

## HOLDEN RODEO REAR STEP TOW BAR

No 3648030

### FITTING KIT No 6171805

3199688	1	PLATE CHECKER RODEO R\BAR 03 ON
4761110	1	SHAFT ASSEMBLY 48A RODEO BALL MOUNT
55010	1	TOWBAR PULL PIN
55020	1	SPRING CLIP
6151111	2	BOLT LIFTING EYE M20
6151161	2	NUT M20 ZP
6151040	4	BOLT M10 x 1.25 x 30 FINE THREAD
4581040	6	WASHER FLAT M10x25x3
4581048	6	WASHER SPRING M10
6151302	2	NUT M10 CAGED
6151255	4	BOLT M12x1.75x40 HX HD ZP CL8.8
4581049	14	WASHER FLAT M12
4581050	10	WASHER SPRING M12
6151189	4	NUT M12 x 1.75
6151094	6	BOLT M12 x 1.25 x 30
3199690	1	PLATE CAPTIVE NUT RODEO R/BAR
6151204	2	BOLT M10 x 1.5 x 35
6151173	2	FLANGE NUT M6
6151133	2	NUT M10 x 1.25ZP
6151281	4	SCREW PAN HEAD M5 x 12
6151282	4	NUT FLANGE M5
3756570	1	BRKT LIGHT RODEO REAR STEP
86060BL	1	LAMP LICENSE PLATE
6151200	6	BOLT CUP SQUARE M6 x 1 x 25mm
6151128	6	NUT FLANGE M6 x 1mm
4581084	6	WASHER PANEL M6 x 2.8 x 25mm
2125461	1	TOW WARNING LABEL

### TOOLS REQUIRED

Basic tool kit (metric spanners), drill and 6 & 7mm drill bits. Loctite 262 or equivalent

### PROCEDURE

1. Remove tow hook from the chassis, on the passenger's side, if present. Remove existing rear step, if present, and disconnect the cable used to power the number plate lamps. This is done by simply disconnecting the loom connector plug.
2. 2003 vehicles only: fit the M10 cage nuts into the rectangular plate provided (3199690) then slide the plate into the chassis on the driver's side. This will be used later to fasten the rear bar.  
2004 onwards vehicles: proceed to step 3.
3. Fit the aluminium checker plate top to the rear bar using the M6 x 1 x 25mm square cup bolts, panel washers and flange nuts (6 of each item). (Silicon should be used between the two surfaces to eliminate vibration.) Apply Loctite 262 to the threads of the eye bolts and then fit the two eye bolts to the rear bar using the M20 nuts.



#### 4. Number Plate Fitment

##### Vehicles Fitted with Original non ARB Rear Steps

Remove the number plate from the original rear step. If the number plate is a slim (non standard) size, use the original mounting bolts in the holes provided: as shown on the neighbouring photo.

##### Vehicles Fitted with Standard Sized Number Plates (i.e. not slim)

The number plates must be raised so it does not hit the rear step being fitted. The bottom edge of the plate should be level with the lower edge of the car panel. Use the number plate as a template and drill two new holes to fit the plate at the required height. Then bolt the plate in position using the original bolts and two new M6 flange nuts supplied in the kit.



#### 5. Number Plate Light Fitment

Remove the loom (electrical cable) from the original rear step. Ensure that the plug used to connect this loom to the vehicle's supply remains in place and cut the other end at the light fitting.

Assemble the light fittings with the loom as shown in the adjacent photograph. Ensure the black wire (the earth) is fastened to the light-housing frame. Fit the lamp cover, as shown. (Use two M5 screws and nuts)



Once the light and loom are fully assembled, two 6mm holes must be drilled into the car panel above the number plate (See photo in step 4). Use the light mount bracket as a template to locate the drilling positions. Be careful to ensure that the light is offset from the number plate so that standard sized number plate can fit behind the light.

Next, fit the bracket with the M5 screws and nuts, feed the cable neatly behind the panel and plug the loom into the vehicle supply cable.



6. Fit the M12 x 1.75 X 40 long hex bolts, flat washers, spring washers and nuts through the holes in the chassis (closest to the suspension bracket as shown) on both sides of the chassis. (2 bolts, 4 flat washers, 2 spring washers & 2 nuts)

Leave protruding loosely from the chassis as shown.



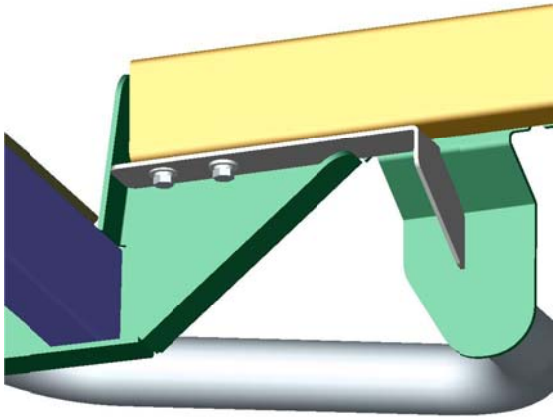
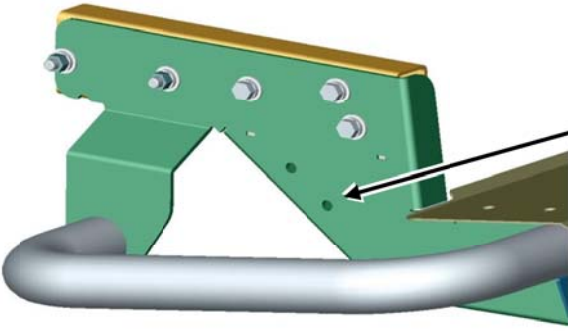

7. Guide the new rear step under the vehicle and onto the protruding M12 bolts already in position. Take care not to damage the vehicle panels.



Raise the rear step into position and loosely fasten the remaining bolts.

M12 x 1.75 x 40 hex bolts (course thread), flat washers, spring washers and nuts

M12 x 1.25 x 30 hex bolts (fine thread), flat washers and spring washers.

	<p>8. Fit lower chassis bolts as shown.</p> <p><u>2004 onwards vehicles:</u> M10 x 30 hex bolt (fine thread), M10 spring washer, M10 flat washer (2 each side of chassis).</p> <p><u>2003 vehicles:</u> Passenger side: M10 x 30 hex bolt (fine thread), M10 spring washer, M10 flat washer (2 of each). Driver's side: M10 x 35 hex bolt (course thread), M10 spring washer, M10 flat washer (2 of each). These bolts are fastened to the rectangular plate, fitted with the M10 cage nuts, which was positioned within the chassis earlier (Step 2). Tighten these bolts and then fully tighten the bolts fitted to the side of the chassis in step 5.</p>
	<p>9. Tow Hook Fitment</p> <p>If the chassis was fitted with a tow hook, it may be repositioned in the holes provided. Re-use the existing tow hook bolts in addition to the M10 flat washers, spring washers and M10 fine threaded nuts (2 of each).</p>
	<p>10. Add the tow warning label to the bar as shown.</p> <p><b><i>Note: This label must be not be removed</i></b></p>