

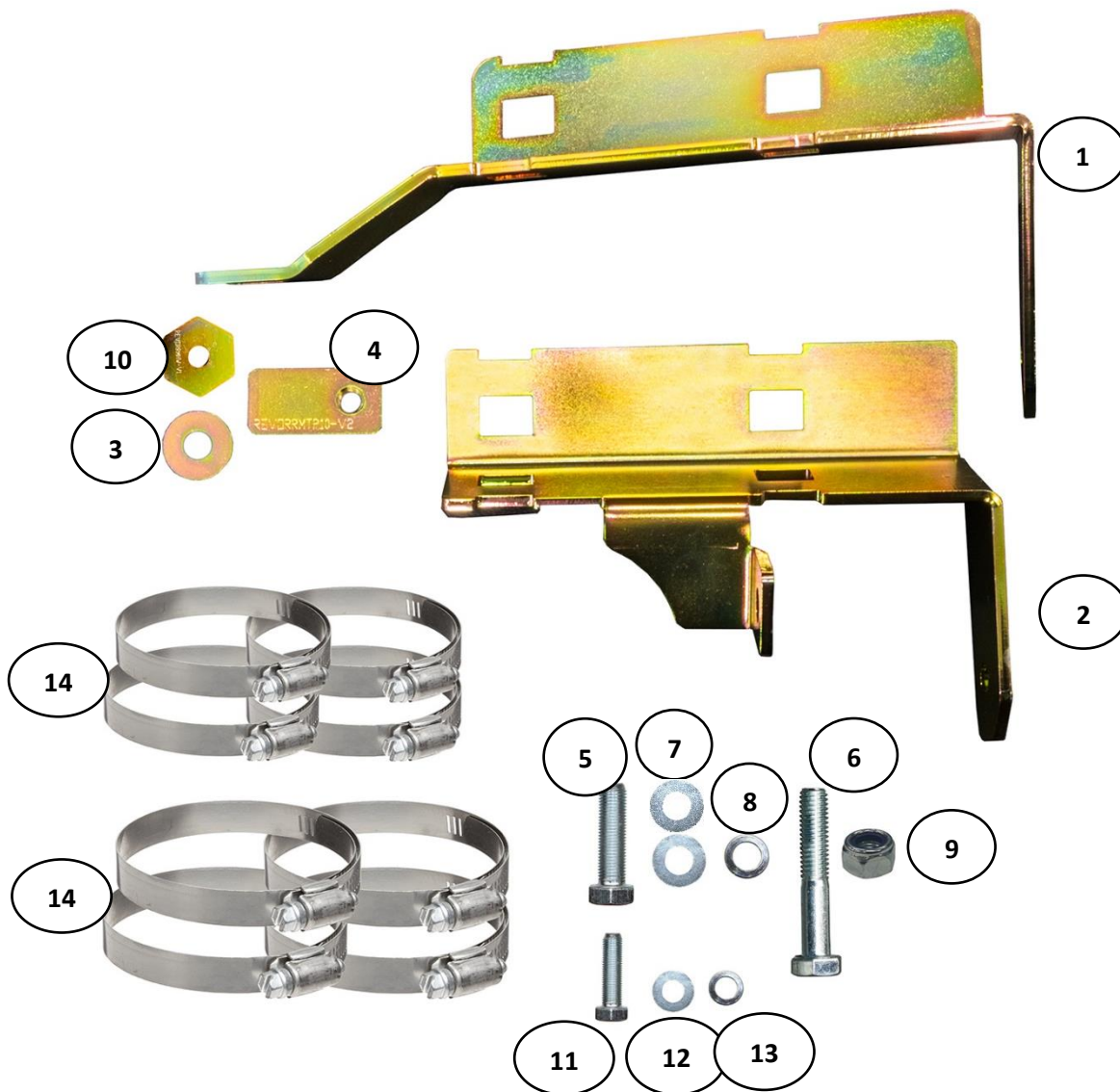
INSTALLATION INSTRUCTIONS

PART DESCRIPTION: SUPERIOR 2.0/2.5 SHOCK RESERVOIR MOUNT SUITABLE FOR TOYOTA HILUX REVO 2015 ON REAR			
PART LISTING			
ITEM#	CHECK LIST	QUANTITY	DESCRIPTION
1		1	REAR RES MOUNT – DS
2		1	REAR RES MOUNT – PS
3		1	REAR RES MOUNT WASHER**
4		1	M10 THREADED PLATE
5		1	M10 x 1.5 x 40 HEX HEAD BOLT ZINC
6		1	M10 x 1.5 x 110 HEX HEAD BOLT ZINC
7		2	M10 FLAT WASHER ZINC
8		1	M10 SPRING WASHER ZINC
9		1	M10 NYLOC NUT ZINC
10		1	HEX WASHER ZINC
11		1	M8x1.25 x 30 HEX HEAD BOLT ZINC
12		1	M8 FLAT WASHER ZINC
13		1	M8 SPRING WASHER ZINC
14		4	38-63mm HOSE CLAMP
15		4	64-89mm HOSE CLAMP

**REAR RES MOUNT WASHER (3) is not required if vehicle is fitted with a Superior Engineering Chassis Brace kit.

8 Chrome Court Burpengary 4505 QLD AUSTRALIA
(07) 5433 1411

INSTALLATION INSTRUCTIONS



8 Chrome Court Burpengary 4505 QLD AUSTRALIA
(07) 5433 1411

INSTALLATION INSTRUCTIONS

IMPORTANT: Please read and understand these installation instructions before beginning the installation process. Retain these installation instructions for future reference. It is recommended that this item be installed by a qualified person(s) with sound knowledge of 4x4 Steering & Suspension Geometry and/or 4x4 Accessories.

WARNING

- Estimated installation time: 1-2 HOURS
- The following steps are the installer's responsibility.
- Ensure all parts have been received correctly and are suitable for the intended vehicle before undertaking any installation.
- Make sure all fasteners are tightened to the advised torque settings and 262 Loctite is used on all threads unless otherwise specified.
- Recheck all fasteners within 500Kms of installation, and at every service interval thereafter.
- This product must be installed as per these instructions, only using the hardware supplied by Superior Engineering unless given prior written consent from Superior Engineering.
- This product is not to be fitted differently or modified in any way other than specified by Superior Engineering.
- This product is not to be used on any other vehicle than those specified by Superior Engineering.
- Once the product has been installed ensure all OE and Aftermarket components within proximity of the installed Superior Engineering component clear through the full range of your vehicles Steering & Suspension movement.

Size	Torque (Nm)	Torque (lbft)
M8	25	18
M10	49	36

CAUTION

Please ensure all bolts are tightened to correct torque setting with 262 Loctite.
Recheck in 500km and regular service intervals

8 Chrome Court Burpengary 4505 QLD AUSTRALIA
(07) 5433 1411

INSTALLATION INSTRUCTIONS

BEFORE STARTING

Park the vehicle on flat/level ground. Ensure parking brake is engaged, and the vehicle is secure

While it's not required to take the wheel off for the install of the Remote Res Kit, it may make access easier. Ensure you have the vehicle safely secured before lifting.

DRIVERS SIDE

1. Remove the M8 bolt for the Heat Shield on the crossmember in front of the spare tire. A longer bolt has been supplied with this kit, and the original will not be used. Refer Figure 1 & 2

Note

If the vehicle is fitted with 2.5 Remote Reservoir shocks, the shock must be orientated so that the swivel fitting on the shock absorber body is facing the rear of the vehicle so the hose can safely loop back to the Reservoir without risk of damage.

2. Feed the Reservoir through the gap between the tub and chassis in front of the shock absorber mount. so that it is on the outside of the Chassis. *Note that it is not possible to do this step after the Mount is fitted.* Refer Figure 2
3. Feed the appropriate size HOSE CLAMPS (14 OR 15) for the shock fitted to your vehicle, through the slots on RES MOUNT – DS (1).
 - a. If fitting a 2.5 Reservoir, ensure that the adjustment screw is facing directly down on the side closest the shock. Ensure these are tight enough to minimize adjustment once fitted, but loose enough to get the Reservoir through. These can be difficult to gain access to once the reservoir is fitted.
 - b. If fitting the 2.0 Reservoir, ensure the adjustment screw is positioned at the top to allow a ratchet or similar to access it once the Reservoir has been fitted.
4. Feed the Reservoir mount through the gap between the tray and chassis, in front of the Shock mount, so that the 90° folded leg is on the outside of the chassis. Refer Figure 3.
5. Apply Loctite 262 to the M10 HEX BOLT (5) and loosely fit the Threaded plate using the bolt, M10 FLAT WASHER (7), and M10 SPRING WASHER (8) to the 90° folded leg. Slide the threaded plate into the square hole on the chassis. While holding tension on the mount, tighten the Bolt so that it will hold the mount Firm. Leave this loose enough for adjustment. Refer Figure 4.

8 Chrome Court Burpengary 4505 QLD AUSTRALIA
(07) 5433 1411

INSTALLATION INSTRUCTIONS

6. Apply Loctite 262 to the M8 HEX BOLT (11). Fit the Bolt, M8 FLAT WASHER (12), and M8 SPRING WASHER (13) through the mount, to the crossmember where the M8 Bolt was removed in step 2. Tighten to the specified torque setting.
7. Feed the Reservoir through the clamps so that the adjustment dial and hose fitting are facing the outside of the vehicle while ensuring the Hydraulic line is clear of any moving suspension components. The swivel connector on the reservoir should be positioned roughly in the 9 o'clock or 10 o'clock position. Tighten the clamps until firm. **DO NOT OVERTIGHTEN THE HOSE CLAMPS. OVERTIGHTENING CAN RESULT IN DAMAGE TO THE RESERVOIR WHICH WILL NOT BE WARRANTED BY SUPERIOR ENGINEERING.** Refer Figure 5.

Note
Each vehicle is different, and will have minor clearance differences. You may find it easier to fit the reservoir to the mount and tightening the clamps prior to fitting the mount to the vehicle. It can be difficult to feed this into the mount location however.

8. Tighten the M10 Bolt which was left loose in step 4 to the specified torque setting.

PASSENGER SIDE

1. Pull the wiring loom clip out from the inner side of the chassis behind the Shock and undo the bolt behind the shock absorber, holding the cable bracket in place. Move the wiring loom away from the chassis to allow your mount to fit freely. (Note you do not need to remove the bracket entirely).

Note
If the vehicle is fitted with 2.5 Remote Reservoir shocks, the cable bracket is removed entirely during fitting of the shock absorber.
Some Models of Hilux will have an electrical wire going through the hole that the M10 bolt will feed through. This can be left in place, so long as you ensure that the wire is not being crushed once the bolt is tight.

2. Feed the reservoir through the gap between the Chassis and Tub behind the shock mount, so that it's sitting on the outside. *Note: This is significantly easier prior to the mount being installed.*

INSTALLATION INSTRUCTIONS

3. Feed the appropriate size HOSE CLAMPS (14 OR 15) for the shock fitted to your vehicle, through the slots on RES MOUNT – PS (2).
4. Feed the Reservoir through the clamps so that the adjustment dial and hose fitting will be facing the outside of the vehicle while ensuring the Hydraulic line is clear of any moving suspension components. Tighten the clamps until firm. **DO NOT OVERTIGHTEN THE HOSE CLAMPS. OVERTIGHTENING CAN RESULT IN DAMAGE TO THE RESERVOIR WHICH WILL NOT BE WARRANTED BY SUPERIOR ENGINEERING.**
5. Slide the Res mount through the gap between the tray and chassis, behind the shock mount, so that the longer leg is on the outside of the Chassis. The inner leg will fit between the cable bracket and the chassis. Refer Figure 6
6. Apply Loctite 262 to the M10 HEX BOLT (6) and feed the Bolt and the M10 FLAT WASHER (7), through the 90° folded leg, out the other side of the Chassis. Put the HEX WASHER (10), and the NYLOC NUT (9) on the back, and tighten to finger tight. Leave this loose enough for some adjustment.
7. Fit the REAR RES MOUNT WASHER (3) between the inner leg of the mount and chassis. Apply Loctite 262 to the bolt removed in step 1, and refit to the specified torque setting. Refer Figure 7.

Note
If your vehicle is fitted with a Superior Engineering Chassis Brace kit, you will not need to use the provided Rear Res Mount Washer (3).

8. Replace and reclip the Wiring loom which was moved in Step 1. If you're unable to reuse the original clip, it is recommended to zip tie the loom to the wiring bracket to prevent any unwanted movement. **DO NOT ZIP TIE THE WIRING LOOM TO THE SHOCK ABSORBER.**
9. Tighten the M10 Bolt left loose in step 6 to the specified torque setting.

INSTALLATION INSTRUCTIONS

PHOTOS FOR REFERENCE



FIGURE 1: Drivers Side - M8 bolt to remove on crossmember.

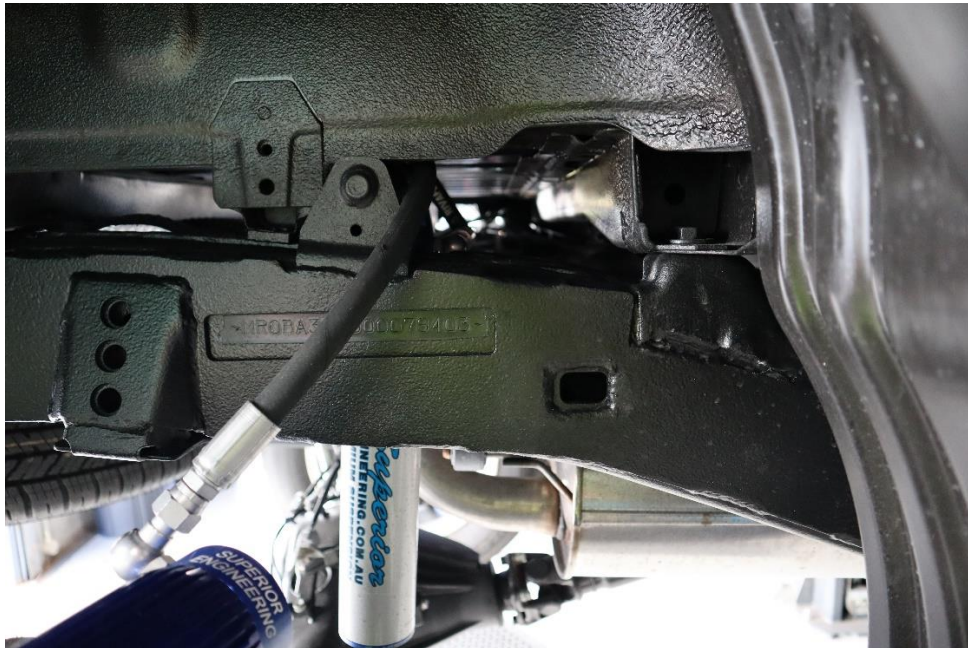


FIGURE 2: Drivers Side - Remote Res Fed through prior to installation of Mount.

8 Chrome Court Burpengary 4505 QLD AUSTRALIA
(07) 5433 1411

INSTALLATION INSTRUCTIONS



FIGURE 3: Drivers Side - Fitting the Threaded plate and Hose Clamp positions to suit 2.5 Res Shock

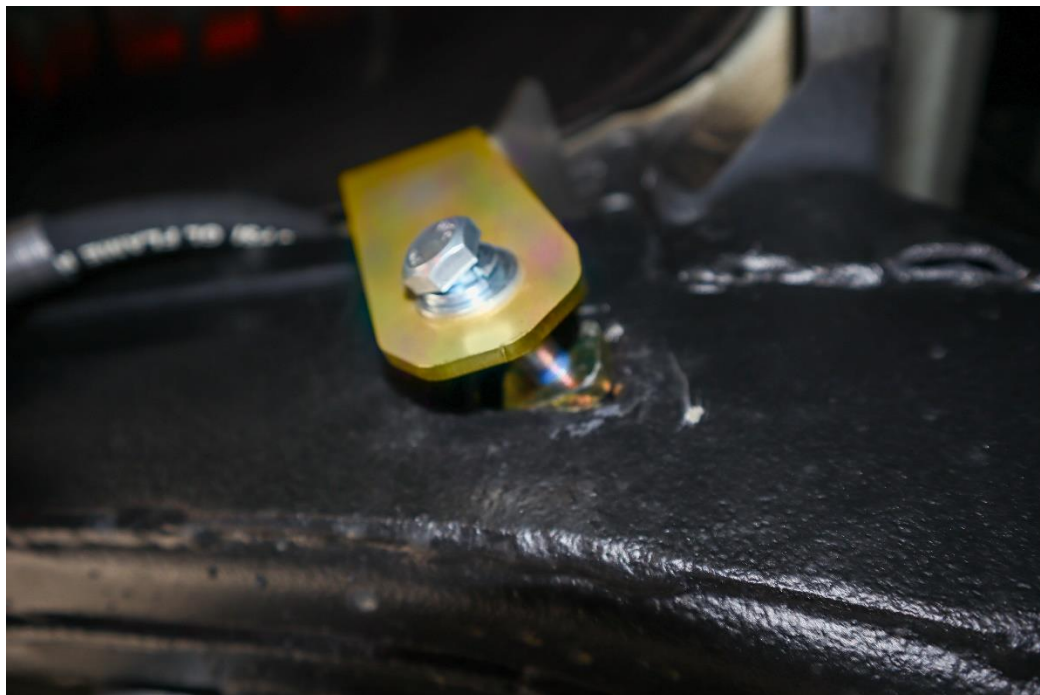


FIGURE 4: Drivers Side - M10 Bolt left loose after fitting bolt and Threaded Plate.

INSTALLATION INSTRUCTIONS



FIGURE 5: Drivers Side - Feeding the Reservoir into the mount, with the adjustment dial on the outside.



FIGURE 6: Passenger Side – Feeding the mount with Reservoir installed into place.

8 Chrome Court Burpengary 4505 QLD AUSTRALIA
(07) 5433 1411

INSTALLATION INSTRUCTIONS



FIGURE 7: Passenger Side – Example of inside of mount showing Washer installed for Vehicles not fitted with Superior Engineering Chassis Brace kit.



FIGURE 8: Drivers Side – Complete fitted Remote Res mount.

8 Chrome Court Burpengary 4505 QLD AUSTRALIA
(07) 5433 1411

INSTALLATION INSTRUCTIONS



FIGURE 9: Passenger Side – Complete fitted Remote Res mount.