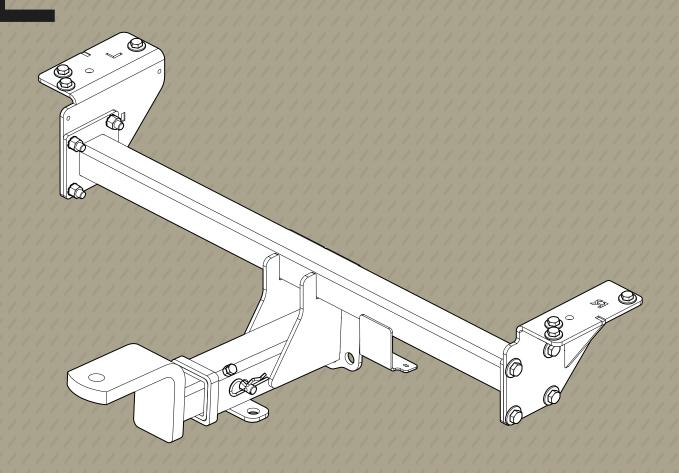




FITTING INSTRUCTIONS

BYD— ATTO 3 P/N—BYD1G2 CONTROLLED

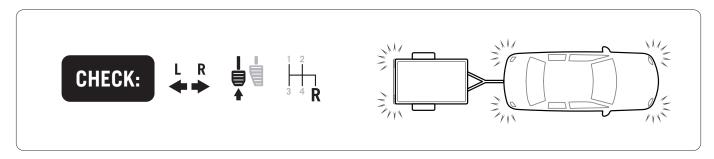


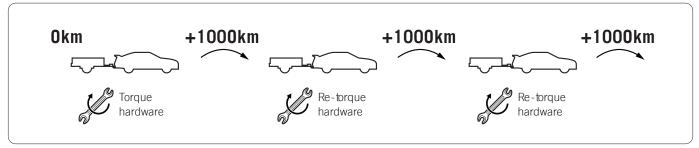
CONTENTS

- 2 IMPORTANT INFORMATION
- 4 PARTS LIST
- 5 VEHICLE PREPARATION
- **6 TOWBAR INSTALLATION**
- 10 WIRING STEPS
- 14 FINALISE FITMENT
- 14 TOWBALL USAGE

IMPORTANT INFORMATION

- CHECK THE MAXIMUM TOWING CAPACITY OF YOUR VEHICLE AS STATED BY THE VEHICLE MANUFACTURER.
- DO NOT EXCEED THE MAXIMUM TOWING CAPACITY OF YOUR VEHICLE OR OF THIS TOWBAR. COMPLY WITH THE LOWEST OF THESE TWO VALUES.
- THIS PRODUCT IS FOR TOWING PURPOSES ONLY AND MUST ONLY BE LOADED AS STATED IN YOUR VEHICLE OWNER'S MANUAL.







GENERAL:

- Read these instructions thoroughly and check all components are correct before installation.
- These instructions must be followed for warranty to be upheld.
- Check that the towbar is suitable for the vehicle and be wary of any aftermarket changes to the vehicle design that may conflict with the fitting of this towbar. (Tray, Canopy, Suspension etc.)
- Load ratings specified are under the assumption that your trailer has suitable braking systems for its weight.
- After installation is completed, store these instructions in the vehicle's glovebox with vehicle's manual.
- When towing a load behind your vehicle, the handling characteristics of your vehicle will be affected.
 Be cautious when cornering, braking and accelerating, especially when towing wind-resistant loads, and when travelling in off-road conditions.

WARNING:

- Always inspect towbar and towbar accessories before use.
- Do not use towbar if any signs of damage, rust corrosion or fractures are present.
- Do not alter or modify this towbar in any way.
- Do not install / use towbar if there is any damage near the towbar mounting area, or if your vehicle is involved in a collision.
- If vehicle drilling is required, check behind chassis rail and body panels before drilling to ensure no hazards are present. After drilling, remove swarf and treat exposed metal with a rust inhibitor.
- Ensure that your vehicle is on level ground and securely parked before beginning installation / maintenance work.
- Always wear appropriate protective gear before beginning installation / maintenance work.









TOWBAR MAINTENANCE AND CARE:

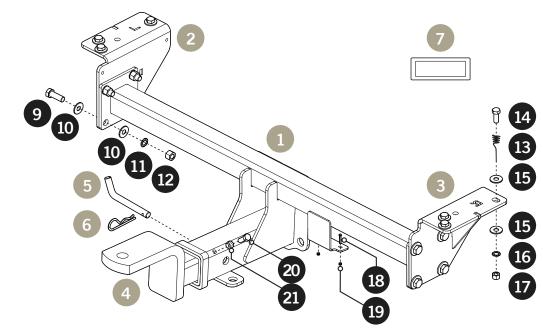
- Regularly inspect all bolted connections, ensuring they are torqued to the specifications below and are in good condition.
- Clean tow ball and hitch with brake cleaner to avoid abrasion.
- When not in use, store the Tow Ball Mount assembly and CLASS 4 Pin and Clip inside the car away from moisture.
- Before driving with a trailer, attach the trailer to the towbar and check that all electrical wiring is fully functional.

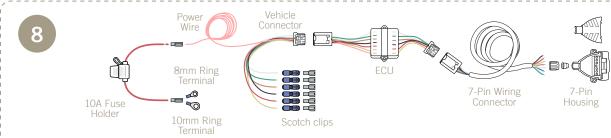


TIGHTEN BOLTED CONNECTIONS TO THE FOLLOWING TORQUE SETTINGS, UNLESS OTHERWISE SPECIFIED IN INSTRUCTION STEPS:

These fitting instructions are the property of Carasel Pty. Ltd. and may not be altered for any other purpose than intended.

PARTS LIST





#	PART	QTY
1	CROSS-BEAM	x1
2	LEFT SIDE BRACKET	x1
3	RIGHT SIDE BRACKET	x1
4	TOWBAR HITCH	x1
5	PIN	x1
6	R-CLIP	x1
7	LOAD RATING STICKER	x1
8	TOWBAR BYPASS KIT	x1

TOOLS			
REQUIRED			
120			



- 10.5mm Drill Bit
- Power Drill
- Cold Gal Paint
- 19mm Socket Wrench
- 17mm Socket Wrench
- Torque Wrench
- Marker
- Trim removal tool
- Soldering Iron

HARDWARE

#

9	M12 x 35mm x 1.25p BOLT
	MIOFIATWACHED

(7 meters) - Split Wire Loom (5 meters)

- Electrical Wire 1.5mm

- Electrical Tape

- Zip ties x5

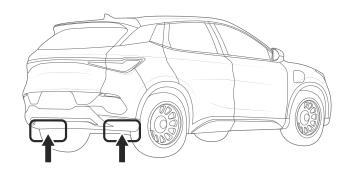
9	M12 x 35mm x 1.25p BOLT	х8	
10	M12 FLAT WASHER	x16	<u></u>
11	M12 TOOTHED WASHER	x8	
12	M12 x 1.25p NUT	x8	9
13	SPRING FISHING WIRE	x1	M.—
14	M10 x 17mm x 1.25p BOLT	х6	
15	M10 FLAT WASHER	x12	0
16	M10 TOOTHED WASHER	х6	
17	M10 x 1.25p NUT	х6	9
18	M4 x 20mm BOLT	x2	©
19	M4 x HEX NUT	x2	8
20	3/8" ANTI RATTLE BOLT	x 1	(
21	3/8" NUT	x1	9

QTY



VEHICLE PREPARATION

STEP 01



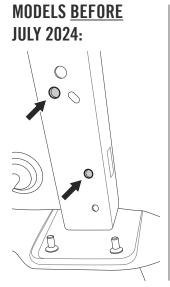
A. Drill out 2 holes in the vehicle chassis to remove the body sound deadener.

10.5mm

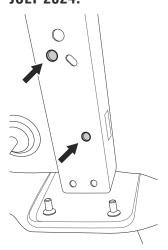
Drill Bit

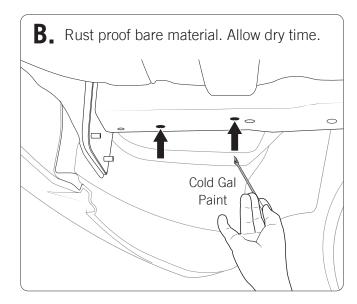
Power Drill

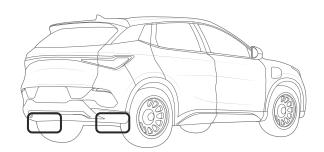
Note location of holes:

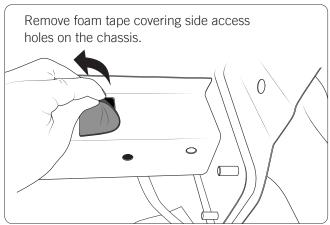


MODELS <u>AFTER</u> JULY 2024:





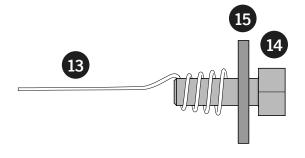




TOWBAR INSTALLATION

STEP 03

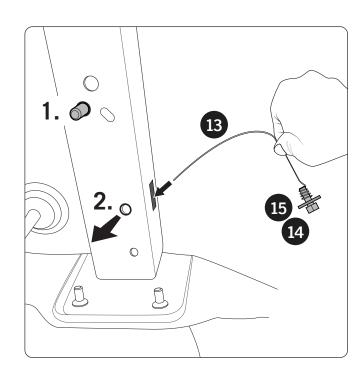
A. Thread Spring Wire onto x1 M10 BOLT with M10 FLAT WASHER.



B. Insert wired bolts into previously drilled holes.

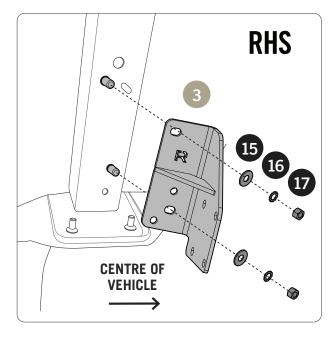
Once bolt is in place, unscrew the spring wire leaving the bolt and washer in place.

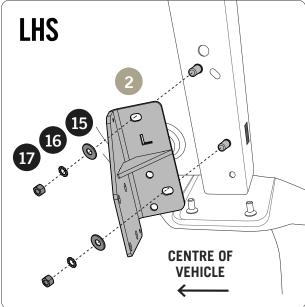
Reuse spring wire so there are **x2 bolts per vehicle side.**

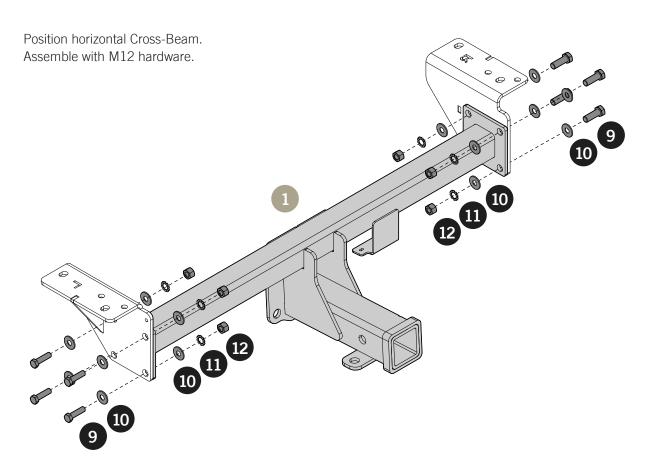




Assemble side brackets over the bolts and finger tighten with **x2 sets of M10 hardware.**





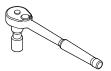


Tighten all hardware so that Cross-Beam and Side brackets sit correctly in place on the vehicle chassis.

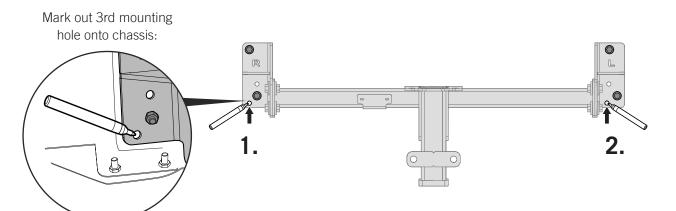
Ensure Cross-Beam is centred.

M12: (19mm Socket Wrench

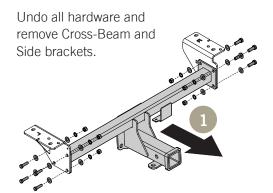
M10: 17mm Socket Wrench

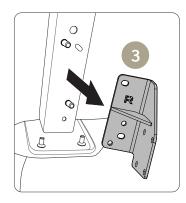


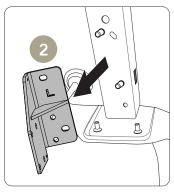
STEP 07

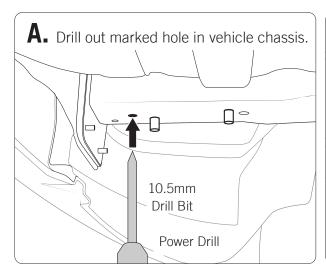


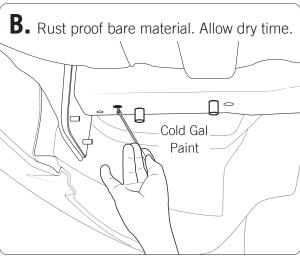
STEP 08





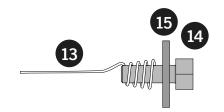


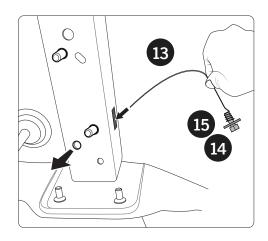






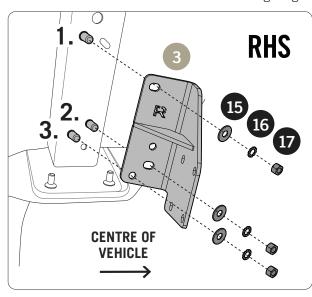
Reuse spring wire to insert **3rd bolt onto each vehicle side.**

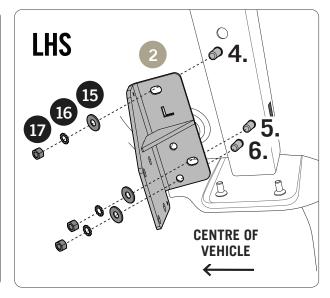


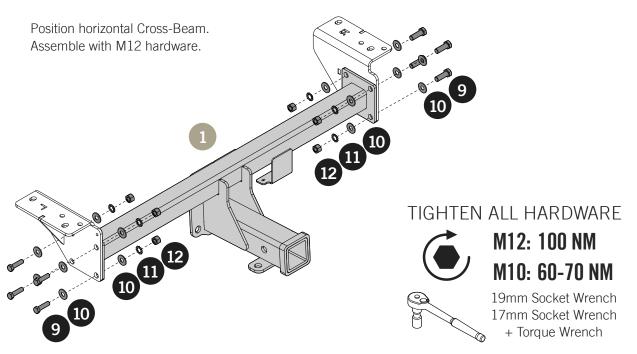


STEP 11

Assemble side brackets over the bolts and finger tighten with x3 sets of M10 hardware.

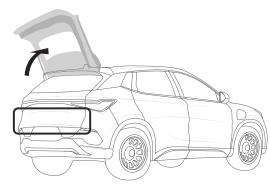


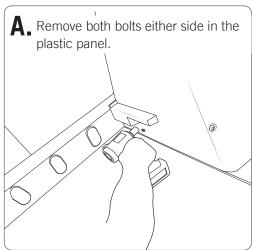


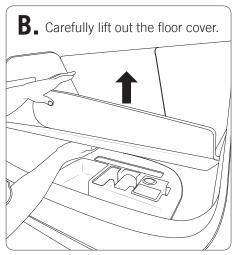


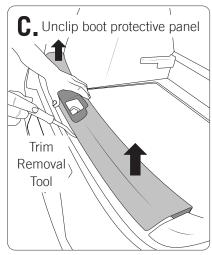
WIRING STEPS

STEP 13





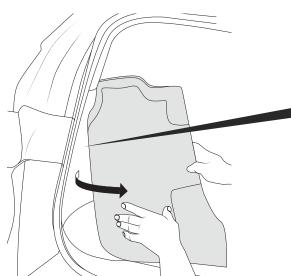




STEP 14

Pop out the LEFT side panel using trim removal tool, and pull out only far enough to reach the wiring harness inside.

Connect wires as per following guide:

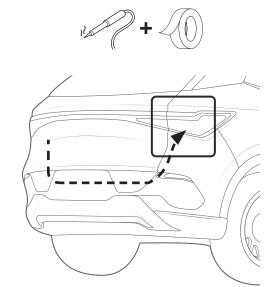


NOTE: WIRE COLOURS MAY VARY ACROSS VEHICLES. ALWAYS TEST YOUR LIGHT CONNECTIONS.

Connect ECU wires to Vehicle wires as follows: ECU Vehicle RED > WHITE (Brake light) YELLOW > YELLOW (Left Indicator) BROWN > RED (Tail Light) WHITE > *Earth Point on Vehicle Body*



Extend Green wire by 3 meters, and route underneath boot plastic trim to RHS tail light.

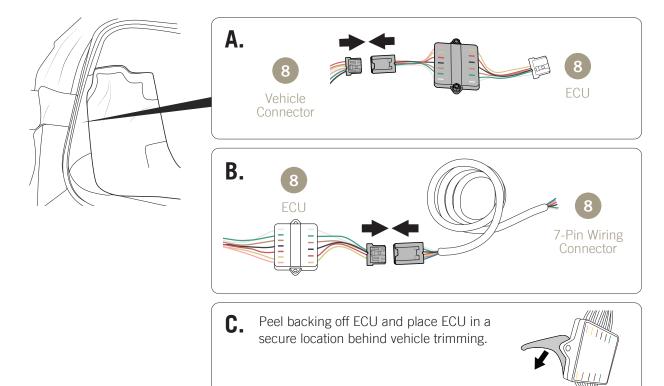


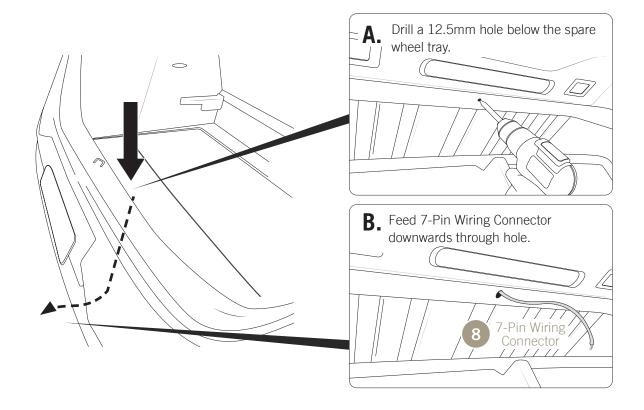
Pop out the RIGHT side pane and connect green wire as follows:

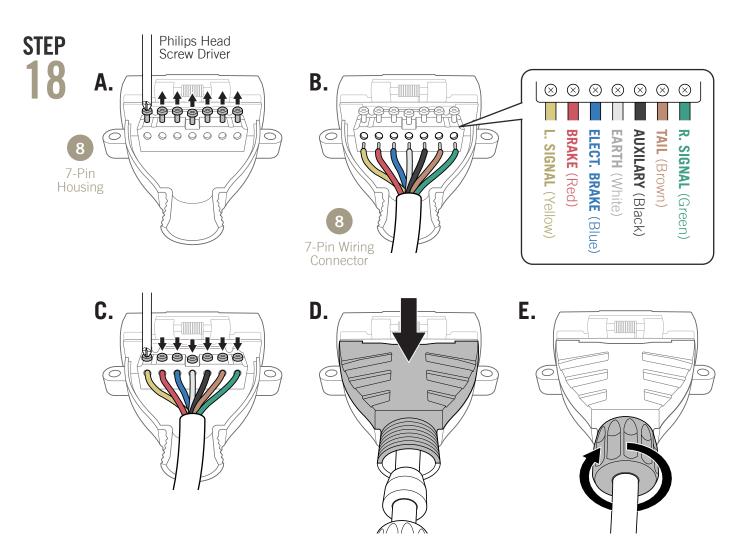
NOTE: WIRE COLOURS MAY VARY ACROSS VEHICLES. ALWAYS TEST YOUR LIGHT CONNECTIONS.

GREEN > YELLOW (Right Indicator)

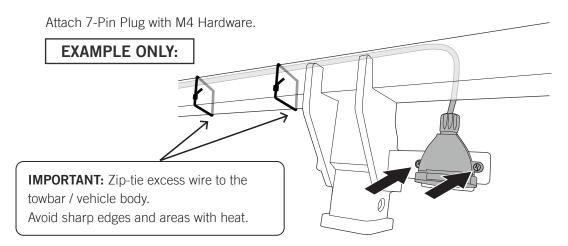










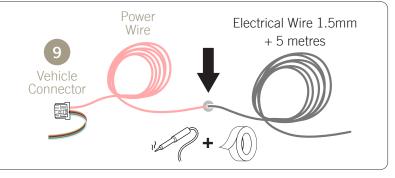


STEP 20

C.

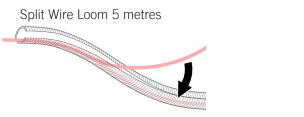
A. Solder an Extension wire to Pink wire so it will reach the battery terminal. Extend by an additional 5 metres.

Solder and tape connection.



B. Insert ALL wire into Split Wire Loom. Trim the Split Wire Loom to match length of wire.

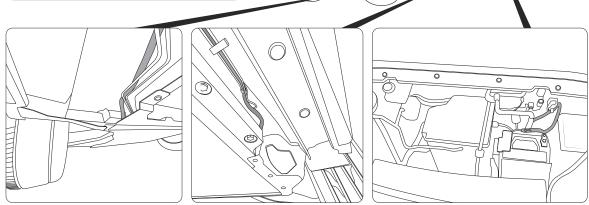
Route wire with Split Wire loom to



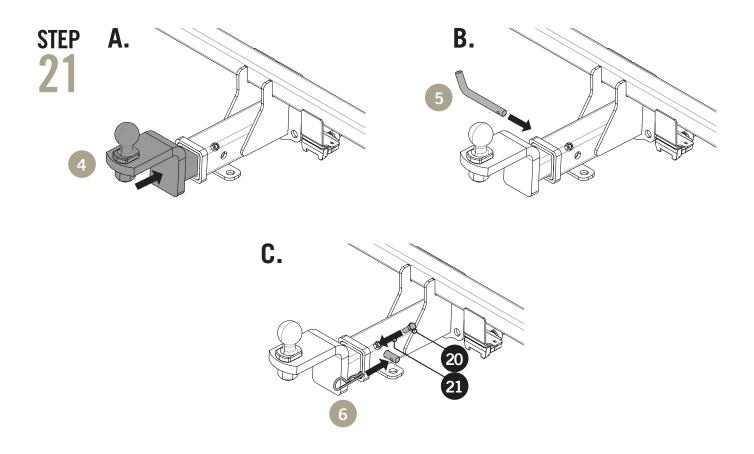
battery terminal. Secure with Zip-ties

IMPORTANT: SELECT ROUTE
CAREFULLY.

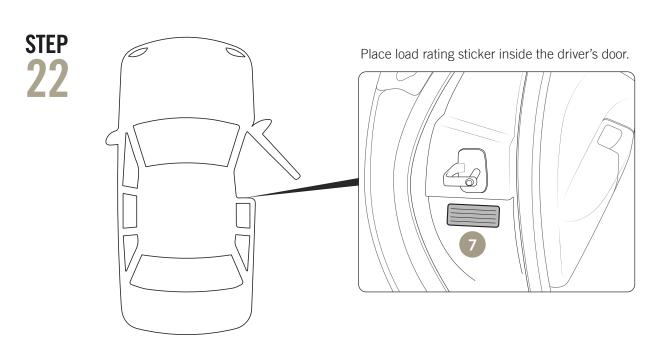
Avoid sharp / abrasive points, moving components and hot areas.



TOWBALL USAGE



FINALISE FITMENT





We're here to help

Want to chat? Call 1800 869 227 or email hello@carasel.com.au

Learn more about us carasel.com.au





