

INSTALLATION INSTRUCTIONS

PART DESCRIPTION: Holden Colorado/Isuzu/Dmax/Mux Diff Drop			
PART LISTING			
ITEM#	PART#	QUANTITY	DESCRIPTION
1		1	DIFF DROP CROSSMEMBER
2		2	DIFF DROP BOSSES (20MM)
3		2	DIFF DROP BOSSES (30MM)
4		2	M14 X 1.5 X 120MM BOLT
5		3	M14 X 1.5 X 110MM BOLT
6		2	M14 FLAT WASHER
7		2	M14 SPRING WASHER
8		1	M14 X 1.5 NYLOCK/CONELOCK NUT
9		2	M10 X 1.25 X 25MM BOLTS
10		2	M10 FLAT WASHER
11		2	M10 SPRING WASHER

NOTE: Read and understand the installation instructions before beginning the installation process. Retain these installation instructions for future reference. It is recommended that this item is to be installed by a qualified person.

Size	Torque (Nm)	Torque (ft-lb)
M10	49	36
M14	135	96

1. Start with the vehicle wheels chocked front and rear with the handbrake on and the vehicle in gear or park.
2. Using a suitable lifting aid to support the front diff.
3. Remove the bash plates and the factory bolts in the crossmember as per the vehicle service manual, retain the factory bolts for use later.
4. Reuse the factory M10 bolts and nuts, and loosely fit the Superior diff drop crossmember into the existing factory location. (As seen in figure 10).
5. Loosely fit the bolts to the rear diff mount to the slotted hole on the diff drop crossmember using one (1) supplied M14x110mm bolt, two M14 flat washers with one Nylock/cone lock Nut. The bolt goes through from the bottom of the crossmember/diff mount with a flat washer under the crossmember and on top of the mount then loosely fit the nut on top.

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6. Unbolt both front diff mounts retaining the factory 4mm thick flat washers.
7. Due to different length CVs this kit is supplied with two different size bosses 20mm & 30mm you will need to work out what suits your car. The 20mm bosses use the M14x110mm bolt and the 30mm use the M14x120mm bolts.
8. Lower the diff enough to allow the diff drop bosses to fit in between the mount and the chassis. (As seen in figure 2). Reusing the factory 4mm thick flat washers. Start by using the 20mm boss. Fit the 20mm boss into place, between the chassis rail and the diff mount then loosely bolt in place using the M14x110mm bolt with the factory 4mm flat washer and the supplied spring washer. Repeat the fitting on the opposite side.
9. Tighten all the bolts up until firm. Lift the vehicle up safely using an appropriate lifting device. Until the front wheels are off the ground (full down travel)
10. Check to see if the wheel spins freely. If the wheel does not spin freely and is because of CV bind the use of the 30mm boss will be needed. Another thing can come into account e.g. wheel alignment, worn-out CVs please keep this in mind.
11. If needed repeat steps 6 to 9 using the 30mm bosses and the M14x120mm bolts.
12. Check to see if the wheel spins freely. If the wheel does not spin freely and is worse than before then the 20mm boss may need to be refitted (repeat steps 6-9 using the 20mm boss and M14x110mm bolt.
13. Once the correct boss size is fitted tighten all the bolts to the correct torque settings making sure to use 263 Loctite on all bolts.
14. Check the diff housing is not fowling on any componentry.
15. Refit the bash plate and use the supplied two (2) M10x1.25x25 with spring and flat washers to mount the bash plate to the diff drop crossmember. (The bash plate may need to be slightly modified to suit the lower mounting position.)

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PHOTOS FOR REFERENCE



FIGURE 1: CORRECTLY FITTED DIFF DROP CROSSMEMBER



FIGURE 2: CORRECTLY FITTED DIFF DROP BOSS

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FIGURE 3: CORRECTLY FITTED DIFF DROP