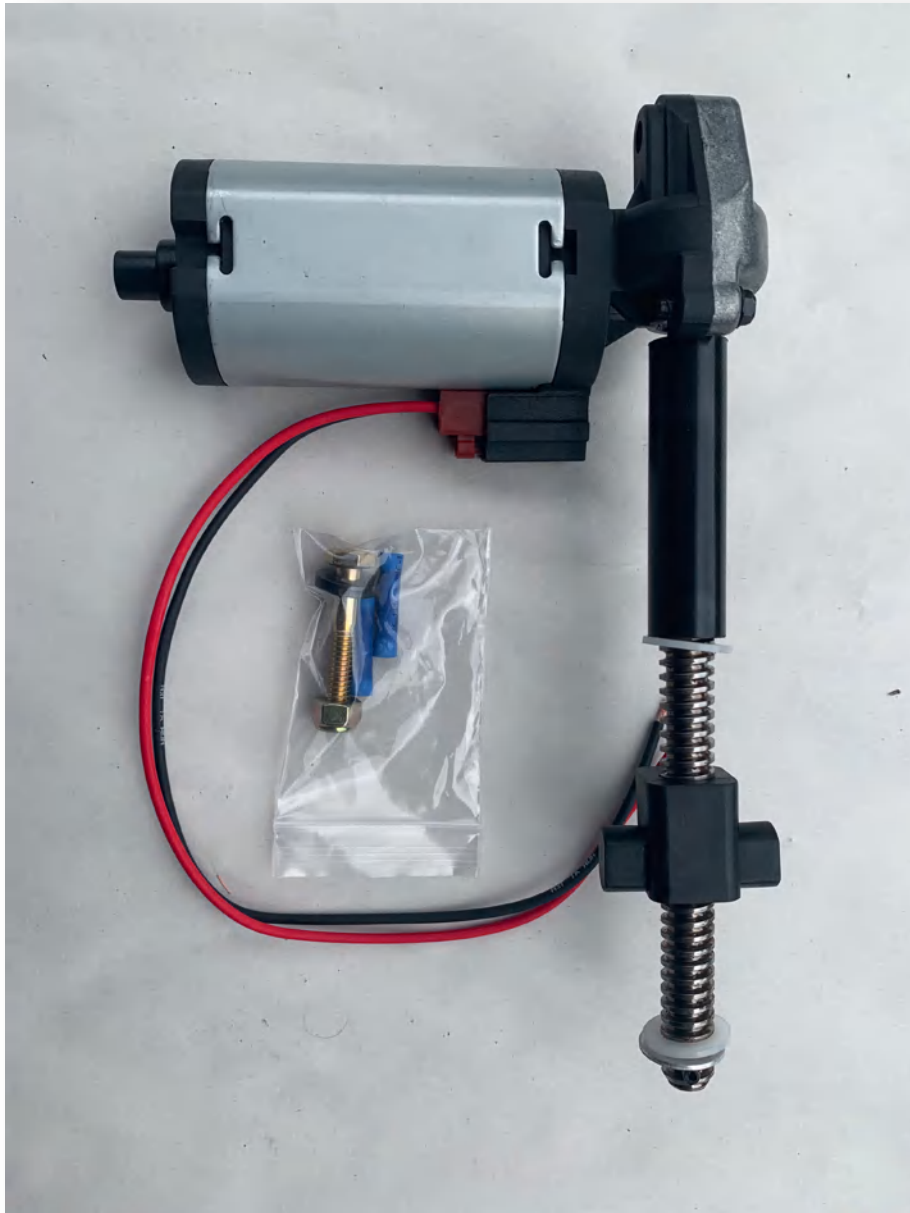




# 98-01 DODGE RAM

## *Vertical Adjustment Motor Installation*



***Kit Components***

## STEP 1

Remove seat bottom by unscrewing the 4–10 mm screws attaching the bottom to the seat frame. This reveals the 3 seat motors.

## STEP 2

Unplug the 3 wire connections to the motors: Front–Forward/Aft motor red tape, Middle–Front Up/Down motor, white tape and Back–Rear Up/Down motor, blue tape. If equipped with lumbar support, white plug

## STEP 3



Remove the push pins securing the wiring harness from the bracket attached to the rear up/down motor and move the harness down and out of the way.

## STEP 4



For rear up/down motor removal and install:

a. Remove 2 – T45 torx bolts at the front and rear sides of the forward/aft motor, this will allow the bracket for the rear up/down motor to drop. Loosely reinstall the front (long) bolt to hold the forward/aft motor in place.



b. Swing the bracket on the roll pin towards the motor so the assembly and white eared tube nut can be pulled from the twin levers

## STEP 4 Continued



c. Secure old motor assembly in a bench vise at the bracket to aid with removal of the roll pin.



**Spacer Inserted**

d. Once roll pin is removed place new motor with provided spacer in bracket the same direction the old motor came out.

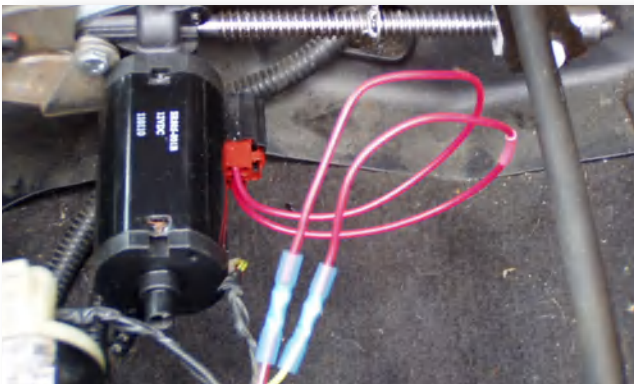
## STEP 4 Continued



e. Utilizing 2–7/16” wrenches tighten bolt nut making sure not to over-tighten as a small gap is needed so the motor can move slightly as the adjustment screw turns.

f. Reinstall assembly reversing steps 4 a and 4 b above.

*\*See note at beginning of step 5 below if replacing both front and rear up/down motors.*



g. Make wire connections to existing seat motor wiring harness. Check operation of seat motor prior to final crimping of provided solder-less connectors. Don't worry about shorting the motor out. Hooking the wires up backwards just reverses motor direction. You just need to ensure the seat goes in the intended direction of the switch.

## STEP 5

Front up/down motor removal/install:

*\*If replacing front motor, you may have to perform step 4.a of rear motor replacement in order to provide room to drive roll pin out of the front up/down motor and bracket as the torx bolts might not be accessible due to the adjustment screw on the motor. If they are accessible, you can remove the motor similar to rear motor removal. If not, proceed to step a.*



a. Drive roll pin out and swing old motor forward so the white eared tube nut can be pulled free of the twin levers.

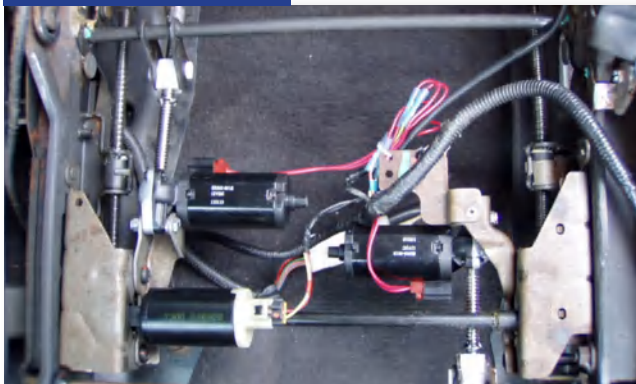


## STEP 5 Continued



b. Install new motor tube nut into twin levers, swing the motor into position onto the bracket. Install bolt, spacer and nut as shown in step 4d above. Remember do not over-tighten nut and bolt.

## STEP 6



Once motors are tested to ensure proper operation and wire connections are finalized, check to make sure all harnesses are secured to previous mount points.

## STEP 7

Re-install the seat bottom.

Please contact me at [rustyhubgarage@gmail.com](mailto:rustyhubgarage@gmail.com) with any issues.