_\_\_\_

Vehicle Make: \_\_\_\_\_

Evening phone: \_\_\_\_\_

Vehicle Model: \_\_\_\_\_

E-mail: \_\_\_\_\_

Please rank in order of importance starting with 1 being most important.

Age  18 - 24     25 - 34     35 - 44  
 45 - 54     55 and up

Income     \$15,000 - \$29,000     \$30,000 - \$44,000  
 \$45,000 - \$69,000     \$70,000 and up

Which information sources most influenced your decision to purchase a ProCharger system?

What magazines do you read?

- Car & Driver
- Car Craft
- Chevy High Performance
- Four Wheel and Off Road
- Hot Rod
- Motor Trend
- Muscle Mustangs and Fast Fords
- GM High-Tech Performance
- 5.0 Mustang
- Super Street
- Mustang Monthly
- Truck Trends
- Popular Hot Rodding
- Road & Track
- Sport Truck
- Super Chevy
- Truckin'
- Street Truck

- \_\_\_ Magazine advertising
- \_\_\_ Dealer recommendation
- \_\_\_ ProCharger Brochures
- \_\_\_ Witnessed performance on a car
- \_\_\_ Test drive
- \_\_\_ Magazine editorials
- \_\_\_ Friends
- \_\_\_ Conversations with ATI technicians
- \_\_\_ Web Site (please specify) \_\_\_\_\_
- \_\_\_ Other (please specify) \_\_\_\_\_

What most influenced your decision to purchase a ProCharger system?

- \_\_\_ Reliability
- \_\_\_ Standard warranty
- \_\_\_ Extended coverage warranty
- \_\_\_ Performance
- \_\_\_ Quiet operation
- \_\_\_ Removability (ability to return car to stock)
- \_\_\_ Cost
- \_\_\_ Ease of Installation

Who installed your ProCharger system?     Self     Dealer     Other \_\_\_\_\_

Have you own a forced induction system previously?     Yes     No

If yes:

Supercharger: Brand(s) \_\_\_\_\_ Vehicle(s) \_\_\_\_\_

Turbocharger: Brand(s) \_\_\_\_\_ Vehicle(s) \_\_\_\_\_

I have read and understand the policy for the ProCharger Extended Coverage Program. I have not and will not modify my ProCharger supercharger in any way during my participation in the extended coverage program. I have read and answered all questions on this form. I have enclosed my check for \$99, payable to ATI, for enrolling my ProCharger supercharger (serial number indicated above) in the extended coverage program for an additional twenty-four (24) months beyond the standard limited warranty period of twelve (12) months.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Mail this completed registration form with a \$99 check to ATI at: 14801 West 114th Terrace, Lenexa, KS 66215. If you have any questions, contact us at techserv@procharger.com or (913) 338-2886 8:30 AM - 5:30 PM CST, Monday - Friday.

cut along the dotted line

This Page is Intentionally Left Blank

This Page is Intentionally Left Blank



Accessible Technologies, Inc.  
14801 W. 114th Terrace  
Lenexa, KS 66215  
Phone: 913.338.2886  
Fax: 913.338.2879  
techserv@procharger.com

Accessible Technologies, Inc.  
©2019 ATI, All Rights Reserved  
Part Number PMFN1A-003 Rev. C

