



# OWNER'S MANUAL

## Mopar E Body



**\*Steering wheel and column not included**

DESIGNED  
& ASSEMBLED IN  
  
U.S.A.



## Required tools

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



## Recommendations

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 esthetic reason, you may choose to paint the assembly either in black or the color of your steering column to conserve the original look.

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

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

1. Be sure to test fit the electric EPAS motor, while the steering column is still in the vehicle. This will allow you to see the mounting position and the distance from the firewall. While test fitting motor in position, be sure to mark the steering column, the mark should be the half way point between the outer edge of the motor (spline side, steering box side), to the outer edge of the aluminum cupler.
2. Once you have removed the steering column, re-test fit the motor to ensure that the motor will still fall into proper setting. (The mark that was made on the column should be about .5" from the stock bracket holding the column into place. When re-test fitting, the motor should sit about .5" from that bracket. (photo 1)



3. Once the steering column is removed, measure out 15.50-15.75" (40cm) (not including the acaridan steering wheel hub.) Start measuring from the start to the column down with a total length of 15.50-15.75" (40cm)



4. Measuring the inner shaft, from end to end, measure out 11.6''(29.5cm) This shafts length should be 4'' overall shorter than the column. This length will be to adapt to the new EPAS cuplers and shaft.



5. Attached the inner shaft into the  $\frac{3}{4}$ '' DD cupler on the end of the EPAS motor, that is welded onto the motor. Be sure to tighten down the 2 set screws on the cupler that is welded onto the motor, to hold the shaft in place.



6. At this point you want to slide the steering column over the inner shaft, be sure the column fits snugly over the aluminum cupler and the column covers most of the cuplers width.
7. Be sure to check that the steering wheel hub is at the proper depth. If you are misaligned, you can move the inner shaft, either in our out from the EPAS  $\frac{3}{4}$ " DD to allow the alignment to be correct.
8. Test fit the entire assembly in the vehicle to "clock" the EPAS motor.



9. Once the motor is "clocked" and marked, return to the bench to drill holes in the column. With the drill bit provided from EPAS, drill 3 holes at 120 degrees each. (Photo above shows proper positioning of set screws. Arrows.) the Tap with the EPAS tap provided. Insert the 3 set screws, also provided by EPAS.
- 10. Be sure to tighten all screws before final install.**
11. Loosely install the firewall plate and the bearing to the vehicle. This will allow you to freely adjust, as needed, once the collapsible shafts.
12. Begin to re-install the steering column with the EPAS motor into the vehicle.

13. From the inside of the vehicle working outwards towards the engine bay, install the ujoint to the back of the EPAS motor, then using the  $\frac{3}{4}$ " DD shaft, feed through the bearing and firewall plate.



14. With the 1" DD shaft, slide into the  $\frac{3}{4}$ " DD, and the ujoint going to the steering box. Both  $\frac{3}{4}$ " DD shafts should sit inside of each other by about 2". Re adjust if needed.



15. Tighten all bolts in place to secure the system into place. **Be sure to double check tightness after test driving as well.**
16. 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 weathepack). 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.

17. Install potentiometer in an accessible location.
18. Once everything is hooked up, turn the power on, wait for the little click (relays in module) and enjoy your new Electric Power Steering.



# 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.



[www.epasperformance.com](http://www.epasperformance.com)

Visit Our web site for installation videos.

EPAS PERFORMANCE

1400 Commerce Blvd

Ste A

Sarasota, FL 34243

1-800-EPAS611

(372-7611)

[geoff@epasperformance.com](mailto:geoff@epasperformance.com)

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EPAS PERFORMANCE  
2111 Whitfield Park Ave  
Sarasota, FL 34243

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

[www.EPASPerformance.com](http://www.EPASPerformance.com)  
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