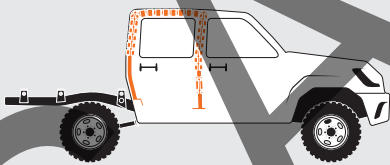
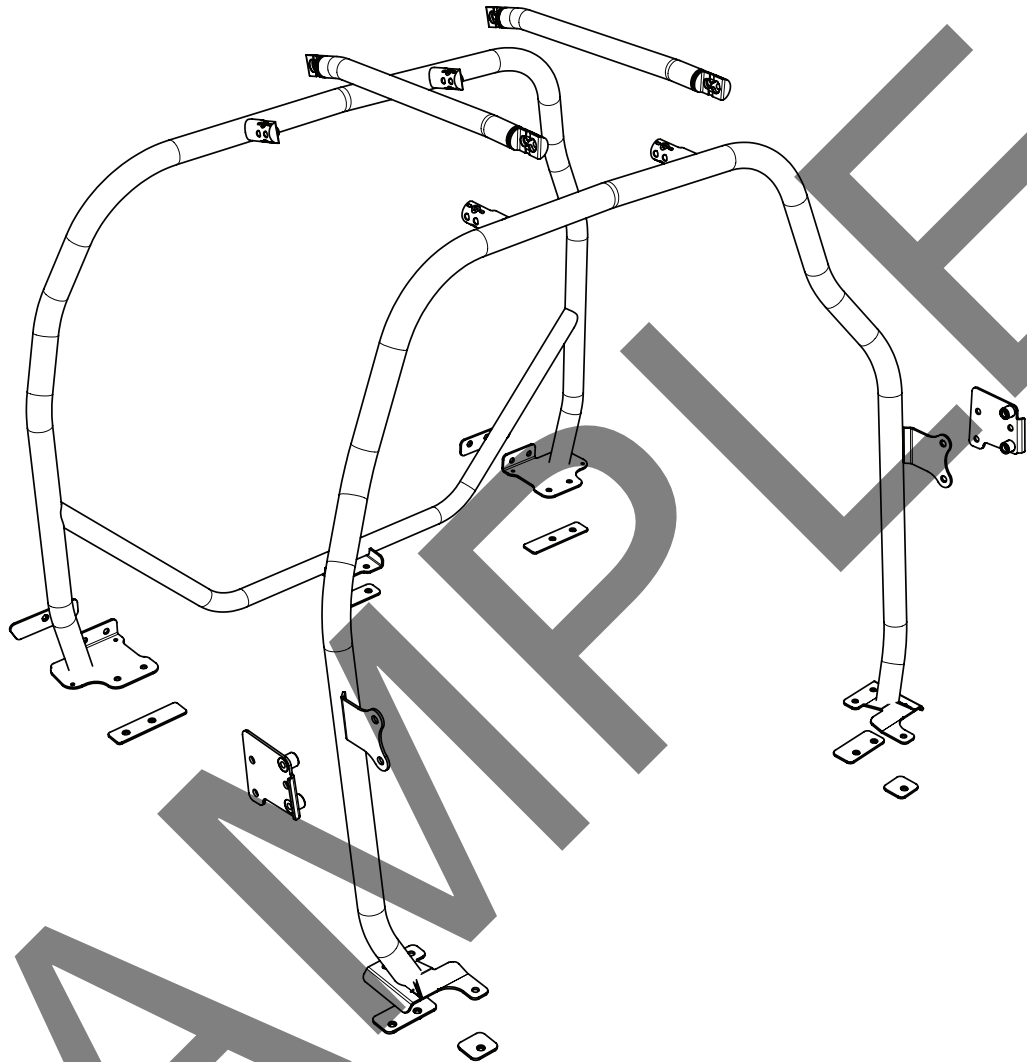


INTERNAL ROLL OVER PROTECTION: **FITTING INSTRUCTIONS**



PRODUCT OVERVIEW



GENERAL NOTES

- Read through the fitting instructions before attempting to install the ROPS assembly, failing to do so may cause damage to the vehicle or ROPS assembly.
- It is recommended that the installation be performed by a Licensed Fitter at an accredited Minecorp fitment centre.
- Dual Cab fitted with side curtain airbags.
- Fitment tested on Right hand Drive models only.
- Generic Definitions at end of document.
- Installation Checklist at end of document.
- It is recommended to use a hand ratchet spanner (not an air ratchet) to avoid stripping critical factory nuts and bolts (e.g. seat belt bolts that have to be removed then refitted into a factory threads).

FITTING TIME

4 Hours

INSTALLATION CHECKLIST

DUAL CAB FITTED WITH SIDE CURTAIN AIRBAGS

TICK

PRE INSTALLATION

	Ensure that the Product Number on the Fitting Instruction document matches that on the product's packaging.
	Verify that the VIN number of the vehicle matches the VIN number on the job card.
	Refer to the vehicle manufactures handbook for information on the vehicle's airbag configuration. Ensure that the airbag configuration of the vehicle is compatible with the airbag configuration listed on the manufacturers plate ie. Lumbar Thoracic Airbags, Side curtain Airbags etc. Note: the manufacturers plate is attached to the Rops.
	Check vehicle for Side Curtain Air Bags and if Side Curtain Air Bags are present, check the ROPS are compatible.
	Check the functionality of the vehicle electrical system.
	If the vehicle is to be road registered advise your signatory for Engineering and Compliance.
	Check that all kit contents are present – refer to the fitting instructions pack list.
	All paint work and internal trim must be protected to prevent damage during ROPS installation.
	Ensure that there is no wiring to go under the hood lining before the ROPS is installed i.e. High lights or emergency lighting.
	Check the location of wiring looms, fuel lines, brake lines, air conditioning lines ancillary products prior to beginning installation (Check under the floor and under carpet).
	Do you have all of the required tools for installation inc appropriate eye and hearing protection (PPE)?

POST INSTALLATION

	Has the ROPS been installed using the supplied fitting kit?
	Are all bolts, nuts and tube joiners appropriately tightened?
	Do all bolts have a minimum of two threads showing through the nut?
	Have all fasteners been secured to the specified torque settings?
	Have all tightened bolts had torque paint applied?
	Ensure that all the star nuts on the load guard are tightened in sequence.
	Check that wiring looms, brake lines and fuel lines are not crimped, cut or restricted by the ROPS.
	Check that other ancillary products such as fuel filler release cables work.
	Check that all rear vehicle lighting is working correctly.
	Do all seat belts work correctly? (Check no belts are stuck under seats).
	Have all cover trims, carpets and mats been refitted correctly?
	Is all padding fitted in the correct position and secured?
	Are all sharp edges removed from zip ties?
	Is the load guard/load restraint/load box present and secured appropriately? (Not present on all models – refer to kit contents).
	Are all warning decals and the Safety Cell compliance label applied to the ROPS?
	Has all local Transport Authority Compliancing been completed including any required seating reduction?

FINAL INSPECTION

	This ROPS is installed correctly as per the fitting instructions.
	Test drive the vehicle to ensure that the vehicle is fully functional and that there are no rattles or squeaks present.
	Log onto the E-Portal at minecorp.com.au and complete the E-Trace Record.

PACK LIST

DUAL CAB FITTED WITH SIDE CURTAIN AIRBAGS

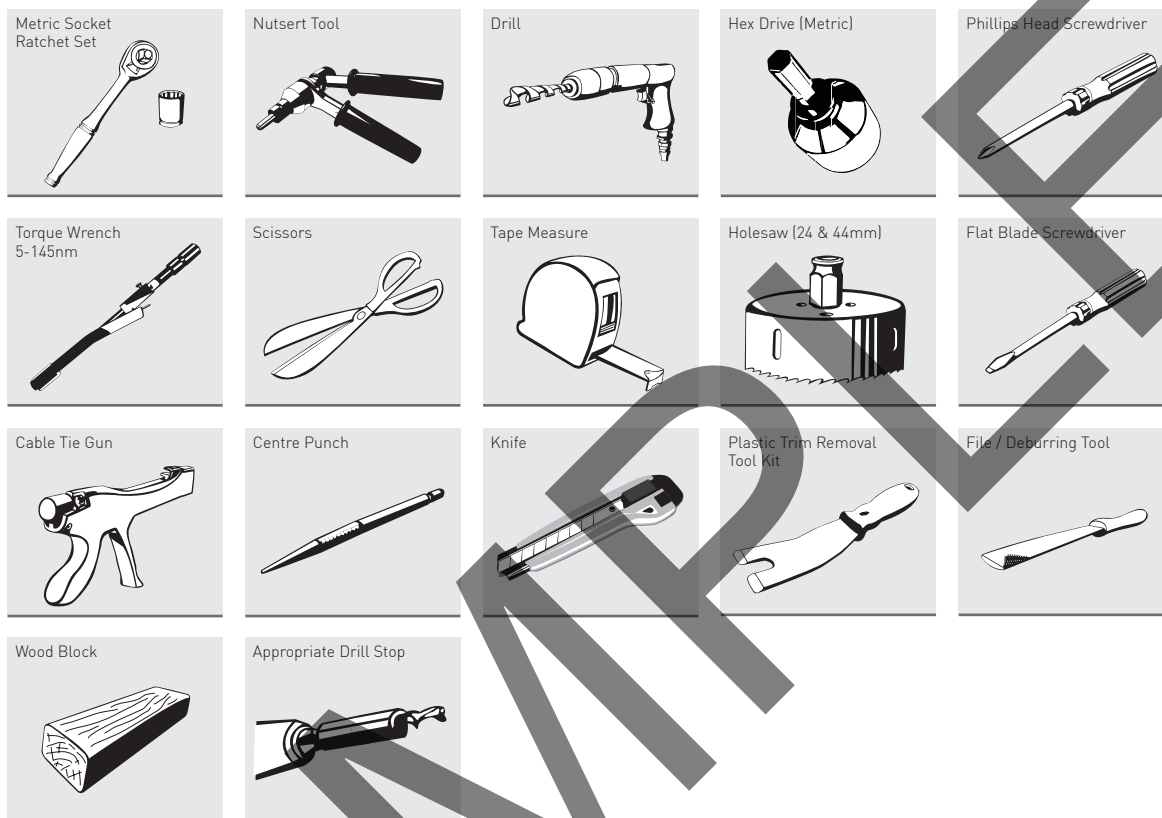
M10 x 20mm Dome Head  170-0209 x6	M10 x 25mm Dome Head  170-0023 x4	M10 x 30mm Hex Head  170-0003 x16	M10 x 30mm Socket Head Half Cap Screw  170-0233 x8	M10 Hard Flat Washer  170-0077 x26
M10 Spring Washer  170-0050 x10	M10 Shakeproof Washer  170-0302 x8	M10 Nut Insert  170-0183 x6	B-Pillar Hoop  MCP-0943 x1	C-Pillar Hoop  MCP-0942 x1
Upper B-Pillar Bracket  MCP-0931 L+R	Top Bar  MCP-0944 x2	B-Pillar Front Underside Plate  MCP-0935 x2	B-Pillar Rear Underside Plate  MCP-0936 L+R	C-Pillar Wall Plate  MCP-0938 x2
C-Pillar Rear Wall Plate  MCP-0933 MCP-0934 L+R	C-Pillar Cell Brace Underside Plate  MCP-0939 x1	340mm Low Profile Cable Tie  170-0115 x70	Safety Cell Padding  150-0050 x7	Minecorp Store Label  150-0935 x1
Installer Compliance Plate  500-0221 x1	Install Record  x1	Template: B-Pillar Vinyl/Carpet Floor Trim  TT-0129 L	Template: B-Pillar Vinyl/ Carpet Floor Trim  TT-0129 R	Template: B-Pillar Drill  TT-0129 L
Template: B-Pillar Drill  TT-0129 R	Template: B-Pillar Trim  TT-0129 L	Template: B-Pillar Trim  TT-0129 R		

PACKING CHECK OFF

SERIAL NUMBER	
PACKED BY	DATE
CHECKED BY	DATE

TOOLS REQUIRED

DUAL CAB FITTED WITH SIDE CURTAIN AIRBAGS



REQUIRED CONSUMABLES



SAFETY NOTES

- Remove key from vehicle ignition and detach negative terminal on vehicle's battery.
- Be sure to comply with your workshop safety standards while installing the Internal ROPS assembly.
- Work safely at all times and proper safety equipment (PPE) must be worn.

1

Complete the Pre-Installation Checklist at the beginning of this document.

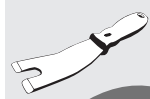
- Remove key from vehicle ignition and detach negative terminal on vehicle's battery.
- You must press the brake for at least 10 seconds to drain the residual current from the vehicle.



2

- Remove plastic door entry trims from all doors.
- Tape up doors and sills with protective tape.
- Slide front seats forward.

Plastic Trim Removal Tool Kit



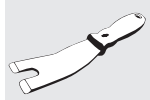
Tape



3

- Fold up rear bench seat.
- Remove plastic trim from bench seat mounting bracket.

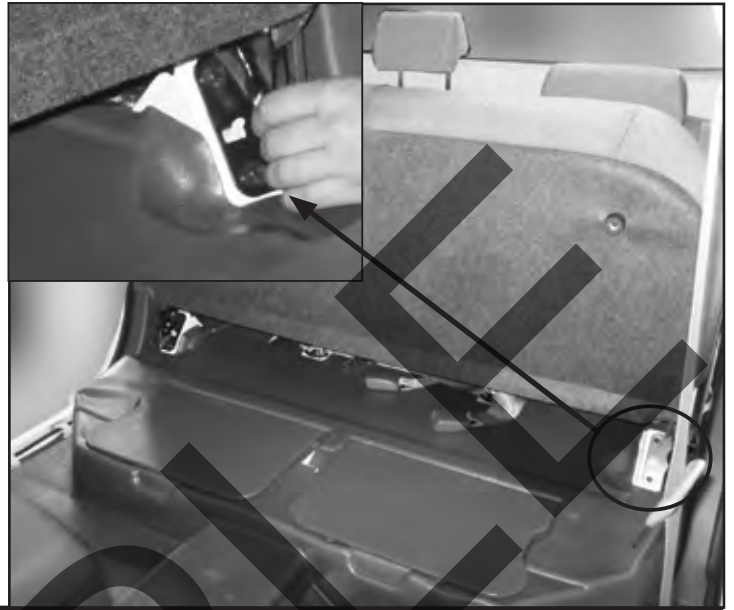
Plastic Trim Removal Tool Kit



4

- Undo rear seat mounting bolts.

Metric Socket
Ratchet Set

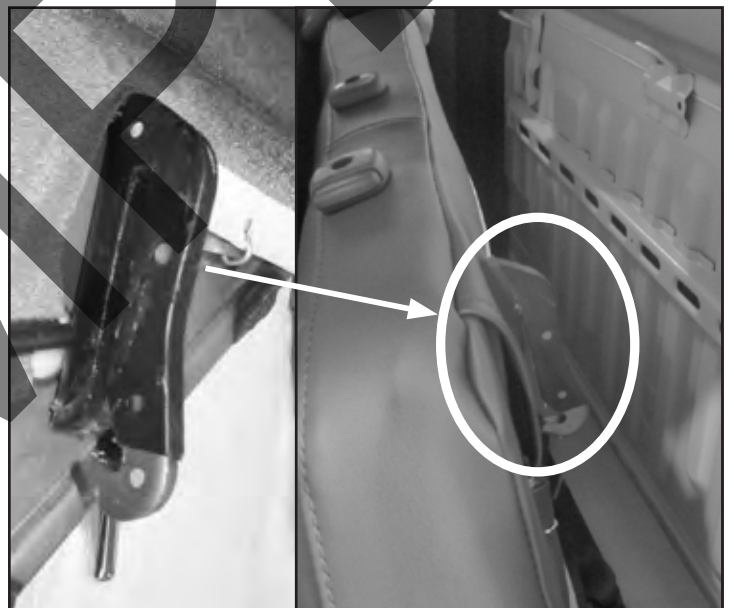


5

- Remove rear seat by lifting upwards, over the catches.



IMPORTANT NOTE:
A two person lift is
required to remove the
seat from the vehicle.



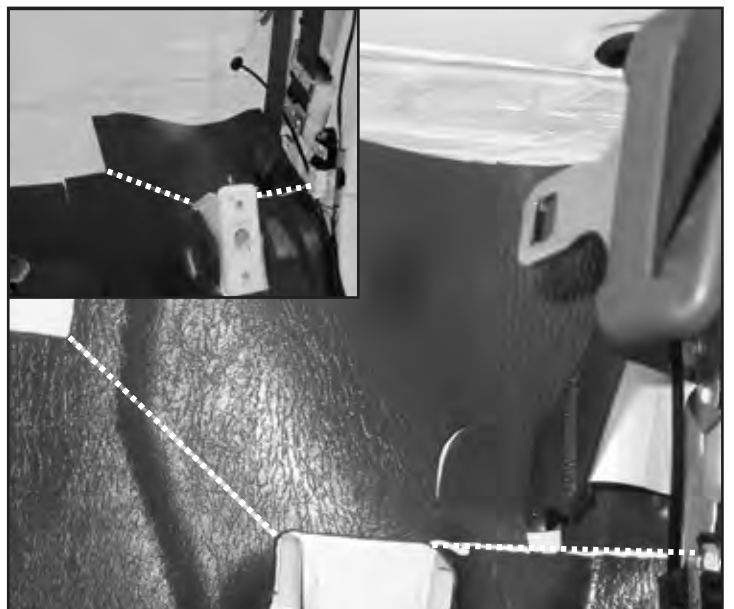
6

- Mark out the vinyl carpet as shown and carefully cut away the section of carpet.
- Repeat for opposite side.

Marker



Knife



7

- Unbolt and remove rear seat brackets.

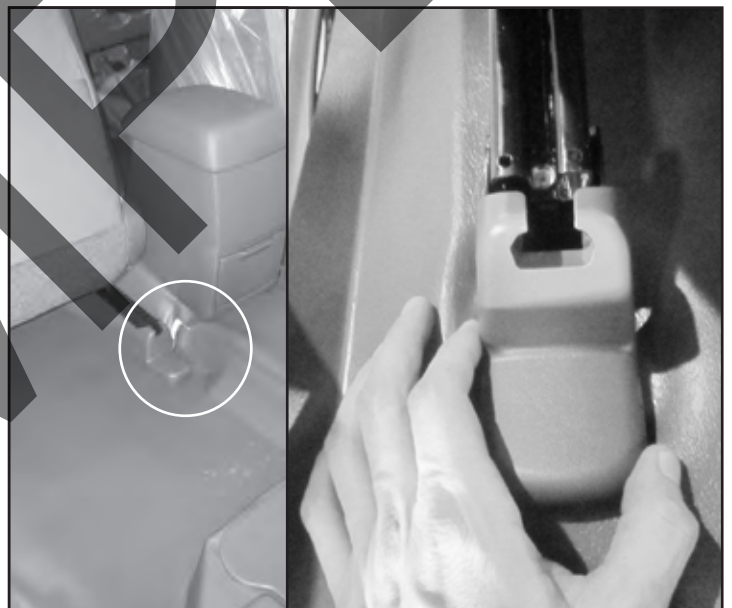
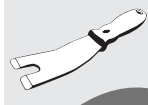
Metric Socket
Ratchet Set



8

- Remove trim from the front seat slide mechanism.

Plastic Trim
Removal Tool Kit



9

- Line up the template against the B-Pillar trim and the gap in the template around the front seat mounting bracket as shown.
- Mark out hole where the vinyl/carpet floor needs to be cut.



IMPORTANT NOTE:

Template will sit over the mounting bolt on seat slider and against the vertical part of the bracket.

Template: B-
Pillar Vinyl
Floor Trim

L



Template: B-
Pillar Vinyl
Floor Trim

R



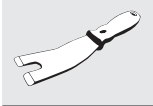
10

- Undo seat belt bolt from front seat belts.
- Remove B-Pillar trims.

Metric Socket
Ratchet Set



Plastic Trim
Removal Tool Kit



11

- Remove all parts of the front (B-Pillar) seat belt mechanisms.
- Disconnect wiring to seat belt using a small flat head screwdriver to remove clip.

Metric Socket
Ratchet Set



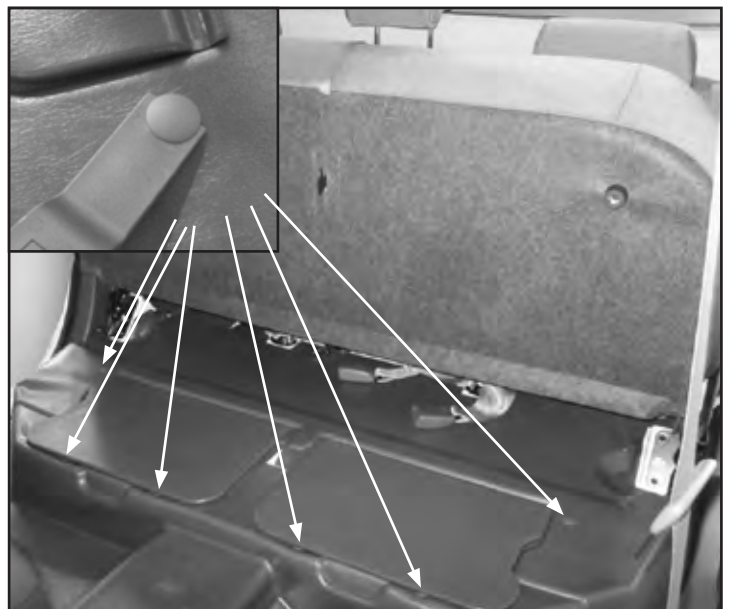
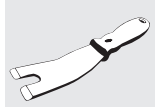
Flat Blade
Screwdriver



12

- Remove flooring clips.

Plastic Trim
Removal Tool Kit



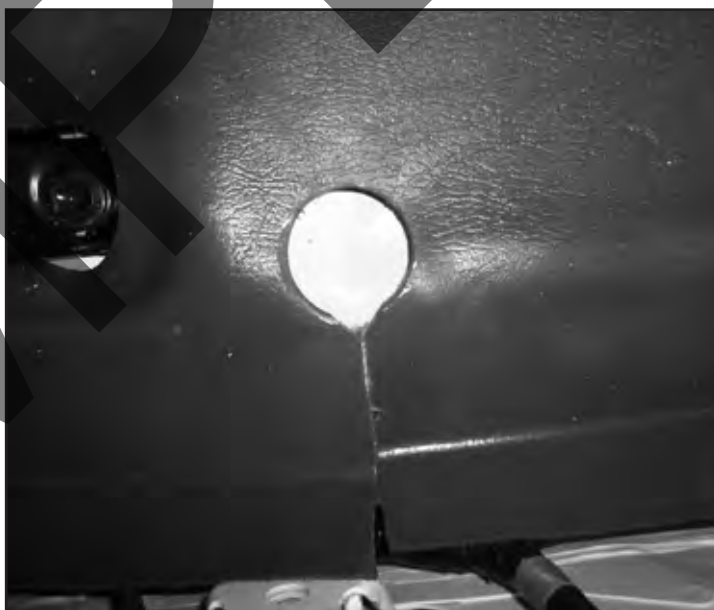
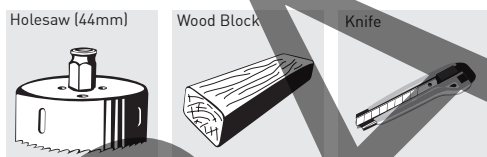
13

- Undo clips holding the vinyl/carpet flooring in place.



14

- Place a wooden block underneath the vinyl/carpet flooring and carefully cut where previously marked in step 9.



15

- Lift up flooring and secure to front seat.

