

# Installation instructions for Ford Ranger tailgate storage

1. Prepare the tools needed for installation of the tailgate storage kit. You will need the following: an angle grinder, metal file, Phillips head & flat blade screw drivers, H3 hex bit, T40 torx bit, drill, spanners, Permanent Loctite RED 271, touch up paint and appropriate personal protective equipment (PPE).
2. Remove the tub liner (if fitted) and the internal tailgate inspection plate so that your tailgate looks like the photo below. There are 13 spot welds in the ribbed section and 4 spot welds near the handle mechanism that must first be drilled out as there is internal ribbing that cannot be accessed until the top metal has been removed. You should use a large diameter bit to drill out the spot welds, preferably 12-15 mm. Be very careful to only drill deep enough to separate the top layer from the internal ribbing, if you push too hard you run the risk of the drill bit driving through to the outer skin and damaging it.



3. Place the provided paper template onto your tailgate as shown below



Ensure the template is first centered left to right across the tailgate and parallel to the top of the tailgate. Once the template is correctly located, secure it to the tailgate with magnets or weights and trace the inner perimeter with a marker to indicate your cut path. Before you begin cutting please look carefully at the photo below. You will notice that the wiring for the reverse camera runs very close to the top skin that you are about to remove. The internal ribbing prevents easy access to the area where the wiring intersects the marked cut path, therefore, it is recommended to avoid cutting this section to begin with. Instead cut away the other sides until you can pry up the sheet metal and ensure that your grinding blade will not cut through the wiring.

4. If the spot welds have been properly drilled out, the metal you have cut should begin to lift away. Use your grinder or a hacksaw to remove the internal ribbing that runs left to right through the tailgate ensuring that it is cut back enough to allow the storage box to be dropped in. The template provided is a snug fit, if you cut inside the marked perimeter by a few mm you will find the box will not fit properly. If this is the case, simply file or grind away the sections as needed. You should now have an open tailgate as shown below.

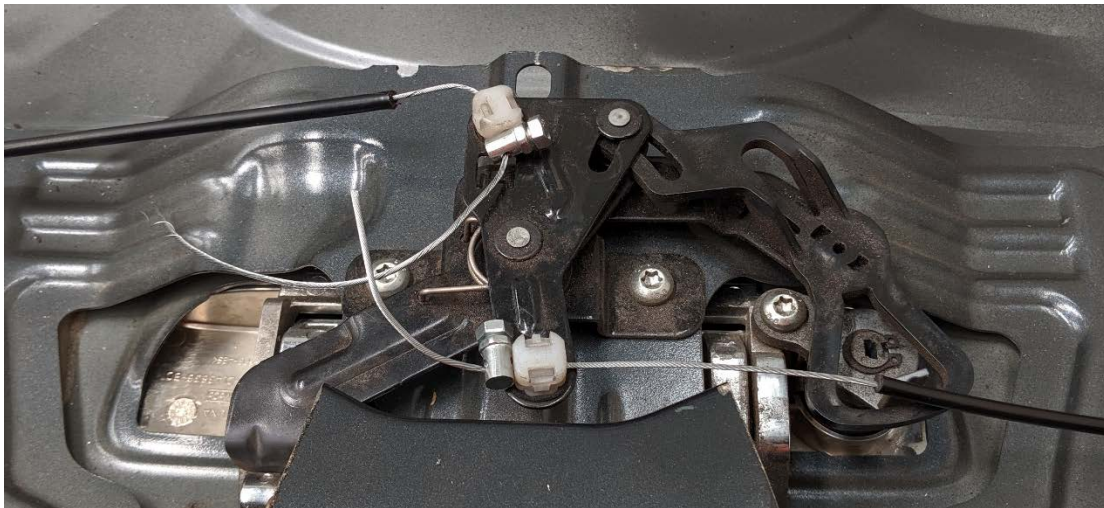


5. Now is the best time to file down any sharp edges and touch them up with a base primer to prevent any rust forming in future. Vacuum out any debris inside your tailgate and prepare to install the supplied storage compartment.
6. In order to maximise the storage space available, the solid rods that run left to right through the tailgate must be removed and a cable release installed in its place. Remove the internal rods then using the T40 Torx bit, remove the latch mechanism from the side of the tailgate. Install the nut and bolt wire clamp through the same hole that the original release rods were mounted to then pass the provided wire through the hole and tighten the assembly. Ensure that you have pulled the wire all the way through the wire clamp before remounting the latch mechanism. Note: This step can be performed without the T40 Torx however it is very difficult to properly tension the release cable without one.





7. Refit the black sheath over the wire then pass the other end through the white clip that the corresponding release rod was connected to in the centre of the tailgate and fit another wire clamp on the opposing side. Do not tighten this clamp or trim the wire yet, you will adjust this properly after the storage box has been installed. If you tension the wire now the storage box will not be able to sit into the tailgate correctly. Repeat the cable conversion with the latch on the other side



8. Your storage compartment was shipped to you with some M5 transport bolts. These hold the top piece to the internal storage box and prevent any chafing or movement during shipping. They will not be needed for the install, however, before removing them disconnect one end of the gas struts by releasing the clips with a flat blade screwdriver. Use an M8 spanner and H3 hex bit to remove these transport bolts and separate the top plate and door from the internal

storage box. Note that the gas struts are necessary to hold the door hinge fully closed. Once removed the internal door may not close properly until they are refitted. Take care not to force it closed as it may chip or scratch the powder coating.

Fit the internal storage box into the tailgate you have cut open ensuring it is sitting central left to right and that it clears the internal door locking mechanism and adjust if necessary. Fit the top plate and door to the storage box and line up the mounting holes between the sheets. You may need to use a small screwdriver to assist with lining up the sheets.

Open the zip-lock containing the self-tapping screws and provided square drive bit. While these screws can be fitted with hand tools, we strongly recommend using a drill that has a torque-limiting screw setting. Too much torque can strip out the tailgate steel, snap the screw or strip the head. Generally, start with a very low torque setting and increase it slowly as needed until it can drive the screws all the way down. Continue until all screws have been fitted.

9. Refit the gas struts for the door
10. This step is critical to the reliability of your tailgate release mechanisms, particularly if you have a 'Roll-N-Lock' style tonneau cover or draws in the tub. Apply Loctite to the thread of the wire clamps then tension the release cable through the white clips attached to the central handle mechanism. Tighten the wire clamps firmly. To test the tension, use a screwdriver to engage the latches on each side and check to see if the handle successfully releases the latches. The latch should release with about 1/3 of the total movement range of the handle. Test multiple times rapidly to ensure the wire clamp has a good bite on the wire.

The use of permanent Loctite RED 271 is recommended to prevent the wire clamps coming loose over time as this would prevent the tailgate mechanisms from releasing. In the event this does occur simply open the tailgate storage door and remove the inspection cover where you can manually release the cables. This only becomes a serious issue if you cannot open the tailgate storage door with the tailgate closed, I.E: if you have a Roll-N-Lock that is released by opening the tailgate or if you have permanently mounted tub drawers.

11. Install the provided handle cover and secure with M6 bolts.
12. Install camera protection cap over the back side of the reversing camera. Note: this does not need to be pressed all the way down
13. Installation is now complete! Enjoy your new tailgate storage compartment. We love seeing your photos, please feel free to tag us on Facebook (@huracanfab) or Instagram (@huracan.fab) or even message us directly with your pics.

If you need to contact us directly with any questions, please either email us at [Sales@huracanfabrication.com](mailto:Sales@huracanfabrication.com) or message us directly on Facebook. We monitor both these channels frequently and will get back to you as soon as we can.