Installation Instructions

Complete fitment guide for the Vanguard range

1. SB-1800 Service Body
2. CP-1800 Modular 3-Door Canopy
3. LR-1800 Heavy-Duty Ladder Rack
4. TD-1500 Heavy-Duty Sliding Trundle Drawer
5. UB-PAIR Tapered Underbody Storage Boxes

IMPORTANT SAFETY NOTES

- Always work on a flat, level surface with wheels chocked and handbrake applied.
- Use appropriate lifting equipment (forklift/crane). These products are heavy.
- Disconnect the vehicle battery before any electrical work.
- Torque all fasteners to the values shown and re-check after 50–100 km.
- If in doubt, have the work carried out by a qualified installer or auto electrician.

Australian owned · 5-year warranty · Prices on request

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SB-1800 Service Body

Chassis-mounted fitment · Tub/tray already removed

1. Safety & Preparation

- Park on a flat, level surface. Chock front wheels and apply handbrake.
- Disconnect the negative battery terminal.
- Have a forklift or crane ready — the body is heavy.
- Tools: torque wrench, sockets, spirit level, measuring tape, medium-strength thread locker,
- cable ties, electrical connectors, multimeter.

2. Chassis Inspection

- Clean chassis rails of dirt, rust, old sealant and remaining tub debris.
- Confirm rails are straight and undamaged. Measure rail spacing at front, mid and rear.
- Secure or re-route any fuel filler, wiring or brake lines that may interfere.

3. Dry-Fit & Positioning

- Lift the SB-1800 and lower it onto the chassis rails.
- Centre side-to-side (equal overhang). Position front-to-rear for correct cab gap and rear alignment.
- Use temporary timber or rubber packing to protect the chassis while adjusting.

4. Fit Universal Slotted Mounting Kit

- Align slotted mounting plates with chassis points and body subframe.
- Insert high-tensile bolts through the slots (allows fine adjustment).
- Fit flat washers and lock nuts. Leave finger-tight only at this stage.

5. Final Alignment & Tightening

- Level the body front-to-rear and side-to-side. Confirm doors open freely and body is square to the cab.
- Tighten bolts in a cross pattern. Apply medium-strength thread locker.
- Torque all chassis mounting bolts to 110 Nm.

6. Electrical – LED Tail Lights

- Route the harness along the chassis, clear of exhaust, driveshaft and moving parts.
- Connect to the vehicle tail-light loom with waterproof connectors.
- Test tail, brake, indicator and reverse functions before final tidy-up.

7. Final Checks

- Re-check all mounting bolts after the first 50–100 km.
- Confirm doors latch correctly, seals sit evenly, and the trundle channel is clear for the TD-1500.

TORQUE SPECIFICATION
Chassis mounting bolts: 110 Nm (apply medium-strength thread locker)

CP-1800 Modular 3-Door Canopy

Tray-mounted or chassis/subframe-mounted · Two side gullwings + rear door

1. Safety & Preparation

- Park on level ground, chock wheels, handbrake on. Disconnect battery negative.
- Have lifting equipment ready. Clean the tray floor or chassis rails thoroughly.

2. Inspect Mounting Surface

- Tray mount: confirm tray is flat, square and free of major dents. Remove any sports bars or cargo systems.
- Chassis mount: same checks as SB-1800 (rails clean, straight, correct spacing).

3. Dry-Fit & Positioning

- Lower the CP-1800 onto the tray or subframe. Centre side-to-side.
- Set front-to-rear position for even cab gap and correct rear alignment.
- Confirm rear door clears the tailgate (or sits correctly if tailgate is removed).

4. Fit Universal Slotted Mounting Kit

- Align slotted brackets with canopy floor and tray/chassis points.
- Insert high-tensile bolts, washers and lock nuts. Leave finger-tight for final adjustment.

5. Final Alignment & Tightening

- Level the canopy. Confirm all three doors open and close freely without binding.
- Tighten in a cross pattern with medium-strength thread locker.
- Torque all mounting bolts to 90 Nm.

6. Jack-off Leg Receivers

- Confirm the receiver tubes are clear and accessible if using removable jack-off legs later.
- Do not load the canopy on the legs until the main mounting bolts are fully torqued.

7. Sealing & Finishing

- Check rubber seals around all three doors compress evenly when closed.
- Optional: thin bead of exterior-grade sealant along the front edge at the cab junction.

8. Final Checks

- All doors latch and seal correctly. No interference with fuel filler, exhaust or spare tyre.
- Re-check bolts after 50–100 km.

TORQUE SPECIFICATION
Mounting bolts: 90 Nm (apply medium-strength thread locker)
Note: CP-1800 does not include tail lights — vehicle lights remain standard.

LR-1800 Heavy-Duty Ladder Rack

Mounts over SB-1800 service body or CP-1800 canopy · 300 kg dynamic load rating

1. Safety & Preparation

- Two-person lift strongly recommended — the rack is long and awkward.
- Clean the top surface of the service body or canopy at the intended mounting points.

2. Confirm Fitment Surface

- Mount only into structural ribs or reinforced areas — never into unsupported sheet alone.
- Measure mounting-point spacing left-to-right and front-to-rear so the rack will sit square.

3. Dry-Fit the Rack

- Lift into position, centre side-to-side, and set front-to-rear clearance to the cab roof.
- Confirm full-length alloy tie-down rails are accessible and long loads will sit correctly.

4. Mark & Prepare Mounting Points

- Mark hole locations through the rack feet onto the body/canopy roof.
- Remove the rack, drill holes, deburr, and treat bare metal with corrosion inhibitor.

5. Fit & Align

- Reposition the rack, insert high-tensile bolts with washers (and backing plates if supplied).
- Leave finger-tight. Level across the crossbars, then tighten in a cross pattern with thread locker.

6. Load & Final Checks

- Rated capacity is 300 kg dynamic load (vehicle moving) — do not exceed.
- Confirm no interference with canopy or service-body doors when opened.
- Re-check bolt torque after the first 50–100 km and after the first loaded trip.

TD-1500 Heavy-Duty Sliding Trundle Drawer

Fits the subframe channel on the SB-1800 Service Body · 150 kg distributed load

1. Safety & Preparation

- Clean the SB-1800 subframe channel thoroughly — remove dirt, swarf and protective film.
- Tools: torque wrench, spirit level, soft mallet, silicone spray or dry lubricant.

2. Inspect Channel & Drawer

- Confirm the channel is clear, straight and undamaged.
- Check that the bearing-type slides move freely and the T-lock + keys work before installation.
- Confirm rubber weather/dust seals are intact and correctly seated.

3. Dry-Fit the Drawer

- Slide the drawer fully into the SB-1800 channel from the rear.
- Confirm smooth full-length travel with no binding or excessive side play.
- Check that the T-lock engages cleanly with the striker when the drawer is closed.

4. Secure & Align

- Fit any supplied retaining bolts, stop screws or locking pins that prevent accidental full withdrawal.
- Open and close several times. Adjust if needed, then fully tighten fasteners with thread locker.

5. Lubrication & Load Test

- Apply a light coat of dry lubricant or silicone spray to the steel tracks and roller bearings.
- Avoid heavy grease (it attracts dust). Wipe away excess.
- Place a test load (up to 150 kg distributed) and operate the drawer several times.

6. Final Checks

- Drawer runs freely, T-lock operates correctly, seals sit evenly.
- No interference with SB-1800 doors, underbody boxes or exhaust.
- Re-check retaining fasteners after 50–100 km and after first loaded use.

IMPORTANT
The TD-1500 is designed specifically for the SB-1800 channel.
Do not force it into a different body or tray without proper modification.

UB-PAIR Tapered Underbody Storage Boxes

Matching left & right pair · Mounts beneath ute tray or service-body subframe

1. Safety & Preparation

- Raise the vehicle safely on a hoist or quality jack stands. Never work under a vehicle supported only by a jack.
- Clean the underside of the tray or subframe at the mounting locations.

2. Identify Positions & Dry-Fit

- Boxes are handed (left and right) and tapered — confirm orientation before lifting.
- Position each box in the dead space under the tray/subframe, clear of exhaust, fuel tank,
- spare tyre, driveshaft and suspension. Check lids open fully without obstruction.
- Mark mounting hole locations through the flanges.

3. Drill & Prepare (if required)

- Remove boxes, drill holes to the correct size, deburr, and treat bare metal with corrosion inhibitor.
- On aluminium subframes, observe anti-dissimilar-metal practices if specified.

4. Fit & Align

- Reposition boxes, insert high-tensile bolts with flat washers (use large washers or backing plates
- on thin tray material). Leave finger-tight.
- Level both boxes to the same height. Confirm lids and whale-tail locks operate freely.
- Tighten fully with medium-strength thread locker.

5. Clearance & Function Check

- With the vehicle still raised, confirm ground clearance under the lowest point of each box.
- Check nothing fouls exhaust, fuel lines, brake lines or suspension through full travel.
- Lower the vehicle and do a final side visual check.

6. Final Checks

- Both boxes secure with no movement. Locks and seals correct. Keys accounted for.
- Re-check bolt torque after 50–100 km and after the first loaded trip.

KEY POINTS

- Always fit as a matched left/right pair for balance and appearance.
- The taper is critical for ground clearance — do not mount higher or lower than designed.
- Mount only into structural sections of the tray or subframe.

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