

WHELEN[®]

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Replacement Guide Brushless Rotator 4000 PLUS Lightbars (see reverse for 5000 PLUS)

Removing your Existing Rotator:

1. Disconnect the lightbar from its power source and wait a minimum of 10 minutes before proceeding.
2. Remove the endcaps from the lightbar and slide all of the lenses and dividers out of the extrusion.
3. Disconnect the rotator from the lightbar's harness by unplugging the Amp 2 position pin connector. **NOTE:** It is easier to remove existing rotator from extrusion if reflector is facing front of lightbar.
4. Before removing the old rotator, mark the lightbar base where the left edge of the rotator base sits so you can position the new rotator properly. Using a phillips head screwdriver, loosen the two screws that secure the rotator base to the extrusion (2 or 3 turns).
5. Lift the rear of the rotator base as shown in fig. 1. Move the rotator towards the rear of the extrusion to free the base from its mounting slot then remove the rotator from the extrusion.

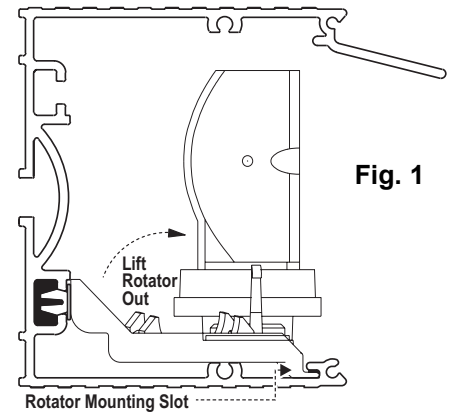


Fig. 1

Installing the Condensation Shield:

1. Slide the supplied Fastex grommets into the extrusion as shown in fig. 2. Position these grommets above the rotator's mounting area.
2. Place the condensation shield in front of these grommets and fasten with the supplied screws.

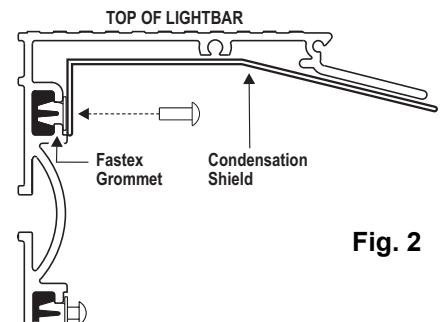


Fig. 2

Installation of the New, Brushless Rotator:

1. Using the mark you made on the extrusion, place the rotator into position and line up the screw grommets with the mounting holes. Remove the rotator and start the screws into the screw grommets.
2. Apply the 2 sided tape to the front of the new rotator base.
3. Peel the tape backing and install the rotator over the mounting screws, then press down firmly on the front to insure good contact to the lightbar base. Be careful not pinch any wires between the base and extrusion, then tighten the mounting screws.
4. Reconnect lightbar to power and test for proper operation. Return lenses and dividers to original locations and secure endcap.

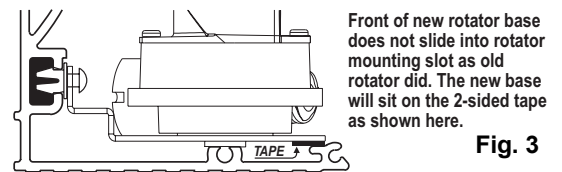


Fig. 3

4000 Plus Kit # 01-0416333-00

Description	Qty	Part Number
Condensation Shield.....	1	11-441626-000
Fastex Grommet.....	4	13-062C40-16J
#6 x 3/8" Sheet Metal Screw...4		15-061416-060
Brushless Rotator.....	1	02-0363277-00
Rotator Mounting Tape.....	1	66-0422815-00

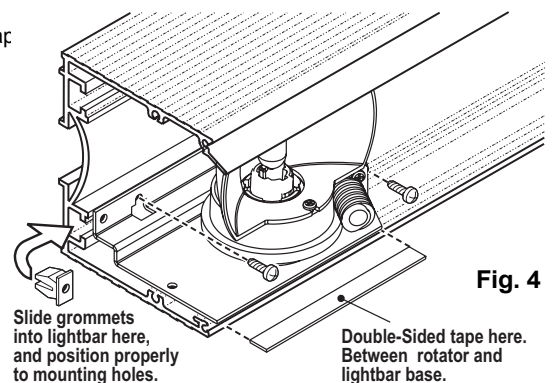


Fig. 4

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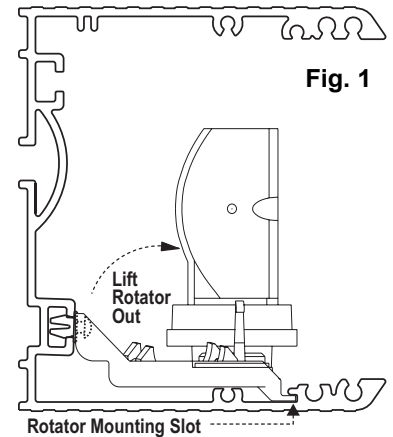
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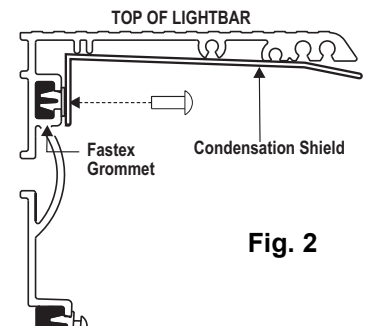
Removing your Existing Rotator:

1. Disconnect the lightbar from it's power source. Be sure to wait a minimum of 10 minutes before proceeding.
2. Remove the endcaps from the lightbar and slide all of the lenses and dividers out of the extrusion.
3. Disconnect the rotator from the lightbar's harness by unplugging the Amp 2 position pin connector. **NOTE:** It is easier to remove the existing rotator from the extrusion if the reflector is facing the front of the lightbar.
4. Using a phillips head screwdriver, loosen the two screws that secure the rotator base to the extrusion (2 or 3 turns).
5. Lift the rear of the rotator base as shown in Fig. 1. Move the rotator towards the rear of the extrusion to free the base from its mounting slot then remove the rotator from the extrusion.



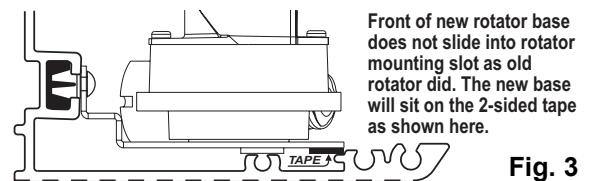
Installing the Condensation Shield:

1. Slide the supplied Fastex grommets into the extrusion as shown in Fig. 2. Position these grommets above the rotator's mounting area.
2. Place the condensation shield in front of these grommets and fasten with the supplied screws.



Installation of the New Brushless Rotator:

1. Place the new rotator inside the extrusion in the same area from which the old rotator was removed.
2. Lift the rear of the base and place the front, mounting base guide tabs into the rotator mounting slot.
3. Plug the new rotator into the old rotator's harness plug.
4. Lower the rear of the base onto the old rotator's mounting screws. Do not pinch any wires between the base and the extrusion.
5. Tighten screws with a phillips head screwdriver. Don't overtighten.
6. Reconnect the lightbar to it's power source and test for proper operation of all components. Return all lens' and dividers to their original locations and secure the endcaps to the extrusion.



5000 Plus Kit # 01-0416333-01

Description	Qty	Part Number
Condensation Shield.....	1	11-441626-000
Fastex Grommet.....	4	13-062C40-16J
#6 x 3/8" Sheet Metal Screw...4		15-061416-060
Brushless Rotator.....	1	02-0363324-00
Rotator Mounting Tape.....	1	66-0422815-00

