

US Speedo

INSTALLATION INSTRUCTIONS

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Welcome

This guide will help you to properly install your US Speedo Gauge Face in your 2019+ Ram Truck. For more help, follow the QR code to see the installation video for this particular part.



Not seeing the video for removing the cluster from your make, model and year? Please contact our techs at (810) 244 - 0909 or at tech@usspeedo.com for any installation issues.

Tool List

Let's go over the list of tools required for your US Speedo Gauge Face Install. You will need:

- A Cordless Drill/Driver
- A 7MM Socket or Phillips bit
- A Flex Adapter is not necessary but helpful
- A Plastic Trim Removal tool
- A Tack Puller is also helpful in place of your provided Needle Puller Tool but not necessary
- A permanent marker



Cluster Removal

Step 1 - Remove Cluster Bezel and Cluster Cowl

First, remove the cluster bezel.

(Image 1) To do this, gently insert your trim removal tool between the cluster cowl and the bezel. Pry down to start to remove it from its clips. Gradually work your way around the unit until it is free.

Step 1 - Remove Cluster Bezel and Cluster Cowl (continued)

Next, we will remove cluster cowl

(Image 1) To do this, gently pry up on one corner of the cowl, nearest the windshield, using your trim removal tool.

Gradually work your way around the unit until it is free.



Step 2 - Remove Center Infotainment Unit

(Image 1) Remove storage bin mat on the top of the unit to reveal 2 - 7mm / phillips screws.

(Image 2) Remove the 2 - 7mm / phillips screws. This frees the unit to be unclipped.

(Image 3) Next, remove the entire unit. To do this, gently insert your trim removal tool at the top of the unit in the seam between the unit and dash. Pry gently to start to remove it from its clips. Gradually work your way around the top of the unit. Once the top clips are free, you should be able to free the rest of the unit by pulling back on it.

Be aware, the electrical cable supplying the axillary/lighter receptacle is connected. You may remove this if you choose. The unit will sit in the center console without disconnecting this cable.

Step 3 - Remove various dash panels

At this stage, there are several small dash panels that need to be removed. These are all held on by clips. You will use your trim removal tool to remove these

(Image 1) Starting on the lower right hand side of the cluster, remove the Ignition control panel by inserting the tool at the bottom of the panel and prying up gently. The wire will remain attached.

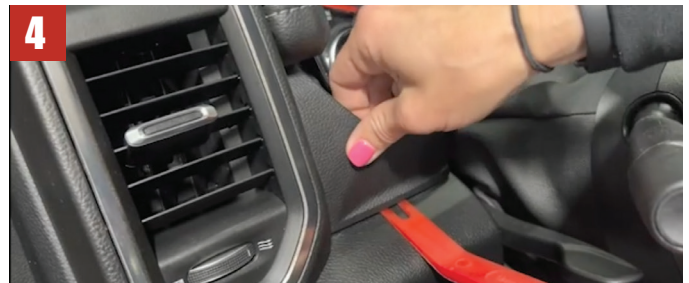
(Image 2) Next, remove the shift/drive panel bezel. Start on the top corner near the steering column and work from left to right until the bezel comes free. Set it aside.

(Image 3) Remove the kick plate located just below the steering column. To do this, you may pull down the top edge with your hands. This unit folds down but does not need to be fully removed.

(Image 4) Next, remove the small trim panel located directly to the lower left of the cluster. Do this using the same technique used to remove the ignition panel. Insert the tool at the bottom of the panel and pry up gently. Set the panel aside.

(Image 5) Remove the panel to the left of the kick plate, housing the manual parking brake release. To do this, pry the panel from the top. Like the kick plate, this unit folds down but does not need to be fully removed.

(Image 6) Finally, remove the light control panel to the left of the steering column. Starting at the top of the panel near the steering wheel, pry gently using your trim removal tool. Work your way around the unit until it is free. The wire will remain attached.

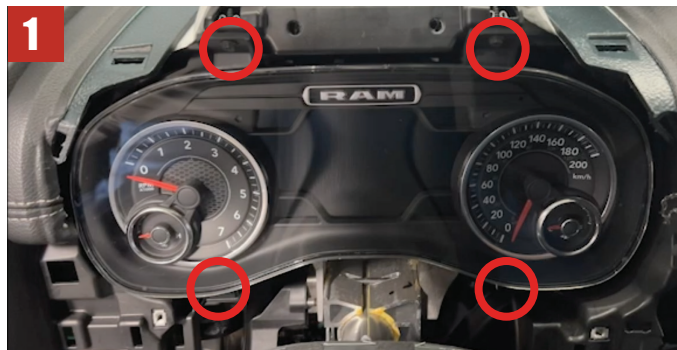
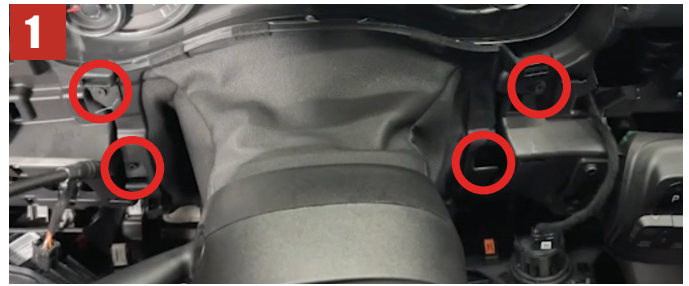


Step 4 - Remove Steering Column Shroud

It is time to remove steering column shroud.

(Image 1) Remove the 4 - 7mm / phillips screws, located around the steering column shroud.

(Image 2) With the screws removed, use your trim removal tool to pry or pull with your hands on the shroud frame to free the shroud from its clips.



Step 7 - Remove Instrument Cluster

(Image 1) The instrument cluster is held into the dash by 4 - 7mm / phillips screws. Remove them and pull the cluster out of the cavity.

(Image 2) Remove the wiring harness from the back of the cluster and lift the cluster free.

Removing OEM Gauge faces for RAM Trucks

We will now install your gauge face in your Ram Truck

(Image 1) First, we will remove the lens. Undo clips around the instrument cluster while applying constant pressure to separate the lens from the cluster.



(Image 2+3) Next we will mark our needle positions on the OEM gauge face. Make sure all the needles are resting at their start positions. Mark those positions with a permanent marker on the white section of your case. The fuel gauge should be marked for reference on your OEM gauge face. **This step is crucial.** You will refer to these marks when reinstalling your needles to make sure they are indexed properly. It will be difficult to calibrate your cluster to read properly without these marks.



It is a good idea at this point to take note of the spacing between the needle and gauge face. When reinstalling your needles, you will want to match this spacing as closely as possible.

(Image 4) It is time to remove your needles. Simultaneously turn the needle counter clockwise and pull the needle out to remove it. Repeat this for all needles.



(Image 5) Remove the OEM gauge faces by simply pulling them off of the cluster. Set the OEM Gauge Faces aside.

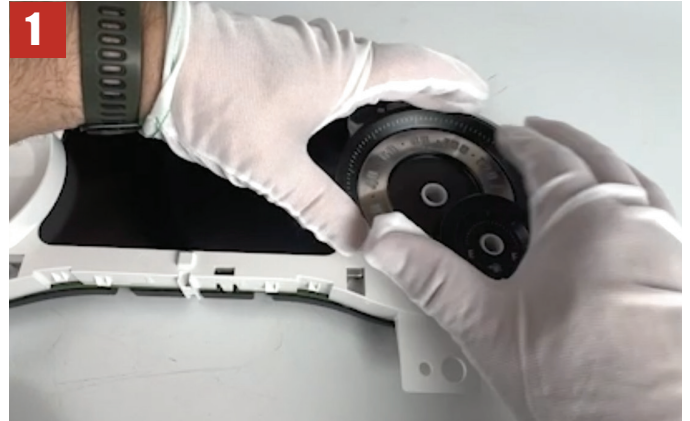


US Speedo Stainless or PVD Coated Editions Install for RAM Truck

We will now install your US Speedo Stainless Edition or PVD Coated (Aqua, Amethyst, Stealth) Edition Gauge Face in your Ram Truck Cluster

Start by putting on the supplied cotton gloves. This will protect the stainless surface from fingerprints.

(Image 1) Set your US Speedo Stainless Edition Custom Gauge Face in place of the OEM gauge faces.



(Image 2) Next, we will reinstall the needles. Refer to the marks you made on the OEM case and gauge face. Position the needle in the same position and push the hub down onto the needle stem. Push straight down.



Be careful to leave a little room between the needle hub and the gauge face. Check to make sure the needle is in the same relative position as previously marked. The needle can be rotated counter clockwise until it hits the desired start position you previously marked on your OEM gauge face.

(Image 3) Remove any debris from your gauge face surface and reattach the lens to the cluster.



Your cluster is now ready to be reinstalled in your vehicle.



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