



# Owner's Manual

1953-'62 Chevrolet C1 Corvette



## WARNING

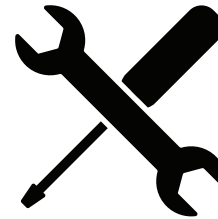


**Please read and understand this manual before installing your EPAS kit.**

The installation of this system should be done by a professional mechanic or a very knowledgeable amateur. You will be cutting and splicing your steering column, therefore EPAS Performance will not be held responsible for any malpractice. Caution should be taken when installing the electric motor: no impacts, shocks or hammering should be done to the unit. For aesthetic reason, you may choose to paint the assembly either in black or the color of your steering column to conserve the original look.

For a complete understanding, we strongly suggest to read this owner's manual prior to any installation. **Should you have any questions or concerns feel free to contact us at (941) 893-5427 or visit our website for installation videos.**

EPAS Performance wishes you thousands of enjoyable miles with your new Electric Power Steering!



### Required tools:

- Drill
- Right angle grinder, with cutting disc
- Goggles
- Measuring tape
- Steering wheel removing tool
- You will also need hand tools to remove the steering column

Remove the hood of the vehicle. We also recommend the driver's seat. Steering wheel and turn signal assembly.  
Remove the column to the bench.  
Measure out 23 1/4" (59mm) from the outer flange on gear box. (Be sure to cut all the way through the tubing, cutting through the shaft as well.) **(Image A)**

Disassemble the gear box. Pulling out the shaft.  
Measuring out 5/8" (16mm) be sure this measurement is done on the opposite end of the worm gear. (Cut off this measurement)  
On this same end, a 3/4" DD will need to be made from the end continuing upwards about 1 1/2" (38mm) **(Image C)**

On the tubing, the end that the 1st cut was made, a 1/2" (12.5mm) hole will need to be drilled upwards at 1" (25.4mm). **(Image B)**

\*\*Once this hole has been made, the gear box can now be reassembled\*\*

On the tubing, measuring from the original cut running upwards, measure out 6 3/4" (171.5mm). -Cut off this portion. It will not be used.

On the shaft, measuring on the NON-Splined side, measuring upwards. Measure out 9 1/2" (241mm) – Cut off this portion. It will not be used. On this same end, a 3/4" DD will need to be made from the end measuring upwards 1 1/2". **(Image C)**

Reinstall the gear box and lower portion of the column into the vehicle.

Attach the 17mm - 36 steel coupler with the two 8mm knurl nut set screws (provided by EPAS) to the splined side of the EPAS Motor along with the steel coupler. (provided by EPAS)

Image A



Image B



Image C





In the hole that was made on the tubing on the column, install the top two 6mm set screws (provided by EPAS) to the 17mm 36 cupler.

Clock the EPAS motor to 3:00 and tighten all the set screws.

Install the turn signal assembly. Re-run the wires, ensure the turn signal assemble is at 12:00 or top dead center. (TDC)

Install the steering column tube to the EPAS Motor. Be sure to tighten the three 6mm set screws.

Insert the shaft. Ensure the DD that was cut on the end of the shaft slides into the  $\frac{3}{4}$ " DD on the EPAS Motor.

Be sure to only install ONE 8mm set screw. This will allow movement of the shaft to allow adjustments as needed.

Measure from the face of the column to the upper portion of the splines. This measurement should be 1  $\frac{1}{2}$ ". Push or pull the shaft to achieve this measurement.

Once measurement is achieved, install the second 8mm set screw. Access can be done through the channel wire window on the tube. Be sure to tighten all set screws.

Re-install the steering wheel and if you chose to remove the driver seat.

A hole will need to be drilled in the firewall of the vehicle. This hole will need to be  $\frac{3}{4}$ " (19mm) in diameter. The position of this hole should be next to the existing hole for the vehicles main wiring harness. Be sure to install the rubber grommet. (provided by EPAS)

Image D

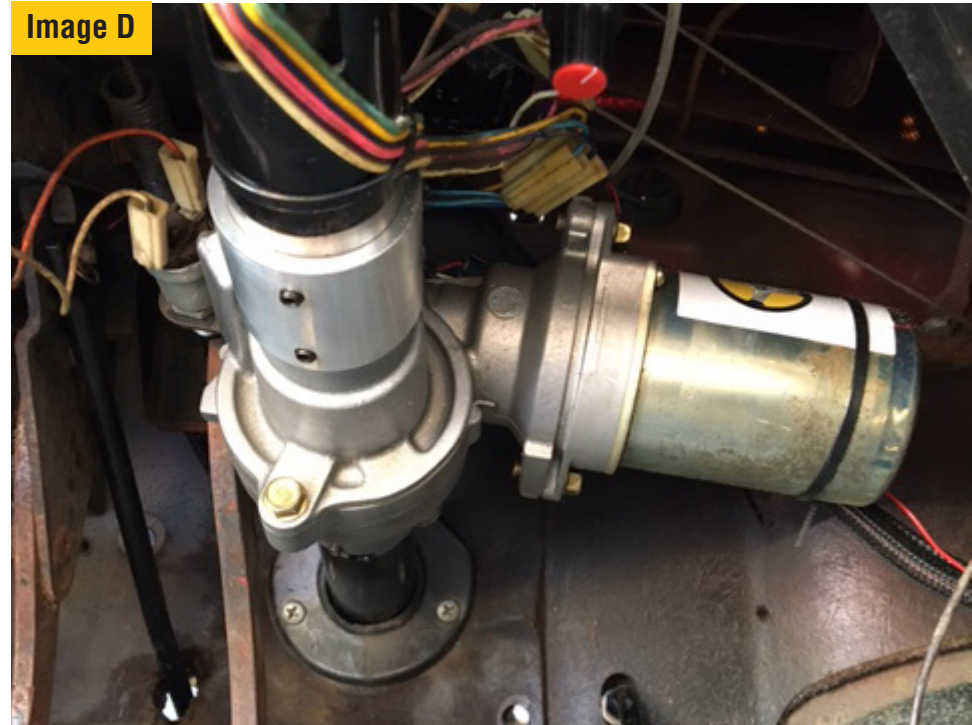
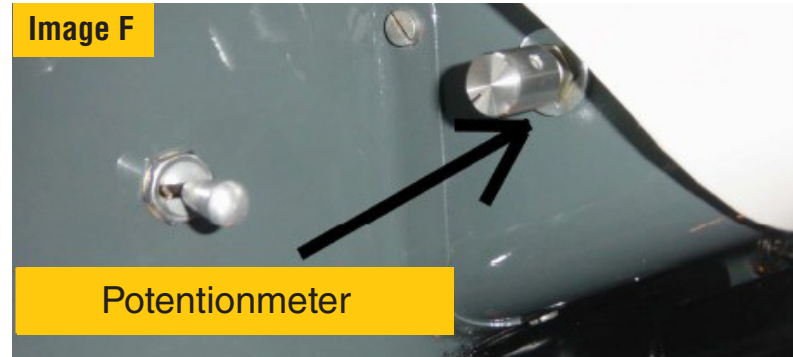


Image E



Image F



Potentiometer

The potentiometer and control module can be installed in any location that is convince for you. Install the ignition wire, connect to motor to the module, and battery hot wire to the starter solenoid.  
**(Image F & G)**

Install steering wheel and connect battery.  
Turn on the potentiometer and a small “click” will emit.  
You are now ready to enjoy power steering and drive with ease!

Image G



# TERMS AND CONDITIONS

## LIABILITY LIMITATION AND RELEASE

We are pleased you have chosen to purchase one of our automotive specialty equipment items. Our products are carefully designed to combine performance, durability and safety, and to work in concert with the vehicle's original equipment. As they are specialty products, however, and as both performance and safety are paramount concerns, we urge our customers to consider having the products professionally installed.

We caution the purchaser that the enhancement provided by the specialty equipment item may change the handling characteristics of the vehicle. We urge the purchaser to carefully familiarize him/herself with the vehicle's performance characteristics with the new equipment. This should be done in a safe environment and in a safe manner.

We have no control over the quality or correctness of equipment installations performed by others, nor can we control the uses (in manner or environment) products are subjected to. Accordingly, liability on the part of EPAS Performance LLC is limited to the terms of its Express Limited Warranty.

A decision by the purchaser to retain and install the item purchased will be deemed acceptance of the specific terms of this Liability Limitation and Release.

The purchaser expressly releases and waives any claim against us for any consequential damages or injury that may arise from the use, or any malfunction, of its product. This Liability Limitation and Release binds the original purchaser, all successors in interest, and all persons to whom the product may subsequently be transferred; and the purchaser agrees to make this limitation known to all such persons. This Liability Limitation and Release is part of the consideration for the sale of the product.

This Liability Limitation and Release is governed by the laws of the State of Florida, United States of America. Any dispute regarding its terms or application is subject to arbitration in the State of Florida at the request of either party to the sale.

## WARRANTY

This warranty is limited to the repair or replacement of the defective part only; the warranty specifically excludes labor or consequential damages or injury. The decision as to whether the defective part will be repaired or replaced will rest solely with the manufacturer. The warranty period begins on the date the product is shipped to you.

Full 5-year warranty nontransferable.

This warranty is void if the product is or was improperly installed, abused in any manner. Road or accident damage is not covered.

To make a claim under this warranty, call EPAS Performance to return the defective product, shipping or postage prepaid. Please include a copy of the original purchase invoice and a note describing the circumstances of the failure or malfunction.

This warranty is governed by the laws of the State of Florida, United States of America. Any dispute regarding the coverage of this warranty, its application or terms is subject to arbitration in the State of Florida.

If the purchaser disagrees with any of the terms of this warranty, please return the purchased item within three (3) business days of receipt. A decision by the purchaser to retain and install the item purchased will be deemed acceptance of the specific terms of this warranty.

## RETURN POLICY

1. If your shipment arrives in a damaged condition, please notify the carrier immediately.
2. Inspect your order carefully upon receipt. If items are missing, you must contact us within five (5) working days.



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**[www.EPASPerformance.com](http://www.EPASPerformance.com)**  
Visit our website for installation videos.

