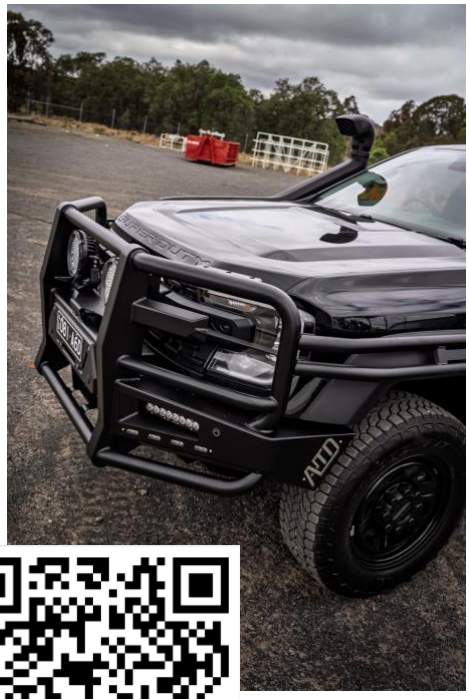
ATD CUSTOMS PTY LIMITED

FORD RANGER SUPER DUTY

CONTENDER BULL BAR

AND SIDE RAILS FITTING CHECKLIST



ABOUT THIS CHECKLIST

This checklist is intended to be used in conjunction with the ATD Customs Contender Bull Bar installation instructions video, which provides the step-by-step guide for fitting the Contender Bull Bar and side rails.

Read through the complete checklist and watch the fitting video before starting installation, then watch it again while you're installing. Tick each step as it is completed.

FITTING VIDEO

Watch the step-by-step fitting video alongside this checklist.
YouTube search: **ATD Customs Contender Bull Bar Fitting Instructions**
Web page: https://www.atdcustoms.com.au/fit/fsd

IMPORTANT INSTALLATION NOTES & WARNINGS

- **When installed in accordance with the supplied fitting instructions, this frontal protection system will not interfere with the operation of the SRS airbag system.**
- This frontal protection system is deemed to be airbag compatible for a 2025+ Ford Ranger Super Duty. The supplied ATD Customs bull bar met the structural integrity requirements during and after the impact of the ADR 69 test velocity of 48km/h for a 2025+ Ford Ranger Super Duty. The official report number 32622, referencing test number 32622-01 for Airbag Compatibility and test number 32622-02 for Structural Compatibility, identifies the samples, the test documents, and the test facility (report available on request). Conformances to the requirement are indicated in the reports.
- Install this product only on the vehicle model specified and use the supplied hardware and intended mounting points.
- This product or its fixing must not be modified in any way.
- If any bull bar, mounting or impact-management component is damaged, do not attempt structural repairs or modifications. Contact ATD Customs for advice.
- Keep the vehicle ignition OFF while factory sensors, radar, camera or associated safety-technology components are disconnected or being relocated.
- During installation, the installer is responsible for checking correct fit, clearance, routing and operation of all components, wiring, sensors, radar and camera.
- Installation may require specialised tools and techniques and should be carried out by a competent person. Work safely and use appropriate personal protective equipment.
- Tighten fasteners to the torque values specified in this checklist. Do not substitute hardware unless approved by ATD Customs.
- After 1,000 km, check all fixings to ensure they are tight. Re-check at every 10,000 km service interval and after any impact to the bull bar.
- The compliance sticker must remain affixed to the bull bar.

Preparing vehicle for bull bar

Use with the ATD Customs fitting instructions video. Tick each step when complete.

Step	Timestamp	Instruction	✓
1	00:00	Check parking sensor and camera operation.	☐
2	00:17	Remove **NEGATIVE** battery terminal (10mm socket).	☐
3	00:33	Remove number plate.	☐
4	00:41	Remove radiator top cover and set aside for re-fitting later – 13 plastic screw clips.	☐
5	01:05	Remove plastic bumper centre – 11 plastic clips.	☐
6	01:43	Remove front grille and set aside for re-fitting later – 5 bolts (8mm socket).	☐
7	02:14	Unplug main bumper harness, camera and camera washer line, and unclip from main body.	☐
8	03:23	Remove main bumper – 8 bolts (15mm socket).	☐
9	03:46	Remove genuine bash plate and set aside for re-fitting later – 4 bolts (15mm socket).	☐
10	04:07	Remove plastic intercooler shroud – 4 bolts (8mm ratchet spanner). *Trim only if fitting RUNVA 11XP Winch.	☐
11	04:59	Remove recovery side bolt – 1 LHS and 1 RHS and discard (18mm socket).	☐
12	05:17	Remove and discard captive nut holders using a coal chisel – 1 LHS and 1 RHS.	☐
13	05:37	Remove main bumper captive nut bracket – 1 LHS and 1 RHS.	☐
14	06:01	Install **ATD CHASSIS BRACING** using **1-FSD-BK**. (a) Install all bolts loosely. (b) Clamp using supplied line-up bolts at the bottom and a clamp at the top. (c) Tighten all bolts to **90 NM**. (d) Inspect bolt clearance between the intercooler and M12x1.5x130 bolt. (e) Repeat on opposite side. (f) Discard line-up bolts.	☐
15	10:03	Re-install plastic intercooler shroud – 4 bolts (8mm ratchet spanner),	☐
16	10:28	Install **DEUTSCH PLUGS** using **2-FSD-BK**. 2 pin: – Pin 1 YELLOW – Pin 2 BLACK with yellow strip 3 pin: – Pin A GREEN with brown strip – Pin B LIGHT PURPLE with green strip – Pin C BLUE with brown strip	☐
17	13:02	Remove battery holder and set aside for re-fitting later – 2 bolts and 1 nut (13mm socket).	☐
18	13:14	Install ATD Customs engine bay wiring loom and secure with zip ties.	☐
19	18:46	Install ATD Customs indicator wiring loom and secure with zip ties.	☐

Bull bar assembly

Use with the ATD Customs fitting instructions video. Tick each step when complete.

Step	Timestamp	Instruction	✓
20	21:33	Remove plastic bumper genuine centre parking sensor harness. (a) Unclip parking sensors. (b) Cut zip ties and trim off retaining clips. (c) Set aside for re-fitting later. (d) Remove sensor retainers and install into bull bar in the same position and rotation. (e) Discard plastic bumper centre.	☐
21	23:17	Remove main bumper genuine safety tech harness. (a) Apply tape to front camera to avoid scratching. (b) Unclip parking sensors. (c) Unclip fog lights. (d) Undo radar bolts and set aside to reuse for installation – 3 bolts (10mm ratchet spanner) (*Avoid dropping or knocking radar). (e) Undo camera bolts and set aside to reuse for installation – 2 bolts (10mm ratchet spanner). (f) Remove harness. (g) Remove sensor retainers and install into the bull bar in the same position and rotation. (h) Trim retaining clips from the tee onwards. (i) Electrical tape fog light tails to the harness.	☐
22	29:03	Install **ATD INTERCOOLER VENTS** using **4-FSD-BK** and tighten.	☐
23	29:55	Bolt camera into the bull bar using original bolts and tighten.	☐
24	30:31	If installing a RUNVA 11XP winch: (a) Bolt in the control box using 6 M5 flange bolts in **WINCH bolt kit 5-FSD-BK** and tighten. (b) Connect 2 earths to winch and tighten. (c) Bolt in winch and tighten. (d) Feed winch main power and earth cables through LHS bull bar cable hole. (e) Connect blue, yellow and red winch cables and tighten.	☐
25	35:58	Install genuine centre parking sensor harness.	☐
26	36:33	Feed main bumper genuine safety tech harness through LHS bull bar cable hole.	☐
27	37:38	Plug together centre parking sensor harness and main bumper genuine safety tech harness, and clip in LHS and RHS outer parking sensors.	☐
28	38:16	Bolt radar in using original bolts and **RADAR NUTS** in bolt kit **6-FSD-BK** and tighten.	☐
29	39:24	If installing spotlights, bolt them on now. Before plugging them in, check plug type and termination as they are terminated for: STEDI Type-X™ Pro Plus 8.5" with DRL RED = MAIN + 12V Power BLACK = EARTH PURPLE = DRL + 12V Power	☐
30	39:37	Install ATD bull bar harness and plug in indicators, lightbars and spotlights.	☐
31	41:55	Secure all wiring with zip ties.	☐

Install bull bar to vehicle

Use with the ATD Customs fitting instructions video. Tick each step when complete.

Step	Timestamp	Instruction	✓
32	43:56	Lift bull bar to front of vehicle.	☐
33	44:50	Loosely install all **BULL BAR MAIN BOLTS** in bolt kit **7-FSD-BK**. Then tighten all bolts to **110 NM**.	☐
34	45:30	Connect all plugs together above the radiator. Then cable tie the harnesses together near LHS headlight.	☐
35	47:14	If installing a RUNVA 11XP winch: (a) Feed winch main power cable and attach to winch isolator. (b) Connect the opposite end of the winch isolator to battery. (c) Feed winch earth wire and secure to vehicle body earth. (d) Secure cables with zip ties.	☐
36	50:42	Re-install the battery holder.	☐
37	51:15	Re-attach NEGATIVE battery terminal.	☐
38	51:28	Start vehicle and test the operations: (a) LHS and RHS indicators. (b) DRL if applicable – Switch AUX 1. (c) Main spotlights – Switch AUX 5 with vehicle high beam activated. (d) Lightbars – Switch AUX 6 with vehicle high beam activated. (e) Front camera. (f) If installing a RUNVA 11XP winch, check operation and attach hook. *If a problem occurs, check all electrical connections and try again. *If problem persists, a qualified auto electrician will need to be contacted to fault find. Shut down vehicle once complete.	☐
39	53:25	Re-install front grille.	☐
40	54:16	Re-install radiator top cover.	☐
41	54:46	Re-install genuine bash plate.	☐
42	55:21	Remove 4 bolts from bottom of bar and install ATD bash plate. Then tighten all bolts to **90 NM**.	☐
43	56:09	Check front face of radar is perpendicular to level ground / pointing straight out.	☐
44	57:13	Re-install number plate. *Must be slimline version if installing RUNVA 11XP winch.	☐
45	57:41	Check parking sensor operation.	☐

If you're not fitting side rails, skip to step 51.

Install side rails (optional)

Use with the ATD Customs fitting instructions video. Tick each step when complete.

Step	Timestamp	Instruction	✓
46	58:21	Remove genuine side steps from vehicle – 6 bolts per side (13mm socket). Re-install 6 bolts per side and tighten. Discard genuine steps.	☐
47	58:49	Install **FRONT SIDE RAIL MOUNTS TO CHASSIS** using bolt kit **8-FSD-BK**. Then tighten all bolts to **125 NM**. Cable tie harness to top of front side rail mounts on both sides.	☐
48	1:01:01	Install **REAR SIDE RAIL MOUNTS TO CHASSIS** using bolt kit **9-FSD-BK**; don't tighten, leave just loose enough to be able to slightly move forwards and backwards.	☐
49	1:03:46	Sit side rail in place and attach the **FRONT SIDE RAIL TO BULL BAR** using bolt kit **10-FSD-BK** leaving approximately 1mm gap between end of side rail and bull bar pipe hoop. Tighten all bolts to **70 NM**.	☐
50	1:05:20	Bolt **SIDE RAIL TO MOUNTS** using bolt kit **11-FSD-BK** in the below sequence: (a) Install required number of spacers in the front mount and loosely tighten bolts. (b) Install remaining spacers (if there is one) at the rear mound and loosely tighten bolts. (c) Check for uniform spacing between the side rail and the cab. (d) Tighten the side rail to the front mounts to **60 NM**. (e) Tighten the rear side rail mount to the chassis to **120 NM** for the 4 bolts into the chassis and **90 NM** for the 2 bolts with nyloc nuts. (f) Re-check uniform spacing between the side rail and the cab prior to tensioning the rear of the side rail to the mount, move if required, then tighten to **60 NM**. (g) Re-tension where the side rails attach to the bull bar **70 NM**.	☐
51	1:10:17	Congratulations, you can now sit down and drink your beer while admiring your ATD bull bar.	☐
52	1:10:27	Repeat step 51 until satisfied.	☐

FITMENT DETAILS	
Date fitted	
Company name (if applicable)	
Fitter name	
Signature	

Upon completing this checklist, sign it, fold it up and put it in the vehicle's owner's manual.