

200 SERIES LANDCRUISER GX
“OUTBACK” CARGO BARRIER
INSTALLATION TO AS/NZS 4034.2:2001

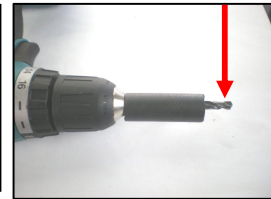
PART NO: COB200GX

NOTE: Rear Rack & Divider cannot be installed with 200GX barrier

For this installation you will need a 10mm & 13mm socket & ratchet, small flat blade screwdriver, 5mm, 6.2mm drill bits, small piece of plastic or rubber tubing to use as a drill depth gauge, a set of Vice Grips or Pliers and ‘Loctite’

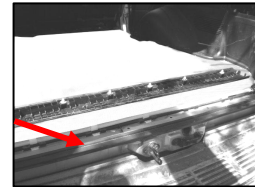
Warning: Never at any time undo or loosen 8mm bolts and nyloc nuts that attach Barrier Top Straps to Top Mounting Brackets - these are preset to correct torque so ‘Nylon Grip Brake Assembly’ functions correctly.

NOTE: When drilling holes cut a small piece of plastic or rubber tubing to use as a drill depth gauge allowing only **20mm** of drill bit to be exposed- always use depth gauge when drilling holes to prevent damage to outer skin of vehicle

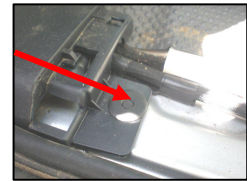


VEHICLE PREPARATION:

^ Using plastic trim removal tool remove rear mat protector strip



^ Remove small plastic plugs from bottom of both plastic side trims



^ Using a small screwdriver remove plastic plug from rear door Step Panel

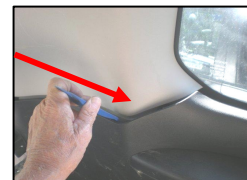
^ Unclip and remove rear door Step Panel



^ Using trim removal tool unclip and remove side trim panel starting from ***rear** of vehicle.



^ Work removal tool towards ***front** of vehicle to unclip side trim from metal side panel



^ Pull and remove plastic side trim starting from ***rear** of vehicle



^ Remove centre topmost plastic fixing clip from inside of side trim

^ Using a **6mm** drill bit drill a hole from inside of side trim to outside at point of where plastic trim clip was removed.



^ Thread **one (1) M6x40** hexagon head set screw with **M6 flat washer under head of bolt** into one end of a threaded plate.

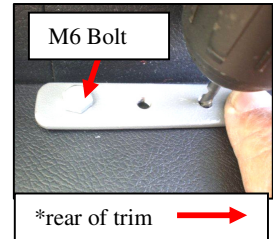
NOTE: Plate and bolt will now be used as drilling template on both side trims and vehicle inner metal skin.



^ From inside of plastic trim push **M6** bolt with threaded plate attached through **6mm** hole drilled in side trim- **Note; vacant holes in threaded plate must face *rear of trim**

^ Hold threaded plate level on inside of plastic trim and using a **5mm** drill bit drill through end hole in threaded plate through side trim.

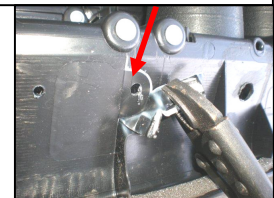
Note: Take care not to cause damage to threaded hole!



^ Break away trim clip plastic mounting to expose drilled **6mm** hole and leave inside of trim around 6mm hole clear and clean

^ From inside of plastic trim use an electric or battery drill with **9mm** drill bit to drill **5mm** and **6mm** new drilled holes out to **9mm**

Drill **5mm** and **6mm** holes out to **9mm**



^ On **RH** side of vehicle: Carefully use a round file to elongate hole in metal frame located **50mm *rear** of plastic trim fixing hole.

Elongate hole level and **10mm** towards ***rear** of vehicle

Note: Take care not to damage vehicle outer skin with end of file.

Plastic trim fixing hole



^ On **L/H** side of vehicle locate plastic trim clip fastening hole in metal frame of vehicle.

Plastic trim clip fastening hole



Plastic trim clip

^ Using plastic trim fastening hole fasten threaded plate to metal frame of vehicle.

Note: Threaded plate must face ***rear** of vehicle.

Plastic trim fastening hole



← ***rear of vehicle**

^ Using a **5mm** drill bit and drill depth gauge with only **20mm** of drill bit showing drill through ***rear** hole in threaded plate.

Note: Take care not to damage **M6** threaded hole.

*rear hole



^ Remove threaded plate.

^ Using a **6.2mm** drill bit and drill depth gauge with only **20mm** of drill bit showing drill **5mm** hole to **6.2mm**



^ Fasten **M6x40** hexagon head bolts with **M6x12 flat washers** under heads of bolts into the **two (2)** threaded plates.



^ Use plastic trim fastening holes with drilled hole on **LH side** and elongated hole on **RH side** of vehicle to fix fastening plates to insides of metal frame.

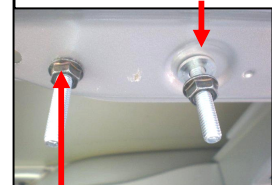
NOTE: Place one (1) **M6x20** flat washer behind metal inner skin.

NOTE: Place one (1) **M6x20** flat washer front of metal inner skin.

See diagrams attached for assembly of fastening plates

^ Use 'Loctite' on threads of bolts.

1- M6x20 flat washer in front



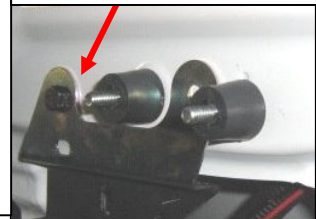
1- M6x20 flat washer behind

^ Using **M8x20x16** plastic spacers slide "hollow" end of spacers over exposed **M6** bolts.

Note: Hollow end of spacer must fit over **M6** nuts against metal frame of vehicle.

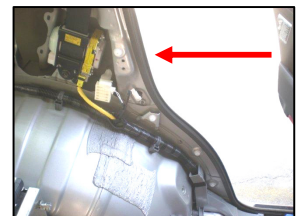
If ECU Mounting Plate fitted remove **M6x12** bolt and fasten to opposite side of ECU Mounting Plate

Fasten ECU bolt opposite side



^ Open ***rear** door. Clip and fix plastic side trim back into position by sliding from ***rear** door towards ***rear** of vehicle

^ When trim is in correct position carefully clip each trim clip into its original clip holder one at a time starting from bottom of ***rear** door

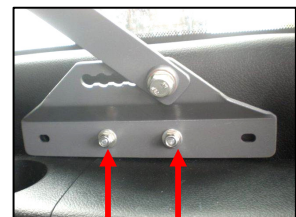


^ Attach Barrier Mounting Plate to **M6** bolts- fasten using **M6** dome nuts with **M6** spring & flat washers under dome nuts.

^ Fasten first dome nut on without spring washer.

^ Fasten second dome nut on with spring & flat washer.

^ Remove and refasten first dome nut on with spring & flat washer



INSTALLATION OF BARRIER TO MODULES:

Fold rear seats up against front seats to expose front panel of Roller Drawers. Using a 13mm socket and ratchet remove the top and second row of 8mm bolts, spring and flat washers and place on floor for Barrier installation.

Loosen off (**loosen only**) three 'Red Dot' hand bolts on bottom of Barrier, swing bottom mounting brackets down to vertical position and retighten hand bolts. Cut off tape, remove 'Secondary Brackets' noting their orientation and retain for installation. Pass Barrier through rear door and rest on floor with 'Red Dot' hand bolts to **rear** of vehicle.

From vacant seat area lift Barrier onto Roller Drawer floor, lift up slightly and loosely fasten through centre mounting bracket into top hole of drawer frame using 8mm bolt, spring and flat washer previously removed. Loosely fasten two outside bottom brackets onto drawer frame with 'Secondary Brackets' in place as in pre assembly. Remove bolt from centre bracket and fasten 'Secondary Bracket' in place as in pre assembly. Tighten all six bolts.

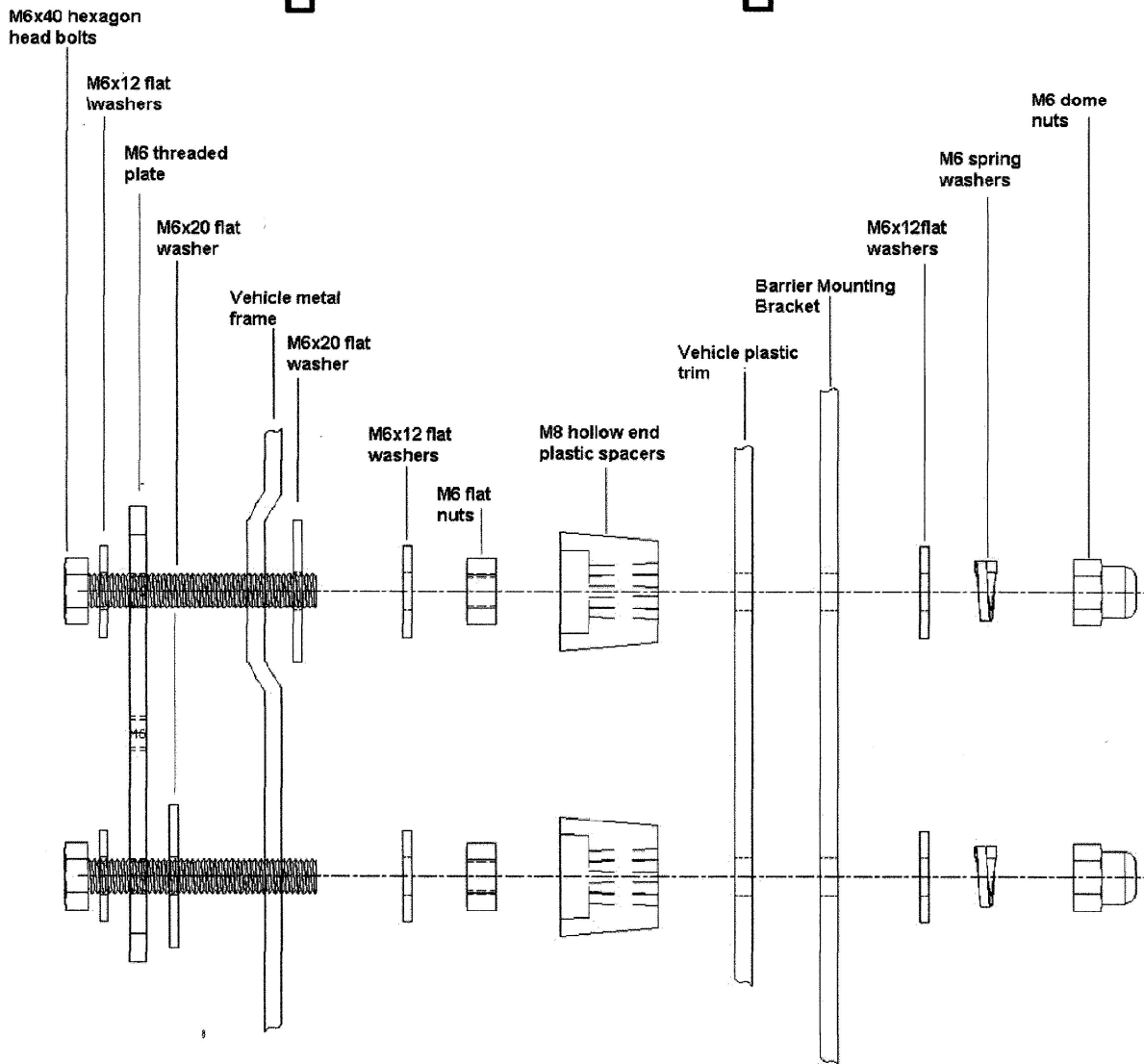
Pull barrier back, bottom brackets will move away from secondary brackets [this is normal] - secondary brackets remain straight. Attach top strap to barrier using 'red dot' hand bolts with wave washer under hand bolt, nylon washer between strap and barrier bracket.

FITTING KIT:

- 2- M6 threaded plates
- 4- M6x40 hexagon head set screws (high tensile)
- 4- M6 Dome nuts
- 4- M6 flat nuts
- 4- M6x20 flat washers
- 4- M6 spring washers
- 4- M8x20x16 "hollow end" plastic spacers
- 12- M6x1.2x16 flat washers (some spare)



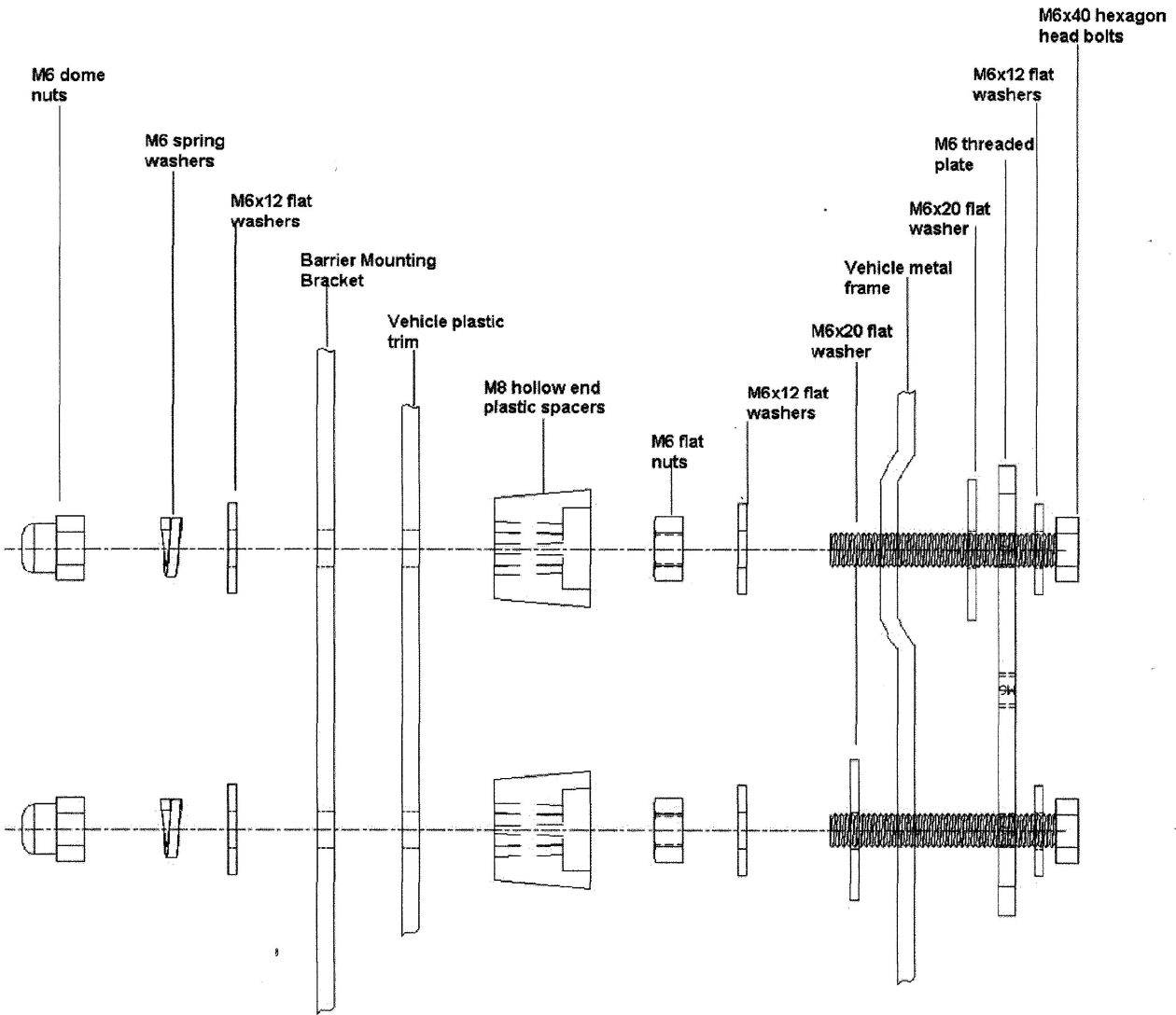
REAR OF VEHICLE



LEFT HAND SIDE OF VEHICLE



REAR OF VEHICLE



RIGHT HAND SIDE OF VEHICLE

