

UNEK44
AUSTRALIA
OFF ROAD ACCESSORIES

SKU: FR-FB-ASM0



Fitting Instructions

Ford Ranger 11-21/Mazda BT50 11-19

Rear Bar and Tow Bar

**Australia's Best Off Road Products
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Contents

WHY UNEEK	3
IMPORTANT INFORMATION	4
COMPONENTS AND PARTS	5
STEP 1	7
STEP 2	7
STEP 3	7
STEP 4	7
STEP 5	7
STEP 6	8
STEP 7	8
STEP 8	8
STEP 9	8
STEP 10	8
STEP 11	9
STEP 12	9
STEP 13	9
STEP 14	9
STEP 15	9
FINISHED PRODUCT	10

Why Uneek

Australian Designed and Built

All our products are designed and manufactured right here in Australia, allowing us to have better lead times and better quality control than companies manufacturing overseas. By supporting us you're supporting to grow the Australian economy and our brand.

Uneek Styling

We do not design our bars to look the same across the vehicle range. We fully develop our own product to individually suit each vehicle. We take time in designing from scratch and then test all our bars to comply with all relevant ADRs and Australian Standards.

Lightweight Through Smart Engineering

Having a steel bar doesn't mean you have to add more weight than is required to the front of your vehicle. Our engineering practises ensure we have the right protection, designed the right way to ensure protection is at its maximum and weights at its minimum.

Proven Off Road

We take our products out and test them right here in the heart of our country in our Australian conditions so we know our products can withstand anything you throw at them.

Increased Approach Angles

Our bars are designed to give you the best advantage while off road, with increased approach angles means you can tackle those tough and steep angles better than you could with the original setup or other alternatives.

Warranty

Uneek 4x4 back itself as Australia's leading steel bull bar manufacturer. This is why we provide you with the best steel bar warranty in Australia - 5 years.

Important Information



PLEASE READ BEFORE INSTALLATION.

- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any component please contact Uneek 4x4 in regards to repair/replacement of components.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels or compliance plates from this product.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. Uneek 4x4 cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer.
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- Installation time: 3 hours.
- Tow points on the bar are not rated for recovery so do so at your own risk.
- This tow bar is rated to 3500kg with a max towball down load of 350kg.
- Optional rear winch cradle is designed to fit Warn Xd9000 or Runva 11xp dimensions.
- Rear parking sensors will not work with winch cradle installed.



EYE & EAR PROTECTION REQUIRED



DRILLING REQUIRED



TWO PERSON LIFT REQUIRED



TORQUE SETTING



CUTTING OR GRINDING REQUIRED

FASTENER TORQUE SETTINGS:

M6 – 9Nm (4lb ft)

M8 – 22Nm (16lb ft)

M10 – 44Nm (32lb ft)

M12 – 77Nm (57lb ft)

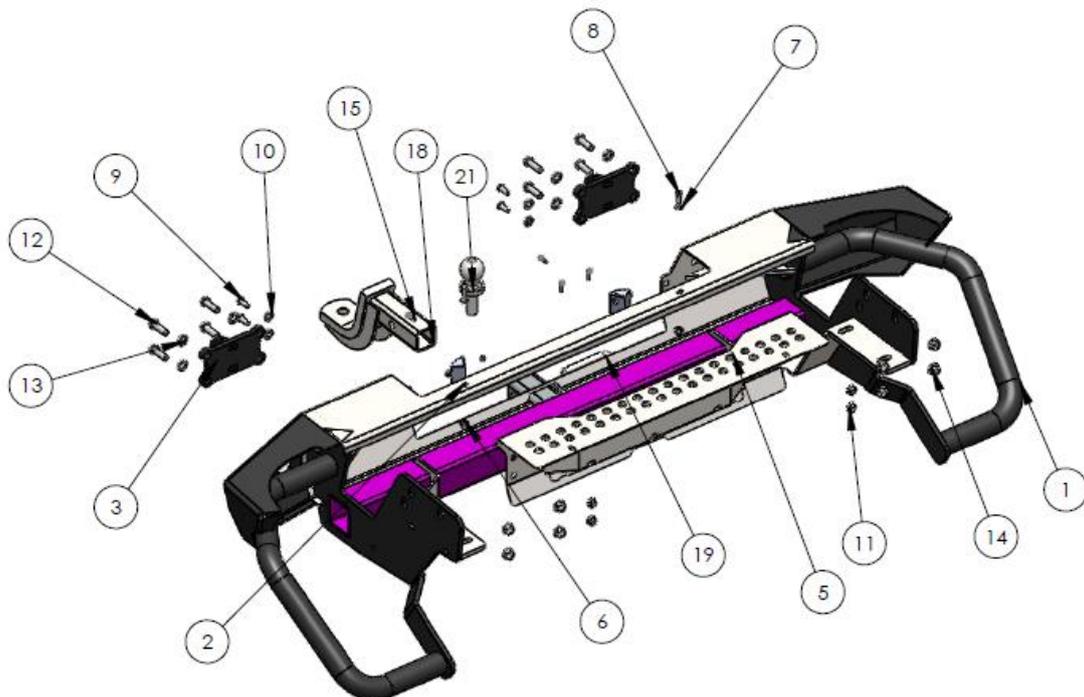
TOOLS REQUIRED:

Basic tool kit, spanners, Allen keys, socket set, soldering iron with solder, electrical tape, electrical test lamp.

Components and parts

Rear Bumper

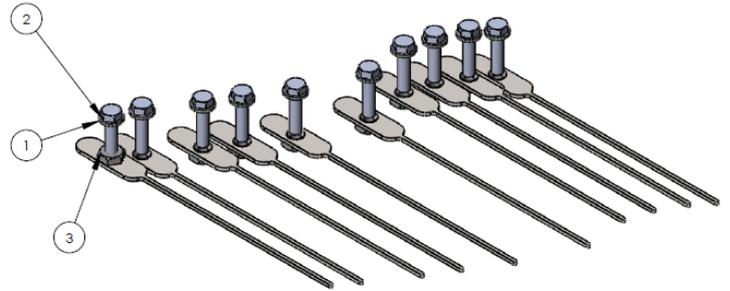
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FR-RB-11PX-ASM1	Ford Ranger rear bar	1
2	BR25B	LED NUMBER PLATE LIGHT	2
3	JG-TH-ASM	TOW HOOK ASM	2
4	U4X4-LOGO PLATE-1	LOGO PLATE-1	1
5	FR-RB-11PX-ASM2	ranger rear step	1
6	M8 FN	FLANGE NUT M8	2
7	M8 WASHER	M8 WASHER	2
8	M8X25 BHCS	M8X25 BUTTON HEAD CAP SCREW	2
9	M10X25 BHCS	M10X25 BUTTON HEAD CAP SCREW Z/P	4
10	M10 HD WASHER	M10 HD WASHER Z/P	4
11	M10 FN	M10 Flange nut	4
12	M12X40 BHCS	M12X40 BHCS	8
13	M12 HD WASHER	M12 HD WASHER	8
14	M12 X 1.75 FN	M12 FLANGE NUT	10
15	M5X15 PSCREW	M5 X 15 PH SCREW	4
16	M5 FN	M5 FLANGE NUT	4
17	M10X30	M10 X 1.5 X 30MM BOLT	1
18	Pull pin long	Pull pin long	1
19	R clip- cotter pin	R Clip	1
20	Tow Ball	Tow ball with nut ande spring washer	1
21	TBM-001	Trailer ball Mount	1



Components and parts

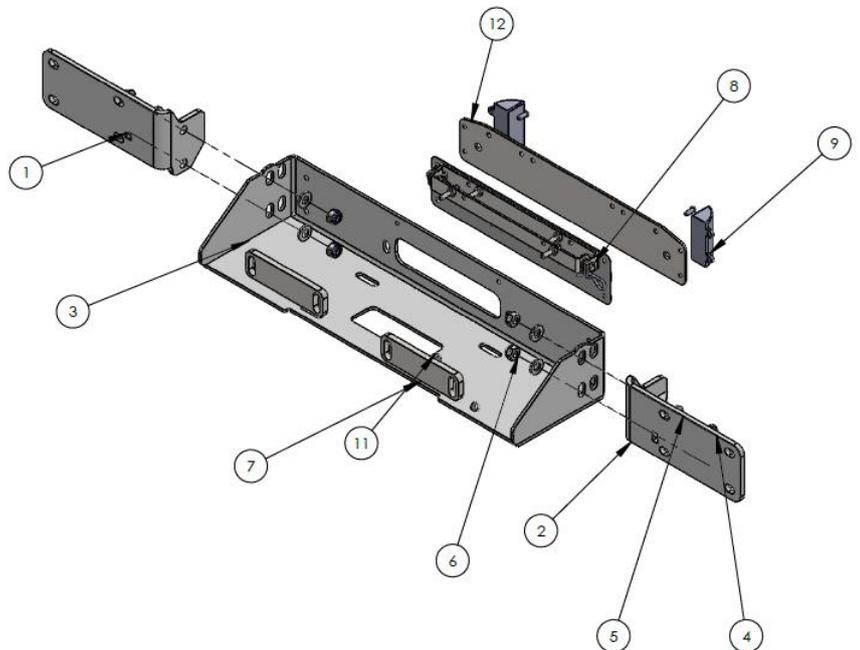
Extra bolt kit if no existing tow bar on

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	M12 HD WASHER	M12 HD WASHER	10
2	M12X40X1.75	M12 X 50 X 1.75 BOLT	10
3	04-0252	NUT PLATE ASSY M12 RECOVERY	10



Optional Rear Winch Mount

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JK-RB-B-ASM2	WINCH CRADEL SUPT BRKT	1
2	JK-RB-B-ASM2R	WINCH CRADEL SUPT BRKT RH	1
3	JK-RB-B-7	WINCH MOUNT	1
4	M12-1.75 x 40	M12x40-8.8 HEX BOLT Z/P	4
5	M12 HD WASHER	M12 HD WASHER	8
6	M12 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO	4
7	04-0437	SPACER RANGER REAR WINCH MOUNT	2
8	NP-F-ASM0	Number plate flip asm	1
9	BR25B	LED NUMBER PLATE LIGHT	2
10	M6 x 16 BHCS	M6 X 16 BHCS	2
11	M6 FN	FLANE NUT M6	3
12	NP-F-4	ranger rear number plate bracket	1



Step 1

If OEM Ford tow bar is fitted you will need to remove this and the rear bumper. Start with removing the wiring harness and unclipping from near the chassis.



Step 2

Keep this as you will be reusing it. If no factory tow bar is fitted Uneek can supply this harness as an optional extra.



Step 3

Remove the factory tow bar and bumper with 12 bolts holding tow bar on and 4 holding bumper to tow bar. Keep all bolts that held factory tow bar on to chassis as these will be reused.



Step 4

If rear parking sensors are fitted unplug the main harness on the LHS of the vehicle, as well as unplug each sensor. Pay close attention to the orientation of each sensor and which sensor goes whereas you will need to put them back in the same way of the new bumper.



Step 5

Remove the parking sensor housings if fitted. These unclip from the inside, then one side separates forward and one rearward.



Step 6

If no rear winch is fitted you will now assemble the step in the bar using M10 button head cap screws in the front and M8 on the top. If fitting a rear winch you can skip to step 9 now.



Step 7

Fit tow hooks with M12 button head cap screws washers and flange nuts.



Step 8

Fit new reverse lights on to the step. Wire in some electrical connectors so you can plug them into the factory circuit for the rear number plate light. Fit number plate with supplied M5 hardware.



Step 9

Refit parking sensor housings into the rear bar. Ensure they clip in.



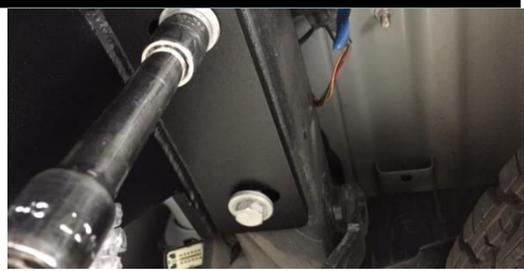
Step 10

With the help of a jack, or a friend lift the bar up to the chassis and use factory bolts to secure new bar to chassis. If you did not have a tow bar initially use supplied extra bolt kit with nut plates to secure bar to chassis. If bar appears too wide or too narrow loosen off body mount bolts and chassis will spring in to correct position, then re-torque.



Step 11

Torque up all bolts.



Step 12

Refit harness with supplied M5 hardware.



Step 13

Fit new trailer ball mount and ball with pull pin.



Step 14

If fitting a rear winch, fit winch and fairlead to cradle first and torque all bolts.



Step 15

You will need to put supplied spacers between bar and chassis to lower the rear bar so winch clears Ford Badge. Then, lift cradle up on to rear bar and secure tow points over winch cradle mounts with M12 hardware. Open tailgate to ensure clearance to winch. Torque up bolts. Fit rear number plate on a flip supplied by Uneek. Wire winch controller in tub or under tub to winch.



Finished Product



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