

GAUGE RINGS

E38
E39
X5

INSTALLATION INSTRUCTIONS

Prior to installation:

Disconnect negative terminal on battery.

TOOLS REQUIRED FOR INSTALLATION: 4 small exacto knives, 3 sets of needle nose pliers, philips screwdriver.

- 1) Remove the Cluster from the vehicle by unscrewing the two screws holding it in inside the top of the cluster area.
- 2) Unhook the cables.
- 3) Disconnect cable on the actual cluster from the box mounted on the back.
- 4) Slide box to the right to remove. Set aside.
- 5) Locate the 4 tabs on the outside of the cluster holding the rear lid in place. (A) Slide the exacto knives in between these tabs to allow them to slide the rear lid off once you start to remove it. No one needs to be holding the exacto knives in place. You can choose to use very flat, strong pieces of plastic for this task instead of the knives, or any other tool that you may think will be effective.
- 6) For this step you will require at least one additional pair of hands. There are five tabs on the cluster lid (B). These tabs need to be slightly twisted using needle nose pliers in order to align them for release. You can see just how far by looking into the tab holes. Begin by releasing the top 3 tabs first. Rotate them and then slightly separate the top portion. Have someone hold this portion separated or insert a flat tool to do the job for you. Now repeat for the bottom 2 tabs.
- 7) Once the lid is off, using rubber gloves to avoid leaving finger prints apply the rings onto the gauge cluster using the preapplied adhesive. If you have the new snap in rings, align the rings from the inside and snap them in towards you. You will have to depress the larger rings as you slide them sideways through the holes.
- 8) Reassemble cluster.

