

Victory Gauge Replacement

Vision and Cross Country



SPEED GAUGE CUSTOMS

Quick Step Guide (3 hours)

1. Remove Cluster (see YT, FB groups, or forums for how-to)
2. Tape top cover
3. Cut corners and around curved sides with small hacksaw
4. Cut long straight edges with large hacksaw
5. Remove top cover and clean channel with flat head
6. Sand top cover and base then clean with alcohol
7. Mark needle positions on black bezel
8. Remove bezel by prying up 6 clips
9. Remove needles (pull/pry straight up!)
10. Remove gauges and blow out all parts to clear debris and dust
11. Clean and install new gauges and replace bezel
12. Replace needles aligned to marks
13. Clean and glue top cover with silicone
14. Reinstall cluster

Supplies Needed:

- Painters tape (or other that doesn't leave sticky residue)
- Flat head screwdriver
- Small and large hacksaws with fine or medium tooth blades
- Black sharpie (or use small piece of tape)
- Silicone, clear and waterproof
- Sand paper, fine and 400 grit or higher
- Alcohol and cotton swabs or pads
- Angled or needle nose pliers
- Can of compressed air
- Latex gloves

Detailed Installation Guide

This guide will provide a more in depth description with tips on how to safely replace the stock white gauges with your new custom gauges from Speed Gauge Customs.

Expect the process to take approximately three (3) hours to complete once you have removed the cluster from the dash. Removal from the dash is not covered in detail here. You can find detailed instructions for cluster removal on YouTube. However, we will summarize and provide reference pictures.

Thank you for your purchase!

Step 1: Cluster Removal & Overview

The gauge assembly is attached by 4 screws and a harness with a large connector. Removing from the dash will require removal of the outer gauge bezel and possible removal or loosening of the dash switch panel (for visions).

Refer to Youtube, the Facebook Groups for Victory, or the many forums for steps specific to your model. Witchdoctors how-to videos are highly recommended.

The top cover is glued into a channel on the lower housing and cannot be pried loose, it must be cut and re-glued back on.



Step 2: Prepare the cover

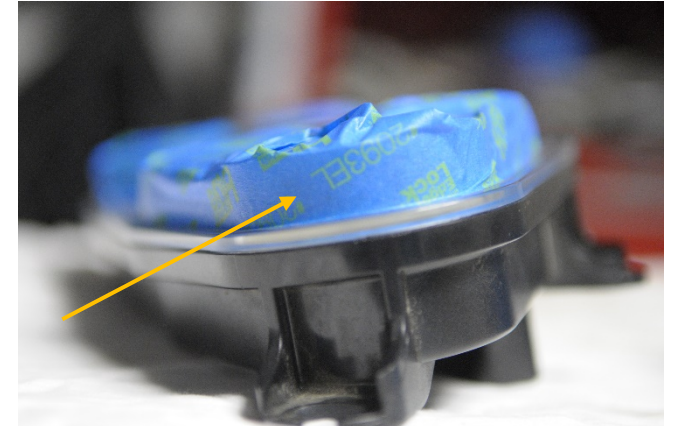
The next step is to tape the top cover to protect it from the hacksaw while you are cutting. You will need a good brand painters tape or other masking tape which does not leave a sticky residue when removed.

TIP: Try taping a small inconspicuous area and see if your tape leaves any residue. The top cover being plastic is fairly soft and undesirable abrasions from cleaning tape residue are likely to be visible.

2a. Start with the edges and work your way around. Use two (2) layers as this is the area most likely to get scraped if the hacksaw slips out of the cutting channel.

2b & 2c. Finish by covering the remaining exposed areas to protect from accidental scratches, dropping, cutting, etc.

2a



2b



2c



Step 3: Cutting the cover

Once you have the cover taped, you'll cut the cover using a small and large hacksaw.

3a. Begin by cutting around the curved edges on the left and right side. Work the saw around making sure you cut all the way to the vertical edge. See the next page for proper cutting depth.

3b. Then cut the four (4) corners. This will provide a good start for the large hacksaw to cut the longer straight edges.

3c. Finish by cutting the six (6) straight edges with the large hacksaw. Continue cutting until the top cover comes loose. Do not try and pry remaining areas; cracks can occur.

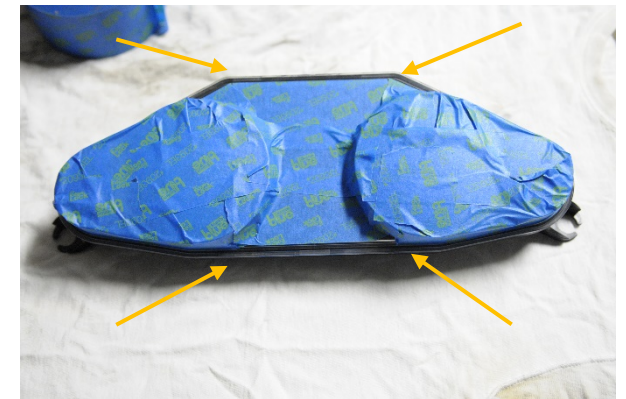
TIP: Using your free hand, place a thumb along the top of the blade to stabilize it and keep it in the channel.



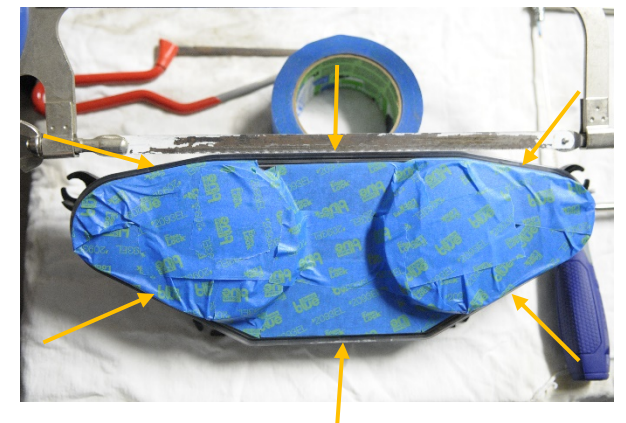
3a



3b



3c



Close-ups of cutting depth-go to the vertical edge



Step 4: Cleanup and prep

Once the cover is removed take a moment to gently blow off any debris from the base and cover. You will have some rough edges which will need sanding and cleaning so the silicone will make a good seal.

4a. Using a flathead clean out as best you can the channel on the base. This will provide space for the silicone to make a good seal.

4b. Then sand the edges of the base and cover using a sanding block or paper. Finish with 400 grit paper.

4c. Using cotton pads or swabs, clean the sanded edges with alcohol to promote a good seal.

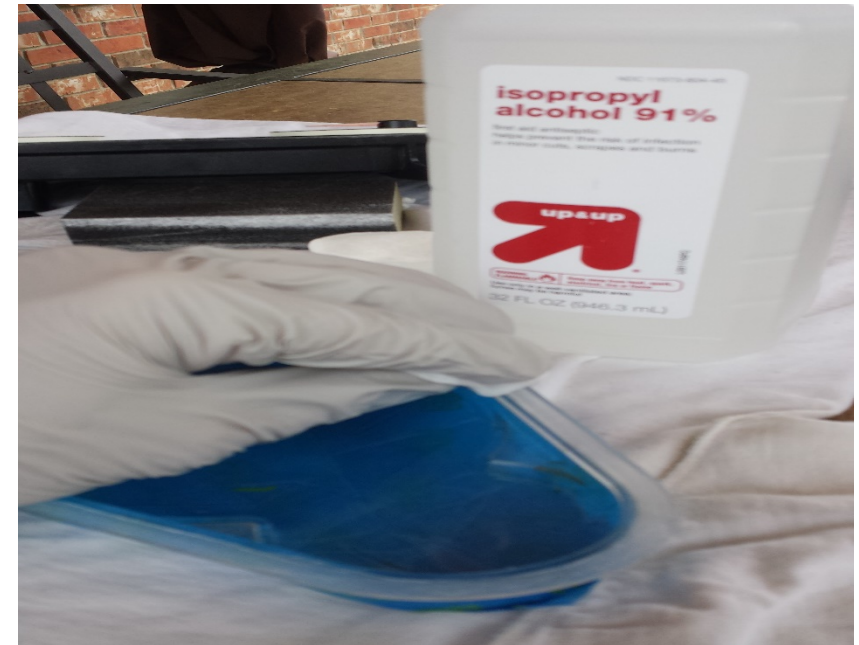
4a



4b



4c



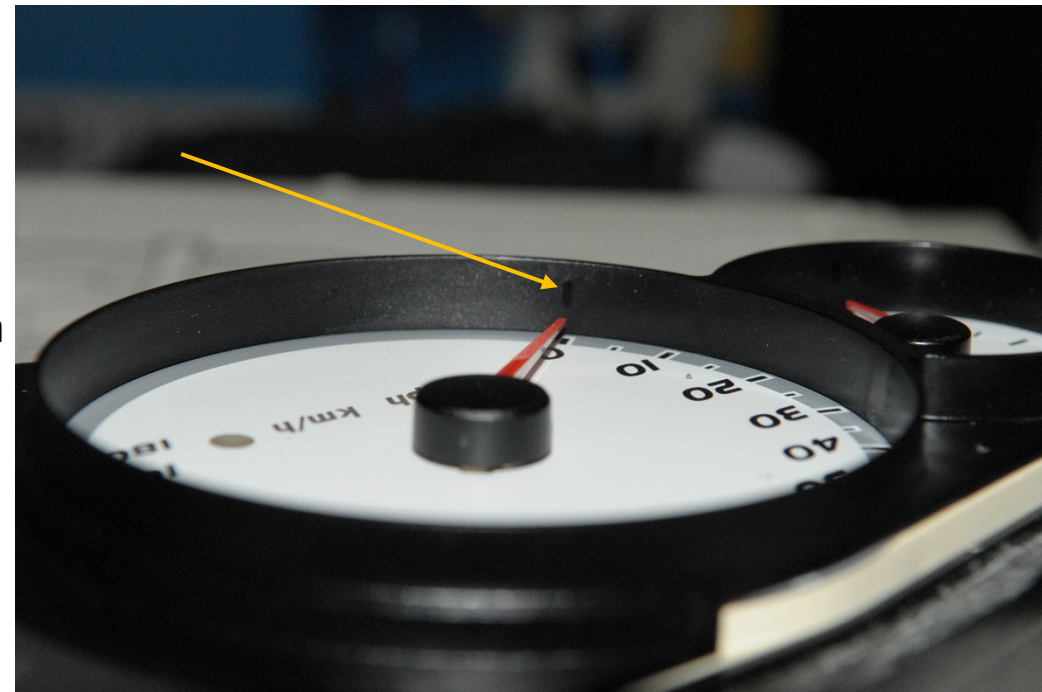
Step 5: Marking the bezel

Now that the base and top cover are sanded and clean, the needles and the black inner bezel need to be removed. It's important to note that the needles are not keyed, they are free spinning on the motor posts, so their position relative to the gauge motors when the power is off needs to be noted. Before you start make sure the motors are fully turned to their stops.

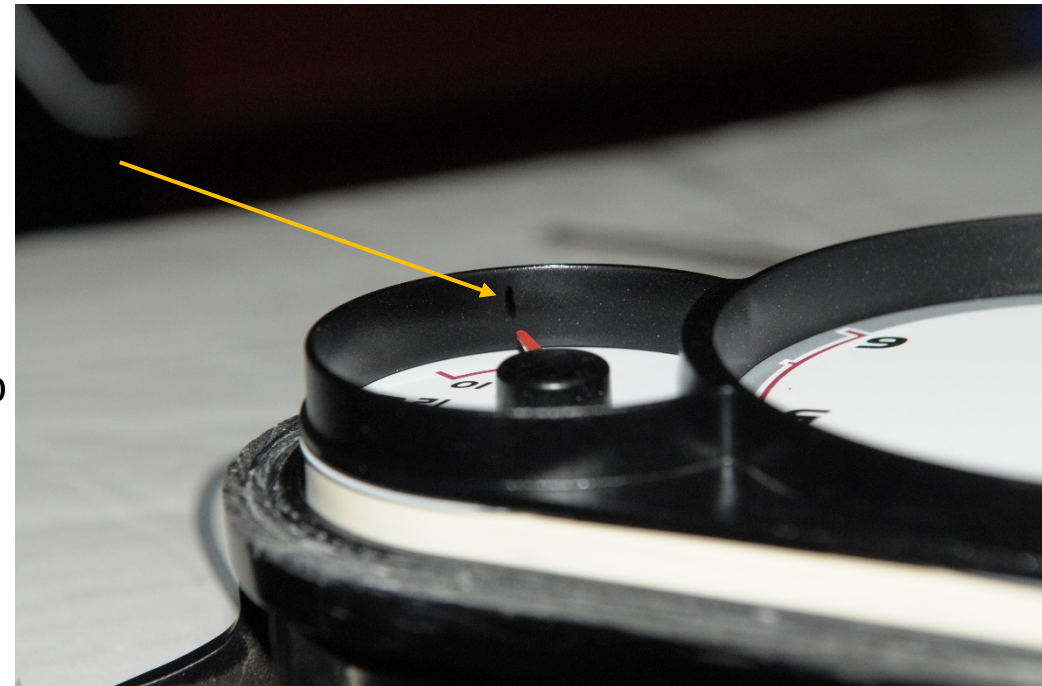
5a. Using a sharpie or small piece of tape, mark the position of the needles on the side of the black bezel for the large gauges.

5b. Repeat for the small gauges.

5a



5b



Step 6: Removing the bezel

At this point the bezel can be removed.

6a. Using a flathead begin prying at the top in between the large and small gauges. There are two clips at the top.

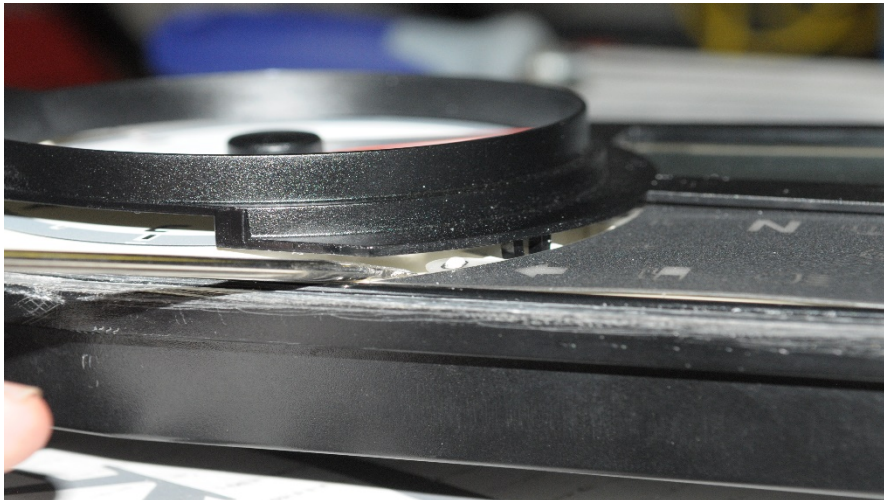
6b. Working around the bezel, pry lightly at the bottom near the center of the large gauges. There are two at the bottom.

6c. There are two remaining clips on either side of the gauge indicator panel. Pry lightly from the outside edge inwards toward the center. Optionally, for these last two clips you can likely pull upward by hand and the bezel will come off.

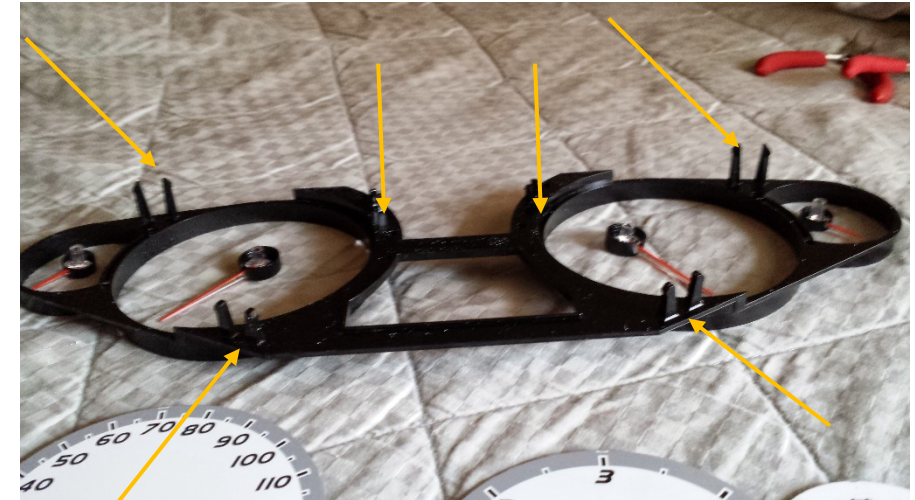
6a



6c



6b



Step 7: Removing the needles and faceplates

It's recommended to wait until this point to remove the faceplates as they are a good dust cover for the LEDs, and if anything happens it's better to ruin the old faceplates.

7a. Using a flathead, pull up lightly on the center black cap of the needles and wedge the screwdriver underneath. The black cap will come off and reveal the needle tabs.

7b. Using angled or needle nose pliers, pry the needles upward. They are a post and hole configuration with the motor being the post. They are not glued on but do fit tightly. It's important that you do not pry from one side as the post and needle are both plastic.

7c. For reference

7d. Remove the faceplates by lifting slightly from the small gauge side, and rotating to line up with the notches on the large dial. You can then lift them off.

Refer to next page for close-ups of the tabs.

7a



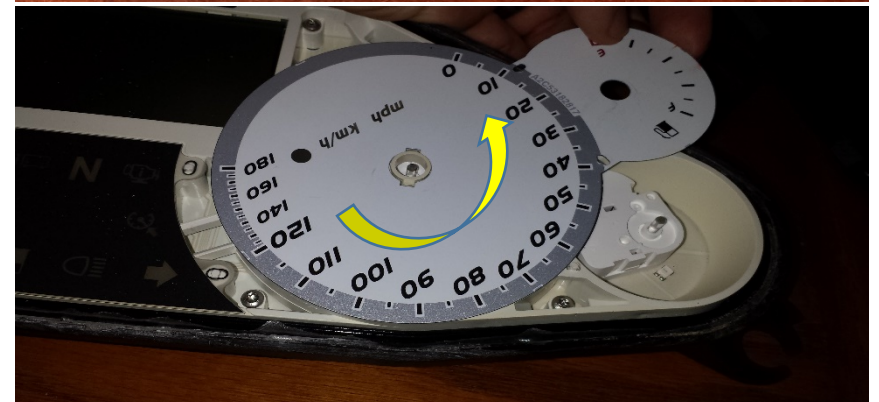
7b



7c



7d



Close-up of tabs.



Step 8: Cleanup and faceplate install.

Now that the faceplates are off it's a good time to clear any debris or dust that may have collected in the base.

8a. Using a can of compressed air blow in each cavity, and all crevices. It's suggested to do this upside down. Once the top cover is glued back on little particles could vibrate their way onto a visible area and become an annoyance. Using a soft cloth or dry cotton swab, clean the edges and surface of the LCD screen and indicator panel to remove any dust and fingerprints.

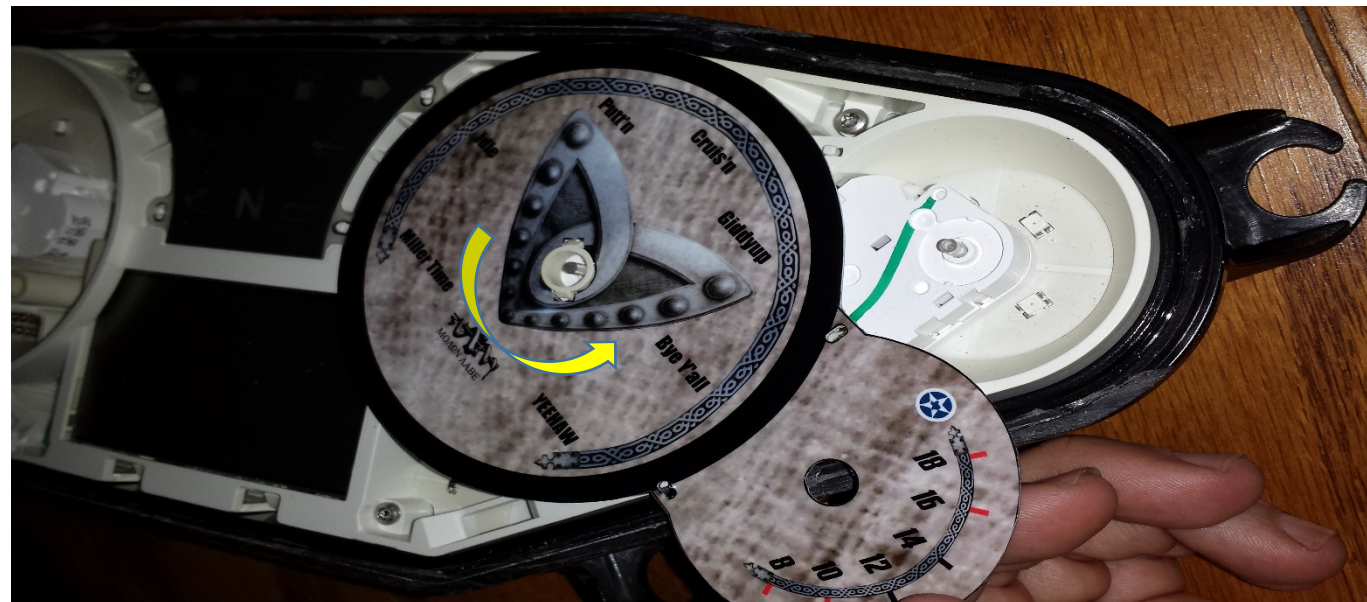
8b. Wipe clean both sides of the new faceplates and install by lining up the notches on the faceplate and base, then rotating into place.

TIP: Use latex gloves to reduce fingerprints and transfer of oils.

8a



8b



Step 9: Cover install.

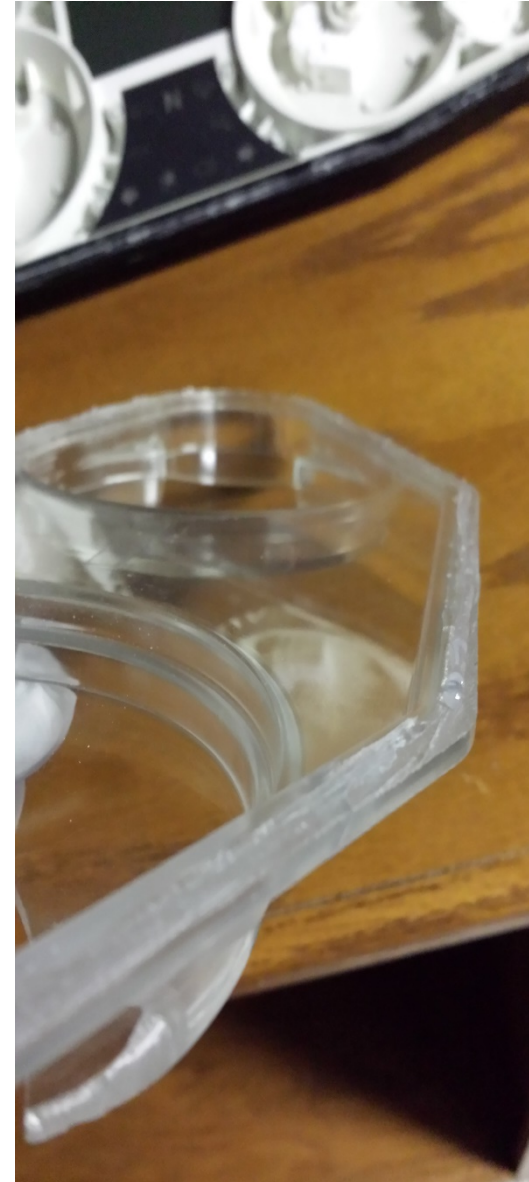
The final step is gluing the top cover back on. It's suggested to partially install the cluster and power on the gauges to confirm the expected result prior to replacing the top cover. Observe the lighting effect in lighted and dark conditions.

9a. Using a can of compressed air blow the cover. Using a soft non abrasive cloth, clean all surfaces of the cover, paying special attention to the inside to remove any dust, smudges, or fingerprints. Then, using a tube of silicone, squeeze a thin layer onto the base and top cover. Remove any excess and let dry for 1-2 minutes.

9b. Place the top cover on the base and hold in place, applying firm pressure for a few minutes. You can use a soft towel or t-shirt to lay over the cover then place a large book or two on top to apply even pressure during the drying period. You'll need to support the bottom of the cluster as it does not lay flat. Inspect and re-apply silicone to the edge as needed.

TIP: Use latex gloves to reduce fingerprints and transfer of oils. Also, finish the install indoors as there will be less dust and humidity in the air. Try to avoid drastic temperature changes until the silicone has completely dried.

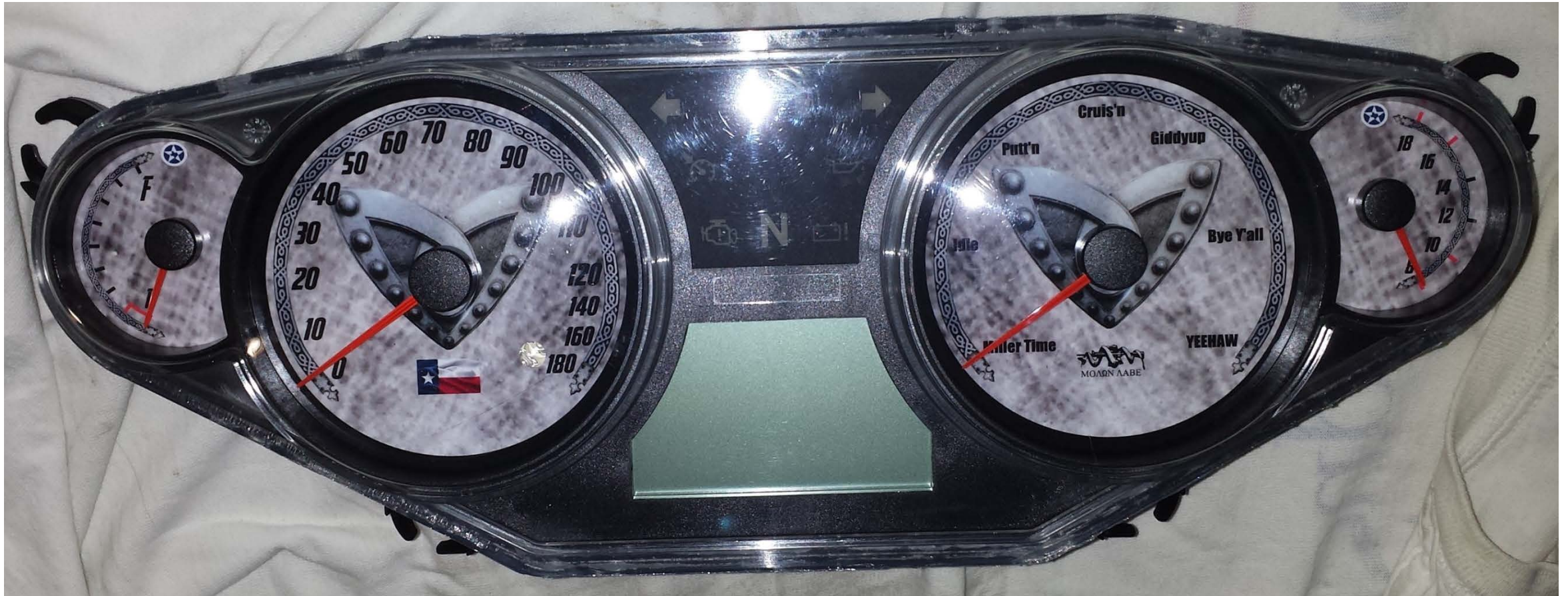
9a



9b



Congratulations!



For questions or more information please contact us at jared@speedgaugecustoms.com

