Removal and Replacement – Motor from DRS Shades 4280(P):

This guide explains how to remove Motor (1st Generation or 2nd Generation of Standard Motors) that installed on DRS Shades.

All the following picture show the motor side of the shade. The motor side is where the wires coming out.

1. To remove the motor out of Aluminum tube, first you need to remove the Spring Clip. Watch the spring action of clip not to jump into your face. Try to remove the clip in a controlled way. You can have a rag around it while removing the clip to prevent this.
2. Now open the “Locking Latch” as shown in the following picture.
3. Now while holding the shade tube preventing from dropping, slide the motor head out of the locking Latch as shown below:

4. Now hold the shade tube, and gently pull the motor out, as shown in the following image:
5. Installing the new motor back into aluminum tube:
   When pushing back replacement motor, you have to align the collar of the motor to the tube slots as shown in the following pictures.

   ![Motor Collar](image1)

   ![Rotate Motor Collar to match with tube slots](image2)
On New production of motors we used a modified version of collar that does not insert into aluminium tube wrongfully, but on older version of motor collar you have to be very careful to align the motor collar with the tube slots properly as shown on the following pictures. If it is not done properly, the motor could intermittently lose the accurate limit position:
When inserting the motor into the aluminum tube, make sure the small nose on the motor collar is fitted in-between the two aluminum ribs that are close together (“Correct Insertion”).

6. To install the shade roller into the railing, follow all above steps in reverse order. Note: When inserting the motor into tube, pay attention the limit adjust screw to be accessible when you install the shade into the frame of the coach.

7. After installation of the shade to the ceiling of the coach, refer to limit adjustment procedure instruction Q-Ref 2.