



Owner's Manual

Studebaker



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

Disconnect vehicles battery.

Remove front seat.

Remove steering wheel and note the distance the steering shaft protrudes from the steering wheel base. **(Image A)**

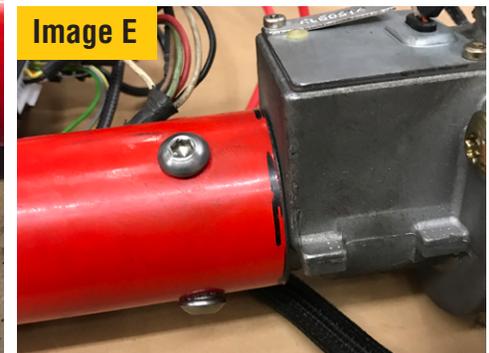
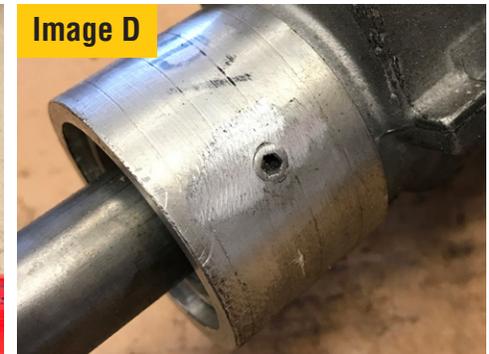
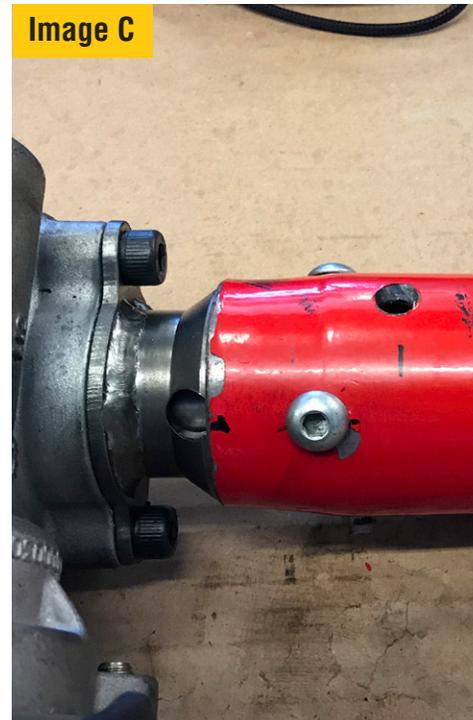
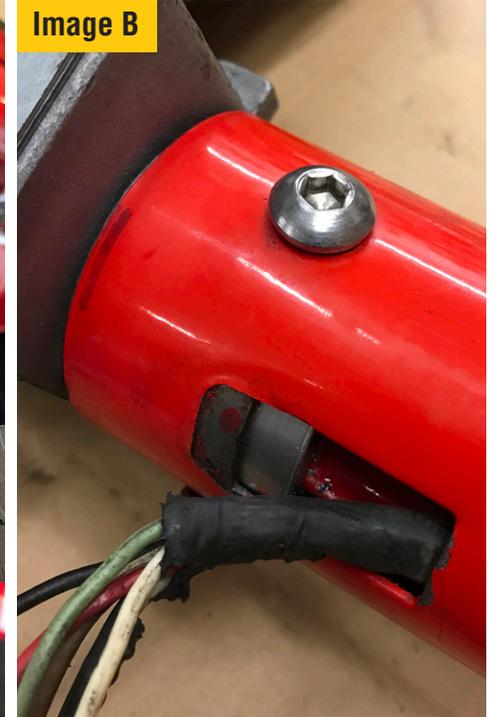
Test fit the EPAS motor with the column still in the vehicle. Once the upper cut location is determined, mark and remove column.

Loosen the clamp at the base of the column, disconnect the clamp under the dash and disconnect the wiring. This should allow you to pull the tube out leaving the shaft behind.

NOTE: The channel built into the column to accommodate the turn signal and horn wiring may interfere with the upper collar. On some Studebakers you may be able to cut far enough below the lower end of that sleeve, and have room to fit everything in. If the cut is further up, the channel can interfere with the collar. If so, after making the upper cut, you will need to grind an indent into the collar to clear the sleeve, relocate the wire exit further up the column, or remove the sleeve altogether. To remove the wiring sleeve, grind out the spot welds at each end. You should then fit a length (about 13 ¾") of 1 ¼" ID PVC or something similar over the shaft collar (after grinding the set screws flush) to protect the wiring from abrasion from the steering shaft and collar. **(Image B)**

You can then determine where to make the lower cut (steering box side) (5 1/16" below the first cut in this example). After making the lower cut, reinstall the lower column onto the steering box. Once in place, mark the shaft at a point even with the cut column. Now remove the column and cut the shaft ¾" below that mark. The shaft will need to be welded to the splined coupler provided by EPAS.

The machined collar included in the kit on the lower side is already drilled and tapped in 3 places. Use the location of those holes to drill 3 holes in the column, and attach the column to the machined collar with screws. The set screws in the machined column collars should be ground flush. **(Image C, D, & E)**



Reassemble the complete steering column/EPAS unit. Repeat steps for drilling and tapping the 3 set screw holes. Note the turn signal stalk should be at 9 o'clock, and the EPAS motor around 2 o'clock, so keep that orientation in mind when positioning the upper column. **(Image F)**

With the column and EPAS assembly in place, insert the steering shaft into the column until it bottoms out against the inner collar. Mark the shaft at the distance (noted earlier) the shaft should protrude from the steering column base. Remove the shaft and add 1" (the amount it should insert into the collar once the end is welded). Make the cut. Insert the shaft with the spline end up and make sure it protrudes the correct amount, remove column tube, then weld the shaft to the end of the EPAS motor. Once welded, reinstall the column tube and bolts.

Reinstall the upper column into the vehicle. Attach the motor to the splined coupler for the lower portion, Sliding the lower tube over the shaft and onto the motor. Finish reinstalling the horn and steering wheel components. **(Image G & H)**



Install the pre-wired control module on the firewall just next to the fuse block (or elsewhere), hook up the power wire for the motor (blue connector) and the connector for the torque sensor (Delco weather-pack). Then hook up the small red wire to a hot in run and the #10 red wire directly to your battery or a direct power source. You can use a 60A fuse if desired.

(Image J)

Install potentiometer in an accessible location.

(Image I)

Once everything is hooked up, turn the power on, wait for the little click (relays in module) and enjoy your new Electric Power Steering.

Image I

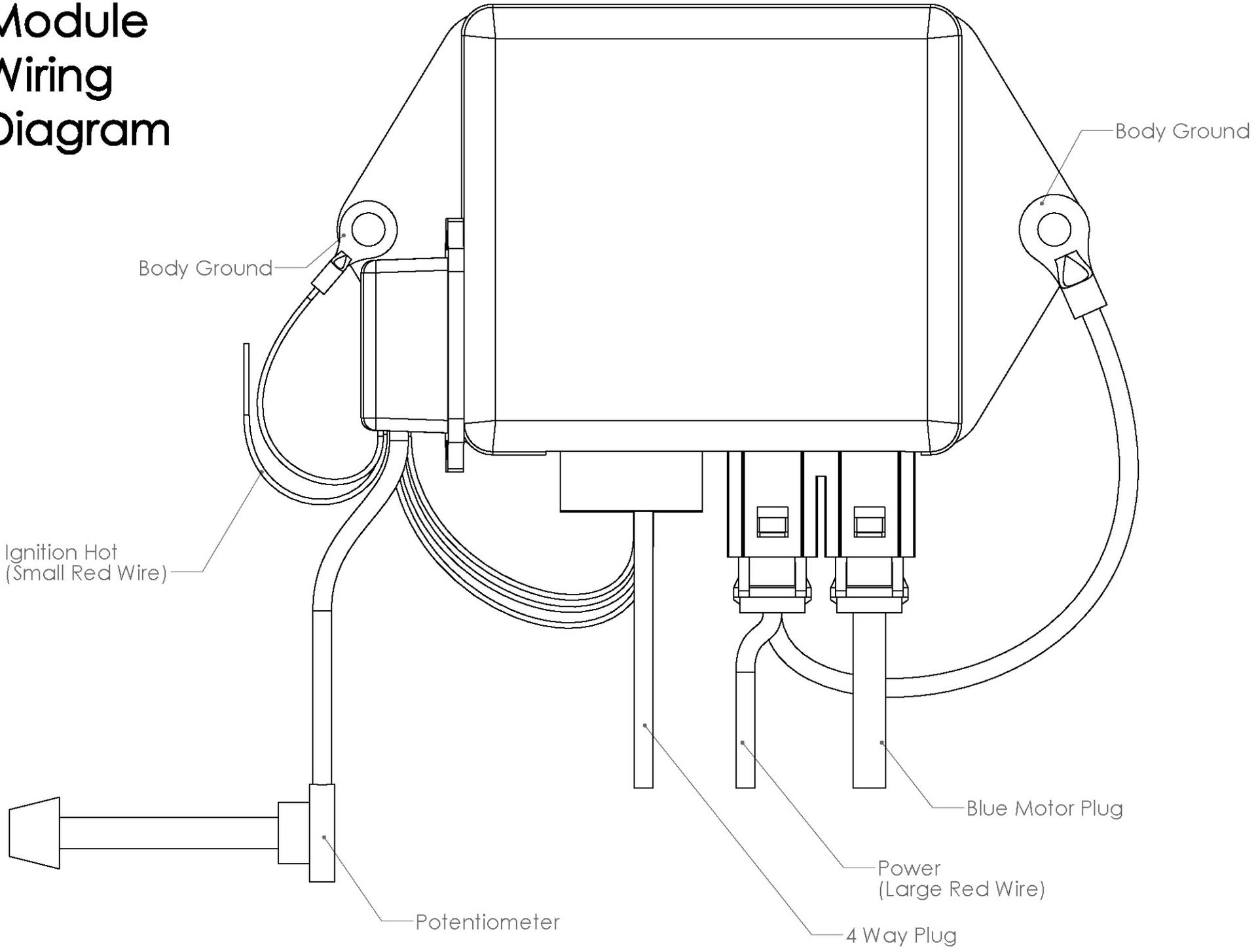


Potentiometer

Image J



Module Wiring Diagram



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.



EPAS PERFORMANCE
2111 Whitfield Park Ave
Sarasota, FL 34243

1-941-893-5427
1-800-372-7611

www.EPASPerformance.com
Visit our website for installation videos.

