

# WARN VR EVO CLUTCH RELOCATION INSTALLATION INSTRUCTIONS

## SAFETY

Your safety is extremely important to us. Working on vehicles has ever-present hazards which require precautions at all times to avoid injury or death. We've outlined some precautions to take below in order to help you make informed decisions about your safety before installing this product. This is not an exhaustive list, and you must use your own good judgment before performing any work in each step of this installation.

### ALWAYS:

- wear eye protection
- use tire blocks and emergency brake
- disconnect battery(s)
- use care when moving components
- route electrical cables away from moving parts
- identify all pinch points
- wear gloves
- identify slipping and tripping hazards
- wear steel toe footwear
- understand proper use of tools before use
- work on a flat surface
- use care when lifting components
- insulate cables
- jack your vehicle from the OEM's lifting points
- torque all fasteners to suggested specs
- remove any hazards before starting on the job

## LIABILITY

All liability for installation and use of this product rests with the owner. Improper installation, maintenance, and operation can result in serious injury or death as well as equipment or vehicle damage. Use this product at your own risk.

## SET UP

1. Read this entire document before performing any work.
2. Gather the tools required, outlined in **Table 1**.

Table 1

Tool List
<ul style="list-style-type: none"><li>• 4mm Allen key</li></ul>

3. Park your vehicle on flat ground, engage the emergency brake, block the tires, and disconnect the negative battery terminal.
4. Remove the 4mm Allen head set screw on the clutch handle, as shown in **Figure 1**. Remove the clutch handle and ensure the clutch is engaged.

## Rotating Clutch Housing

If the installation requires the clutch handle face a different direction follow the steps below to rotate the clutch housing to face the appropriate direction.

5. Remove the seven (7) 4mm Allen head screws around the circumference of the clutch side housing.



Figure 1



Figure 2

6. Slowly rotate the side of the winch until it faces the appropriate direction and reinstall the seven (7) 4mm Allen head screws.

## Determining the length and assembling (*unassembled kits only*)

If you ordered a pre-assembled clutch extension skip this section. If you purchased a universal/custom length kit then follow the instruction below to determine the appropriate length and ensure that the kit actuates the clutch as intended.



Figure 3

Kit contents:

- Handle adapter- bumper side
- Handle adapter- winch side
  - Bearing block
  - Handle set screw
- Bearing block screws [socket head cap screw for fastening through rear of block] (2X)
  - Bearing block screws [flat head for fastening through front of block] (2X)
    - Hydraulic hose
- Hydraulic hose crimps (2X)

The clutch relocation kit can extend the clutch between approximately 5" to 18", distances shorter than 5" can be difficult to fit in crimpers (consult your local hydraulic hose shop before deciding on a very short length to ensure they will be able to crimp the fittings).

Lengths greater than 18" can introduce play into the handle and make the action of engaging and disengaging the clutch less precise. It will still work but VICE recommends sticking to less than 18" for best results.

Applications where the clutch mount on the winch and the handle location on the bumper are directly co-axial are preferred, but the flexible hose does allow for misalignment, and even u-shaped applications.

7. With the handle removed from the winch and the VICE relocation handle dry-fit on the winch use the hose to approximate where the handle should locate on your bumper or the body of your vehicle.

8. Determine whether to mount the bearing block on the top face, fastening through the back side of the block, or on the rear of the panel using the flush mount screws. Either are acceptable.
9. Drill holes using the bearing block as a template.
10. Determine the appropriate cut-length of hose allowing for smooth operation of the clutch mechanism. Ensure that the hose will fully seat on the handle adapters to prevent slippage during operation.
11. Take the assembly to a local hydraulic hose retailer and have them crimp the supplied ends on.

## Completing the Install

12. Install the VICE clutch extension onto the winch and secure in place using the provided set screw, as shown in **Figure 4**.
13. Test the connection by twisting the opposite end of the clutch extension and ensuring the clutch engages and disengages.



Figure 4



Figure 5

After the winch is installed on the truck, reinstall the clutch handle onto the clutch extension using the original set screw, as shown in **Figure 5**.