



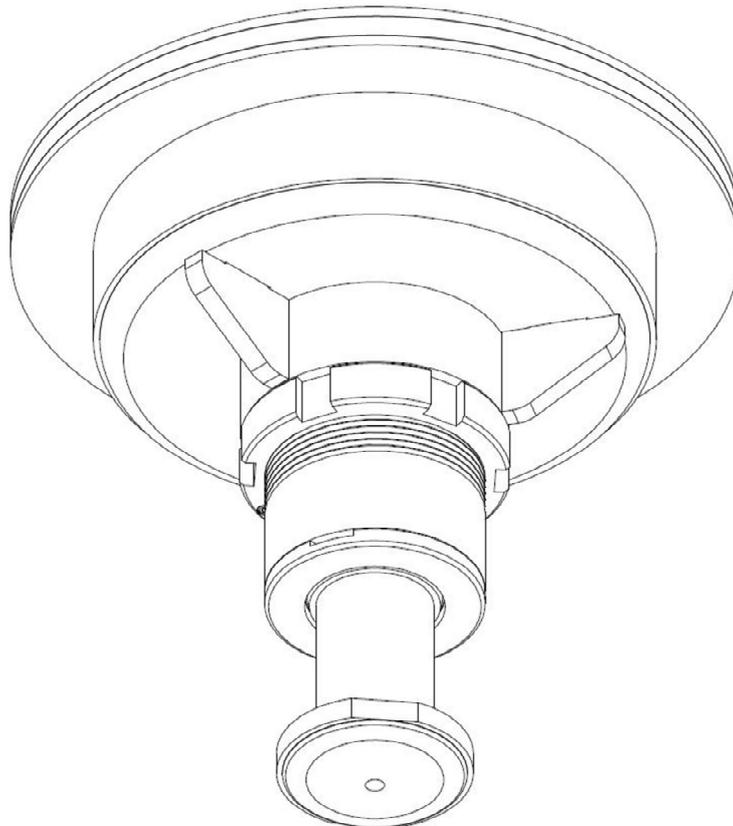
Install Instructions

Fitment	Part Number	Part Number
Toyota Landcruiser 200 series	Hydraulic Bump stop	HBS56-009
	Bracket Kit	HBS59-013K

NOTE – Installation is always recommended by a competent technician. Failure to properly install may result in vehicle damage.

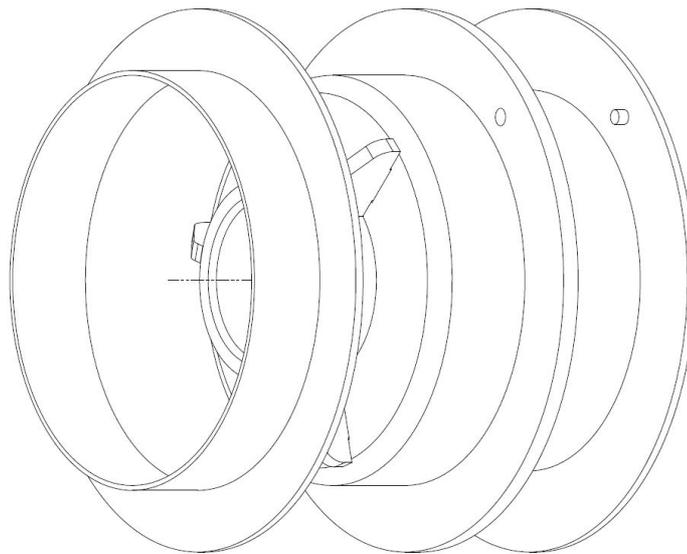
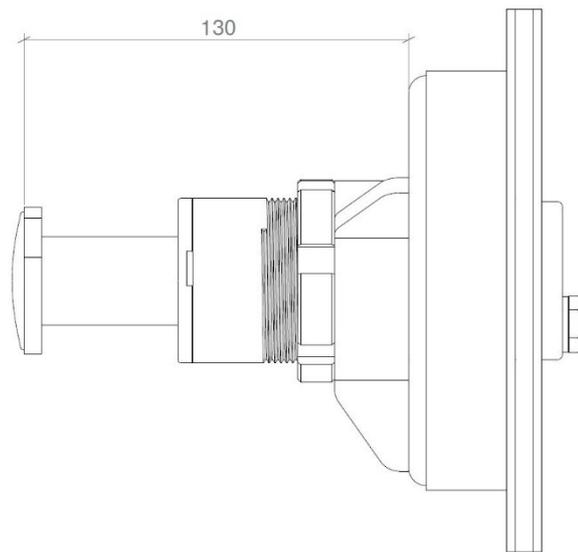
When fitting aftermarket replacement parts, it is important to note that your vehicle may behave and handle differently. Always follow relevant road rules and always use safe driving techniques and vehicle operating practices.

***** Long travel setups with a shock absorber with longer compression length, may require the original chassis rail rubber bump stop to be spaced down or extended. Always make sure the bump stop is impacting and bottoming out completely before the shock shaft bottoms out. Make sure the original chassis rail rubber bump stop also bottoms out about 8mm or so (this can be changed depending on your setup) before the bump stop fully bottoms out.**



ASSEMBLY:

1. Using the single small locking collar assemble the hydraulic bump stop into the Bump stop bracket.
2. Wind the bump stop in until the base of the striker pad is 130mm from the bottom of the threaded can.
(Note: this measurement may need to be changed when running long travel shocks and extended chassis bump stop)
3. Secure this position by tightening the locking collar.
4. Tighten grub screw to lock the ring in place
5. Secure the stepped rubber isolator to the coil side of the bracket and the flat isolator to the chassis side.



INSTALLATION:

1. Raise the vehicle off the ground and secure safely on a hoist or on correctly rated jack stands.
2. Support the weight of the differential with a jack.
3. Remove the lower shock bolt, sway bar brackets and brake line brackets.



4. Lower the differential until the coil and OEM bump stop can be removed.



5. Refit the coil with the Hydraulic bump stop assembly mounted in the coil. If you have a different longer travel shocks read below notes before proceeding with this step.



6. Raise the differential until the shock can be re-fitted.



Long Travel Shocks

7. Check the set distance of the hydraulic bump stop allows at least 8mm of travel beyond the chassis mounted bump stop, bump stop spacers may need to be fitted to achieve correct operation. (Failure to do so can result in damage to the vehicle.) Remember the idea of the bump stops is to stop the shock absorbers bottoming out. The shock should not bottom out before the bump stops are fully bottomed out.