

INSTALLATION INSTRUCTIONS

PART DESCRIPTION:			
Nissan Patrol GQ-GU Hybrid Super Flex Radius Arm			
PART LISTING			
ITEM#	PART#	QUANTITY	DESCRIPTION
1		2	SHORT RADIUS ARM
2		4	SUPER FLEX ADAPTOR PLATE
3		2	HYBRID DROP BOXES
4		2	HYBRID DROP BOX BOSS
5		2	M16 X 75mm BOLT
6		2	M16 NYLOCK/ CONELOCK NUT
7		2	M18 X 100mm BOLT
8		2	M18 NYLOCK / CONELOCK NUT
9		4	M18 FLAT WASHER
10		2	M14 X 100mm BOLT
11		2	M14 NYLOCK / CONELOCK NUT
12		4	M16 X 100mm BOLT
13		4	M16 NYLOCK / CONELOCK NUT
14		2	CRUSH BOSS

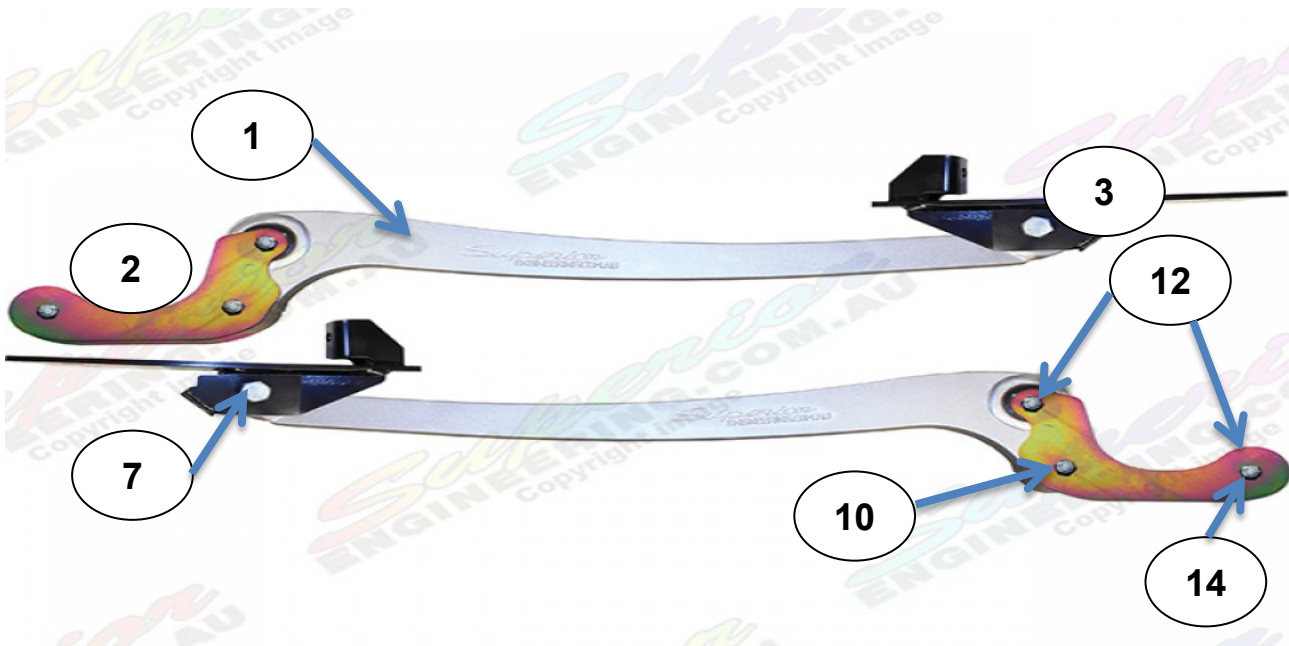
NOTES: Read and understand these installation instructions before beginning the installation process. Retain these installation instructions for future reference. It is recommended that this item is to be installed by a qualified person.

NOTES:
<ul style="list-style-type: none"> Approximate installation time: 2 HOURS. Ensure all parts have been received correctly. Ensure parts are suitable for the vehicle prior to undertaking the insulation.

CAUTION
<p>Please ensure all bolts are tightened to correct torque setting. Recheck in 500km. It is recommended the vehicle be wheel aligned after fitting this item.</p>

Size	Torque (Nm)	Torque (lbft)
M10	49	36
M12	85	64
M14	135	96
M16	215	157
M18	295	227

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NOTE

HOLES FOR ABS LINES ARE NOT DRILLED STANDARD AND MUST BE OPTIONED WHEN ORDERING.

WARNING

Caution should always be taken when working around the brake and ABS lines as failure can cause injury or death.

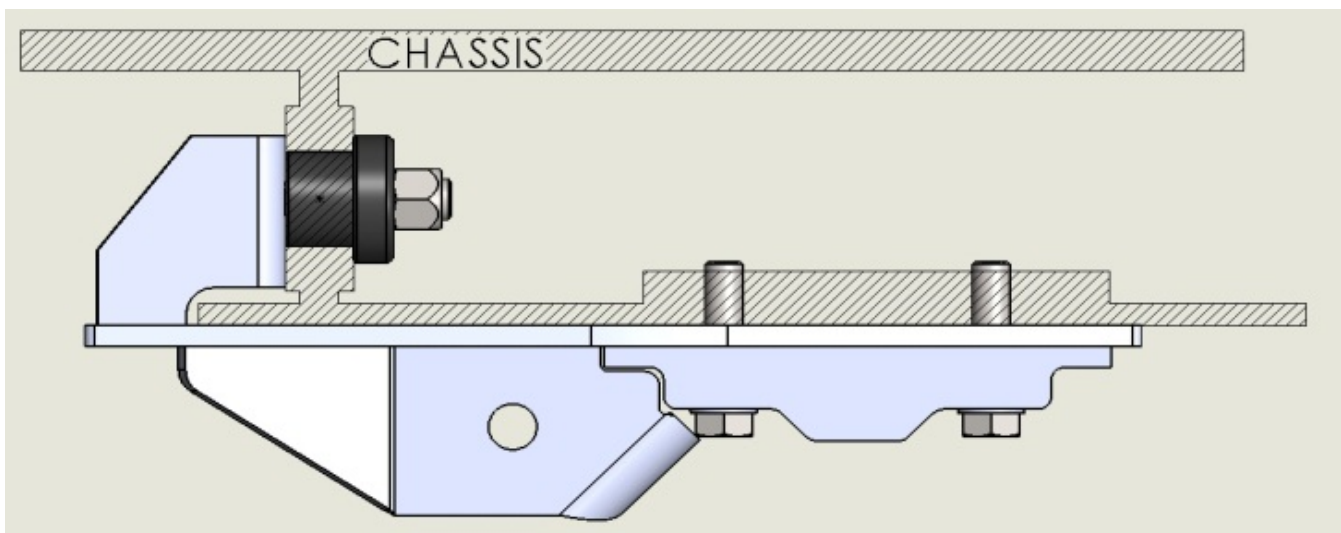


FIGURE 1: FITTING OF STEEL BOSS

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NOTE: Check shock length after fitting items, as they may no longer be long enough to suit the suspension travel.

1. Chock wheels front and rear with the vehicle in gear and handbrake on.
2. Remove the tie rod and sway bar as per the vehicle's service manual. If fitting the off-road series Hyperflex arms, the whole sway bar assembly will need to be removed including sway bar mounts.
3. Place a suitable jack under the pinion to hold the diff in position.
4. Remove the factory radius arms following the vehicle's service manual.
5. Using a suitable lifting aid unbolt the crossmember from the chassis. Lower the crossmember down enough to allow the hybrid dropbox plates to slide into place. Refit factory crossmember bolts loosely.
6. Fit the supplied stepped steel boss through the OE mount position for the radius arm. The steel boss will go through the chassis from the rear and butt up against the drop box at the front face.
Fit the supplied M16 x 75mm bolts through the drop box, and the steel boss, secure with the supplied M16 Nylock/Cone lock nut. (As in *figure 1*)
7. Fully tighten the main horizontal M16 bolt clamping the stepped boss through the chassis and the drop-box. Then tighten all nuts and bolts including the crossmember bolts, to the correct torque settings. Ensure no gaps at the bolted points and the chassis.

NOTE: Use 263 Loctite on all bolts

8. Fit the passenger side, a new short radius arm to the hybrid dropbox, following the same procedure as the driver's side.
9. Support the radius arm in place. Fit the Hyperflex adapter plates on either side of the radius arm and the diff housing. The crush boss fits in between the two plates at the front. The supplied M16 x 100mm bolt goes through the whole assembly, secure with the supplied M16 nut on the outside of the plates. (Crush Boss seen in figure 4)
10. Fit an M16 x100mm bolt through the top rear passenger hole. Make sure it goes through the Hyperflex plates, the factory radius arm mount and the Hyperflex arm. Then fit the supplied M14 x 100mm bolt through the lower rear hole. Both Bolts are Secure with the supplied M14/M16 nut on the outside of the plates.
11. Repeat steps 9 and 10 to the driver's side.
12. Move the pinion up or down so the last bolts for the lower rear bush line up with the holes in the hyper flex plates.
13. Then fit the supplied M14 x 100mm bolt through the lower rear hole. Both bolts are secured with the supplied M14/M16 nut on the outside of the plates.
14. If your vehicle is equipped with ABS, bolt the factory ABS bracket to the top side of the radius arms as per *figure 2*.

NOTE: Check ABS sensor lines are free to

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move through the full range of travel.

15. Re-fit sway bar (if performance series hyper flex arms) and tie rod as per vehicle's service manual.

16. Tighten all the bolts up to the recommended torque settings.

PHOTOS FOR REFERENCE



FIGURE 2: ABS LINE

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FIGURE 3: SHOWS PLATES FITTED ON THE PASSENGER SIDE



FIGURE 4: HYBRID ARM FITTED CORRECTLY

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FIGURE 5: CORRECTLY FITTED CRUSH BOSS

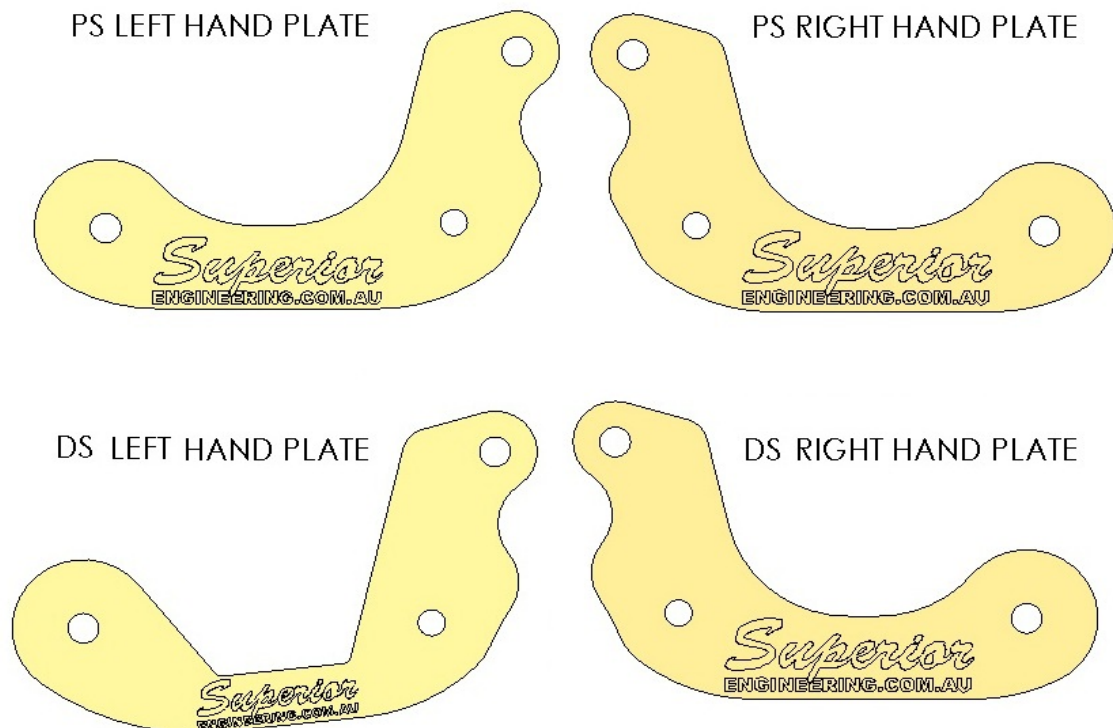


FIGURE 6: HYPER FLEX PLATES