



DISCOVERY 3/4 AND RANGE ROVER SPORT

HI-RISE TOW HITCH

INSTALLATION INSTRUCTIONS

THIS UNIT MUST BE FITTED BY A LICENSED MECHANIC OR AN AUTHORISED DISTRIBUTOR

FAILURE TO DO SO WILL VOID ANY WARRANTY ACTUAL OR IMPLIED

Congratulations on your purchase of the Mitchell Bros 4x4 hi-rise tow hitch, should you have any questions or concerns during the installation process, please don't hesitate to contact us.

| Contents: (Fig.1) | Tools required: |
|--|---------------------------------------|
| Main towbar assembly | ½" Drive breaker bar – Medium length |
| Main wedge assembly | 1 x 24mm ½" drive socket |
| 2 x M16 x 60mm Bolts <u>127Nm</u> | 1 x 24mm combination spanner |
| 2 x M16 hardened washers | 1 x Torque Wrench |
| 2 x M16 nyloc nuts | 90 Degree die grinder – Disco 4 only |
| 1 x M16 x 70mm bolt <u>127Nm</u> | Coarse die grinder bit – Disco 4 only |
| 2 x M16 hardened washer | |
| 1 x M16 nyloc nut | |
| 1 x taper lock bush | |
| 1 x steel crush tube | |

(Fig.1)



www.mitchellbros.com.au

14 Roger Street Brookvale NSW 2100
 Phone: 02 9905 4764
 Fax: 02 9905 4765
 Email: sales@mitchellbros.com.au
 ABN: 50 113 253 795

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1. Remove plastic cover from rear bar.
2. Unscrew left hand trailer wiring plug for easier access (Fig. 3)
(Fig. 3)



3. Install taper lock assembly, including crush tube. Ensure that the crush tube is fitted to male taper. Fit female to the factory recovery point from the right hand side **ENSURE THE SLOT IN THE FEMALE SIDE IS POINTING DIRECTLY UPWARDS** (Fig.4) (Next Page) and squeeze taper bush together, this will make fitting the towbar easier (Fig.5) (Next Page).
4. Discovery 4 has a slightly different recovery eyelet and the casting is not as neat as the D3 and RRS. You will need to remove excess casting material from inside the recovery eyelet. Do this in stages and keep trial fitting the bush.

DO NOT REMOVE TOO MUCH MATERIAL FROM THE RECOVERY EYELET

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(Fig.4)



(Fig.5)



5. Check for any casting imperfections or dags and install wedge into underside of chassis (Fig.6) and offer main towbar to chassis to hold wedge piece in place (Fig.7).

(Fig.6)



(Fig.7)



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6. Install M16 x 70mm bolts with M16 washer through tapered bush from the left hand side (You will need to move the trailer wiring plug out of the way) (Fig.8) and fit M16 washer and nyloc nut. **DO NOT TIGHTEN M16 NUT** at this stage.

(Fig.8)



7. Push towbar and wedge assembly hard up under chassis and ensure both components meet chassis flush, if they do, install M16 bolts with washer from underside, there is no washer for the nut side (Fig.9). You can now tighten M16 (127Nm) bolts using 24mm open ended spanner and breaker bar and socket (Fig.10).

(Fig.9) (Next Page)

(Fig.10) (Next Page)

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8. Tighten M16 (127Nm) bolt using 24mm spanners (Fig.11). Ensure M16 x 70mm nut thoroughly tightens (127Nm) (Fig.12)

(Fig.11)

(Fig.12)



9. Secure trailer wiring socket (Fig.13)

(Fig.13)



10. Re-check all bolts are tight. Tow hitch should look like this.



RE-CHECK THE TENSION OF ALL BOLTS.
PLEASE RE-CHECK ALL BOLTS AFTER FIRST TOW



mitchell bros
4x4 & more

ATTENTION

**AFTER INITIAL INSTALLATION OF YOUR
TOW HITCH
RECHECK THE TENSION OF THE TOP
BOLT AFTER THE FIRST 50KM OF
TOWING AND PERIODICALLY AFTER
OR WHEN TRAVELLING ON
CORRUGATED OR ROUGH ROADS.**

**FAILING TO ADHERE TO THESE INSTRUCTIONS WILL RESULT
IN VOIDING OF YOUR WARRANTY.**

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