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CALL (800) 221-9723 or (818) 882-8611 • FAX (818) 882-7028
EMAIL techsupport@rpi.com • WEBSITE www.rpiparts.com

DEG602 BACK MOTOR GEAR INSTALLATION INSTRUCTIONS

1. Raise chair and seat motor to highest position. Disconnect AC power to chair.
2. Remove screws holding bellows top cover to bellows hangers and lower cover. Remove plastic motor skirt cover.
3. Remove back link (bent-bar) from crank by unscrewing round-head shoulder screw at back motor bracket. Hold back of chair from falling.
4. Disconnect motor from chair junction box.
5. Remove socket-head cap screw, lock washer and nut from rear of back motor bracket.
6. Remove two cap screws holding back motor and bracket assembly to cradle assembly.

CAUTION

When removing cap screws, support back motor and bracket assembly.

7. Remove bracket assembly from cradle.
8. Loosen set screws in yoke of back motor bracket. Remove motor mounting trunion pins.
9. Remove snap rings from screw tube retaining pin. Remove pin.

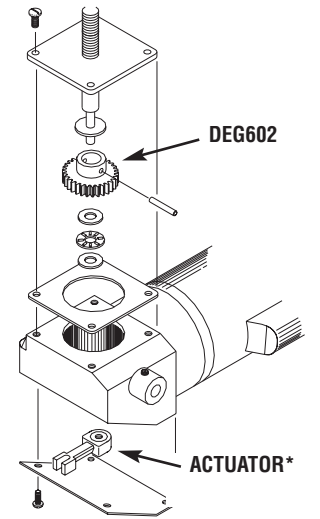
CAUTION

Do not move motor adjustment screws.

10. Remove cap screws at each corner of limit switch cover on back motor. Remove cover.
11. Remove screws from gear housing cover. Pull motor shaft slightly, separating cover from housing.
12. Unscrew motor screw shaft and gear assembly from actuator, pulling motor gear shaft assembly out of housing.

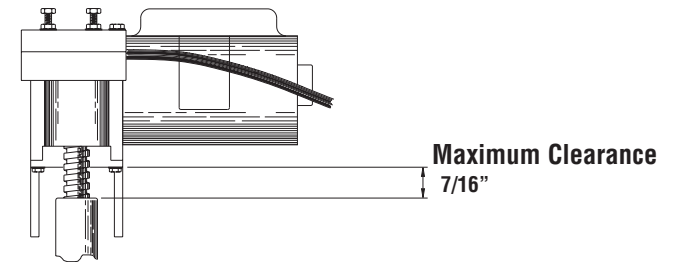
*NOTE REGARDING ACTUATOR

To determine which actuator you need, measure thread size and direction of thread. For actuators to fit the DEN-TAL-EZ back motor, please see the RPI catalog.



Motor Screw Shaft and Gear Assembly Alignment

13. Remove roll pin from gear shaft assembly, pull gear off shaft.
14. Place spacer on shaft before installing replacement gear (RPI Part #DEG602). Install gear on shaft. Line up pin holes and install roll pin.
15. Place spacer on top of gear. Install roller bearing then spacer. Install complete screw shaft and gear assembly into gear housing.
16. Screw fine-threaded end of shaft into actuator. Stop when actuator is between limit switches.
17. Push screw shaft into gear housing, twisting shaft to make gear mesh with worm drive gear. Installed properly, gear housing cover will be firmly seated against gear housing.
18. Replace screws in gear housing cover and limit switch cover.
19. Connect motor to chair junction box. Connect AC power to chair.
20. Press top of the Back Control switch so screw tube will turn counter-clockwise and run motor to its full "DOWN" position. Disconnect AC power to chair.
21. Allow 7/16" maximum clearance between edge of screw tube and edge of gear housing. Adjust screw tube as necessary.



22. Replace motor in bracket assembly with motor pins and screw tube pin.
23. Secure motor and bracket assembly to cradle assembly with screws.

CAUTION

The socket-head screw cap should be installed from under the bracket assembly.

24. Attach the back link (bent-bar) to bracket crank with round-head shoulder screw.
25. Connect back motor to chair junction box.
26. Replace plastic motor skirt with screws.
27. Raise bellows cover and fasten it to bellows hangers with screws.
28. Connect chair to AC power and check for proper operation.