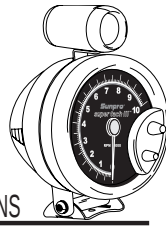


SUNPRO® SUPER TACH III™ 5" TACHOMETER CP7905

INSTALLATION INSTRUCTIONS



GENERAL INFORMATION

Please read this instruction manual and review the installation procedures carefully before attempting the installation of your tachometer.

CAUTION

This unit is designed for use on 12-volt negative (-) ground 4-cycle automotive type engines. The tachometer is compatible with most distributor and distributorless ignition systems.

PACKAGE CONTENTS

Contains Installation Hardware Kit consisting of:

Tachometer Mounting Base Pad.....	1 ea
1/4" Quick Connect Receptacle.....	1 ea
Grommet.....	1 ea
Hex Key Wrench.....	1 ea
Wire Splices.....	2 ea
Ring Terminals.....	2 ea
#10 X 5/8" Self-tapping Screw.....	2 ea

SAFETY GUIDELINES

To prevent accidents that could result in serious injury and/or damage to your vehicle or tachometer, carefully follow these safety rules and test procedures.

Fire Extinguisher

- Never work on your vehicle without having a suitable fire extinguisher handy. A 5-lb or larger CO₂ or dry chemical unit specified for gasoline/chemical/electrical fires is recommended.

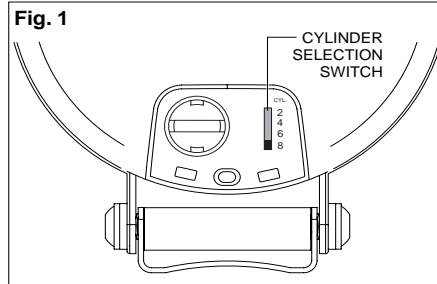
Safety Goggles

- We recommend wearing safety goggles when working on your vehicle, to protect your eyes from battery acid, gasoline, and dust and dirt flying off moving engine parts.
- Be very careful not to get your hands, hair or clothes near any moving parts such as fan blades, belts and pulleys or throttle and transmission linkages. Never wear neckties or loose clothing when working on your vehicle.
- Never wear wrist watches, rings or other jewelry when working on your vehicle. You'll avoid the possibility of catching on moving parts or causing an electrical short circuit which could shock or burn you.
- The carbon monoxide in exhaust gas is highly toxic. To avoid asphyxiation, always operate vehicle in a well-ventilated area. If vehicle is in an enclosed area, exhaust should be routed directly to the outside via leakproof exhaust hose.
- Make sure that your vehicle is in Park or Neutral, and that the parking brake is firmly set.
- Avoid contact with hot surfaces such as exhaust manifolds and pipes, mufflers (catalytic converters), radiator and hoses.
- Never smoke while working on your vehicle. Gasoline vapor is highly flammable, and the gas formed in a charging battery is explosive.
- Do not lay tools or equipment on the battery. Accidentally grounding the "HOT" battery terminal can shock or burn you and damage wiring, the battery or your tools and testers. Be careful of contact with battery acid. It can burn holes in your clothing and burn your skin or eyes.

- High voltage (30,000 to 50,000 volts) is present in the ignition coil, distributor cap, ignition wires and spark plugs. When handling ignition wires while the engine is running, use insulated pliers to avoid a shock. While not lethal, a shock may cause you to jerk involuntarily and hurt yourself.
- Never crawl under vehicle or run engine while vehicle is on a jack.

CYLINDER SELECTION

Check the cylinder setting before installation. The Cylinder Selector Switch is located on the back of the tachometer, behind the door (see Figure 1). The Factory Setting is 8 Cylinders. Change the setting if necessary.



DISTRIBUTOR EQUIPPED ENGINES

Set the switch to match the number of cylinders in the engine.

DISTRIBUTORLESS IGNITION SYSTEM EQUIPPED ENGINES

The tachometer-ignition connection for some 4 Cylinder and 6 Cylinder DIS (Distributorless Ignition System) engines requires that you use the 2 Cylinder setting. Depending on which type of system you have, set the switch as follows:

If your vehicle's DIS ignition system has a tachometer output lead set the switch to the 4 Cylinder position for the 4 cylinder engines and to the 6 Cylinder position for the 6 cylinder engines. When connecting tachometer wires (see **ELECTRICAL CONNECTIONS**), connect the tachometer GREEN wire to the vehicle's tachometer output lead.

If your vehicle's DIS ignition system does not have a tachometer output lead but allows access to the driver wires from the vehicle computer to the ignition module, set the switch to the 2 Cylinder position regardless of the number of cylinders in the engine. When connecting tachometer wires (see **ELECTRICAL CONNECTIONS**), connect the tachometer GREEN wire to either of the driver wires.

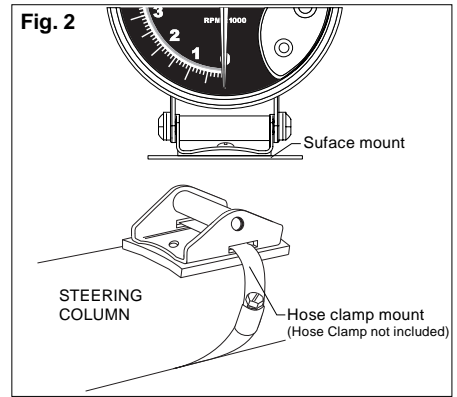
FUNCTIONAL QUICK CHECK

It is suggested that the tachometer be electrically connected to the vehicle, (using alligator clip leads or other suitable means) following the steps below, and an electrical functional check of the tachometer be made, prior to making a permanent installation.

Start the vehicle's engine. Confirm the operation of the tachometer. Disconnect tachometer.

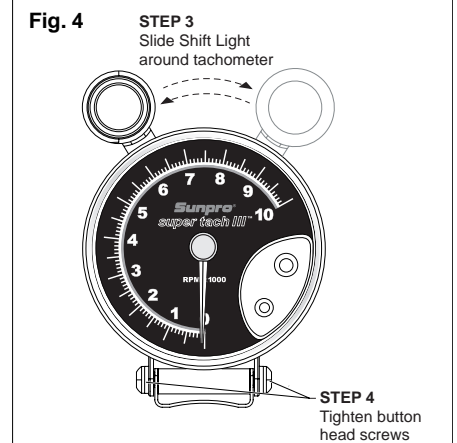
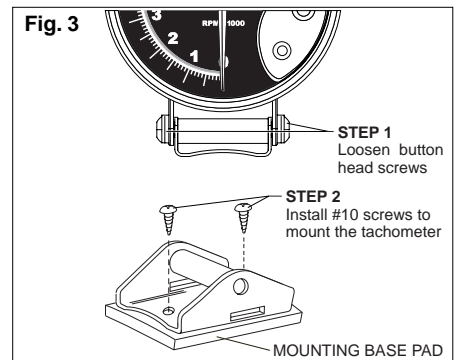
MOUNTING THE TACHOMETER

Your tachometer is designed to be mounted on any flat or curved surface, or on the steering column (see Figure 2).



If #10 screws are used, mark hole locations, and drill holes using #18 or 11/64" drill bit.

- Loosen both button head screws on the mounting bracket. Now, tachometer can tilt back and forth (see Figure 3).
- Install #10 screws (see Figure 3).
- Slide the Shift Light around the tachometer to desired position (see Figure 4).
- Tighten both button head screws on the mounting bracket (see Figure 4).



ELECTRICAL CONNECTIONS

CAUTION

For your own personal safety, and to prevent possible damage to the electrical system of your vehicle during the installation, disconnect the negative (-) battery cable. Reconnect this cable after installation is complete.

Do not route wires along or against sharp edges, hot engine surfaces, or near spark plug wires. If needed, drill a 3/8" hole for the grommet (included).

NOTE: If additional wire is needed, use #18 or #20 AWG stranded automotive primary wire.

