

## INSTALLATION INSTRUCTIONS



**R1657-TO SUIT NISSAN GQ/QU PATROL LWB & SWB 12-97-ON  
PETROL MODEL 98-ON RATING 3500-350 Kg ALL PRE 98-MODELS 2800Kg  
ALL DIESELS RANGE FROM 2500Kg to 3500Kg (refer to table below for specific models)  
FORD MAVERICK 88 to 3-94 2800Kg**

**ENSURE THAT INSTRUCTIONS ARE UNDERSTOOD BEFORE INSTALLATION.**

### **Warning:**

1. Do not, drill, cut, weld or otherwise modify the towbar.
2. If you are using electric welding on a motor vehicle, **always** check that the vehicle is not equipped with electronic engine or instrument management equipment. Failure to do so could **destroy** any onboard computers. If in doubt, check with the vehicle's manufacturer.

### **General:**

1. Ensure all hardware items have been included
2. It is recommended that the instructions are read through and completely understood before making any attempt to fit this product.
3. Be wary of any changes to vehicle designs or other accessories that may conflict with the installation of this product.
4. Before drilling ensure that the area is clear of fuel, electrical & other components.
5. All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.
6. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorised **Hayman Reese** dealer if further information is required.
7. Ensure that all hardware is fastened to torque list below check fasteners on regular basis.
8. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door. **(See diagram below).**
9. Hayman Reese recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2**.
10. **PLEASE NOTE:** It is advised to remove your lug or tbm when not actually towing so as to produce a clear view of the vehicles registration plate if obscured, and to also provide maximum available departure angle.

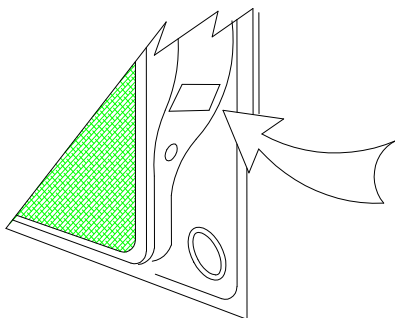
### **Tow bar Maintenance and Care.**

Hayman Reese recommends that bolt torque's, as listed below, are routinely and regularly inspected and checked for correct tension. Replace any worn or defective parts.

We recommended to remove Tow Ball Mounts (TBM's, tongues or lugs) when not being used for any considerable length of time.

So as to avoid injury, when not towing it is suggested that the tongue, Pull Pin and R-clip are removed then stored in a safe, clean and dry place, away from excessive moisture.

Hitch Pull Pins and spring "R" clips are regularly checked for proper installation. Replace any worn or defective parts.



**Place load rating sticker  
inside driver's door here**

#### **RECOMMENDED ASSEMBLY TORQUE LISTING**

<b><u>Diameter</u></b>	<b><u>Grade 8.8 Bolt</u></b>
<b>M6</b>	<b>9.5 Nm</b>
<b>M8</b>	<b>21.7 Nm</b>
<b>M10</b>	<b>43.4 Nm</b>
<b>M12</b>	<b>77.3 Nm</b>
<b>M16</b>	<b>189.8 Nm</b>

**FOR TOWING PURPOSES ONLY**  
For towing capacity details please refer to vehicle  
owner's manual or to the manufacturer. Overloading  
can void your warranties.

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1. Ensure all hardware items have been included.
2. Remove bumper bar ends or full bumper from vehicle.
3. Lift hitch into position and support with jack.
4. Align two front holes in mounting arm with existing holes in chassis and bolt loosely as per drawing.
5. Using 12mm bolts and tapped plate/wire assembly, bolt cross member brackets to existing holes in rear cross chassis rail.
6. Fit bolts, tapped plates to existing holes into rearward most holes of side arms.
7. Tighten all bolts to torque listing below.
8. Replace bumper ends or full bumper.
9. Towbar rating sticker to be conspicuously located on inside rear end of the driver's door. (See diagram above)

### Weight Capacities for GU Patrol models

VEHICLE DETAILS				VEHICLE MANUFACTURER'S LEGAL TOWING MASS (kg) MAXIMUM		
Marque	Model	Transmission	Year	NO BRAKES (kg)	WITH BRAKES (kg)	BALL MASS (kg) MAX
NISSAN	Patrol GU 2.8 t/diesel	Manual	1998-06/2000	750	2800	280
NISSAN	Patrol GU 3.0 t/diesel	Automatic	04/2000 on	750	2500	250
NISSAN	Patrol GU 3.0 t/diesel	Manual	04/2000 on	750	3200	320
NISSAN	Patrol GU 4.2 diesel or t/diesel	Manual	05/1998 on	750	3500	350
NISSAN	Patrol GU 4.5 auto	Automatic	12/1997-10/2001	750	2500	250
NISSAN	Patrol GU 4.5	Manual	12/1997-10/2001	750	3140	314
NISSAN	Patrol GU 4.8 petrol	Manual/Automatic	10/2001 on	750	3500	350

