

BOSSCO AUTO

A C C E S S O R I E S

Important: Please read these instructions carefully prior to installation
Check the contents of this kit before commencing fitment and report any discrepancies Place these instructions in the vehicle's glove box after installation is complete
We recommend professional installation of this product

Multi-Fit Roof Racks

Applies to the following SKUs

- 10652
- 10666
- 10650



Maximum carrying capacity: 85kg for 2 bar setup | 120kg for 3 bar setup | 150kg for 4 bar setup including the weight of the rack system.

Please refer to your vehicle handbook for maximum carrying capacity. Always use the lower the lower of the two figures. Load must be evenly distributed over the entire basket.

Recommendations: It is essential that all bolt connections are checked after driving a short distance when you first install your roof racks. Bolt connections should be checked at regular intervals (once a week is enough, depending on road conditions, usage, loads and distance travelled). You should also check the roof racks each time they are re-fitted. Always make sure to fasten your load securely. Please also ensure that the centre of gravity is kept as low as possible. Contents must be entirely contained within the extents of the roof racks. Rack system should be removed when using an automatic car wash.

Off-road use: Our racks can be used in off road applications, however a safety factor of 1.5 is enforced. Extreme care must be taken in off road conditions

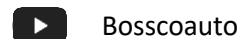
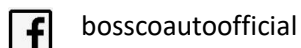
Note for Dealers and Fitters:

Please ensure that fitting instructions are given to the end user or client.

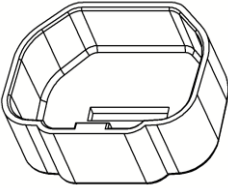



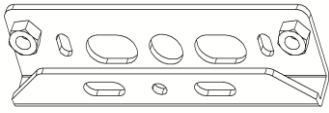
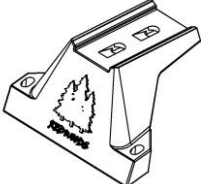
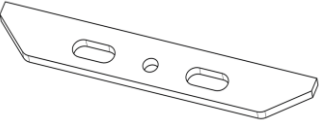
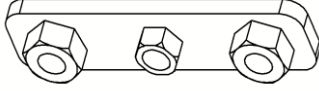
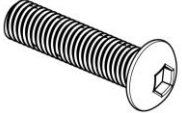
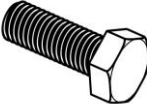

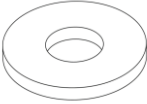
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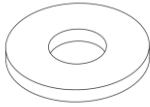

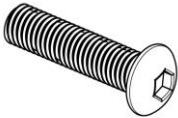
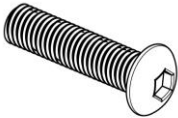

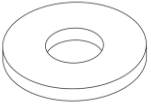

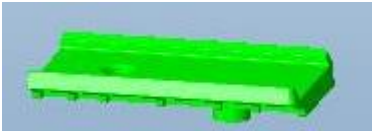
How to find us

Follow us on our YouTube channel for more installation tips and content. Share your rig with us and we'll share it on our social medias!



Parts List

NO	QTY (2 Bar Kit)	QTY (3 Bar Kit)	IMAGE	NO	QTY (2 Bar Kit)	QTY (3 Bar Kit)	IMAGE
1	4	6	 <p>End Caps</p>	2	2	3	 <p>Cross Bars</p>
3	4	6	 <p>Rubber strips</p>	4	4	6	 <p>Channel Nuts</p>
5	4	6	 <p>Steel Base Bracket</p>	6	4	6	 <p>Plastic Bracket</p>
7	4	6	 <p>Adhesive Base Foam</p>	8	4	6	 <p>Three Nut Locking Plate</p>
9	8	12	 <p>M8x35mm Allen Head Bolt</p>	10	4	6	 <p>M10x30mm Hex Bolt</p>
11	16	24	 <p>M8 Spring Washers</p>	12	20	30	 <p>M8x16mm Washer</p>

13	4	6	 <p>M10x26mm Washer</p>	14	4	6	 <p>M10 Spring Washers</p>
15	4	6	 <p>M6x25mm Allen Head Bolt</p>	16	8	12	 <p>M8x25mm Allen Head Bolt</p>
17	4	6	 <p>M6 Spring Washer</p>	18	4	6	 <p>M6x18mm Washer</p>
19	2	2	 <p>Allen Keys</p>	20	See Vehicles Specific Details		 <p>Spacers</p>

NOTE: All nuts, bolts & washers come in separate bags,

- **Bag A** is used to assemble the metal bracket to the vehicle (whether bolt on or drill in) extra bolts, washers & nuts have been supplied
- **Bag B** is used to assemble the plastic 'foot' bracket to the metal base plate, extra bolts, washers & nuts have been supplied
- **Bag C** is used to assemble the roof rack bar to the newly assembled mounting brackets, large bolts, washers & channel nuts have been supplied.

Please see below photos:





Before you start

1. Check all parts are present and in good condition as per the parts list above. Please contact us if there are any parts missing. Commencing installation without checking all parts first may void your warranty and ability to make a claim
2. Please see 'Vehicle Specific Details' list below for any extra notes specific to your car
3. Please be careful to not over-torque roof rack bolts. As a rule of thumb, torque a quarter turn more than when the spring washers flatten out
4. If your car has OEM mounting holes, follow 'Instructions 1A: Bolt on'. Otherwise, follow 'Instructions 1B: Drill in'. Mounting holes may be covered by the roof moulding¹ and/or body paint. A non-exhaustive list is provided below. If you do not see your car on the list, please give us a call. There may be a newer version of this list may be available to download at: <https://www.bosscosauto.com.au/assets/brochures/10666.pdf>

Tools Required

- Plastic trim removers or flathead screwdriver
- Spanners
- Scissors for trimming rubber strips
- Measuring tape

For Drill In installs only

- Drill
- Drill bits (see vehicle specific details . Pilot hole recommended)
- Vacuum
- Automotive sealant – we recommend Sikaflex 221
- Gloves recommended when working with sealants

Instructions 1A: Bolt on

1. Access OEM mounting holes. This may require removing bracketry, body paint or roof mouldings. Take note of whether one or two mounting holes are used per bracket
2. Stick the (7) Adhesive Base Foam to the bottom (skinny side) of the (5) Steel Base Bracket. Pop out the appropriate foam holes to give access to the bolts
3. Bolt (5) Steel Base Bracket to the OEM mounting holes using bolts provided – see list at end of document for more info. Please note that the bolts may be separately packaged
4. Roof mouldings may have to be trimmed to allow the (5) Steel Base Bracket to sit flush on the roof
5. Continue to 'Instructions 2: Assembly'

Instructions 1B: Drill In

1. Access behind roof lining (if applicable) by pulling down door trim rubber. You may have to uninstall grab handles and/or sun visors to give sufficient access into roof lining. You only need about 1 hand's depth up to where the roof moulding would be
2. Check area under drilling area for obstructions such as grab handle mounts, airbags or interior dome light wires
3. Remove top roof moulding if required
4. The roof moulding and metal of the roof can be drilled through for a neater finish but please pull the roof moulding up to check for obstructions first. A longer bolt may be required if doing this

¹ Usually a black rubber strip that runs front to back along the roof of the car



5. Some cars have mount points that hold the roof moulding down. Do not drill onto these mount points as they obstruct the drill bit. If held by plastic clips, many will break upon removal. You can use some silicon to remount the moulding to the roof
6. Using the (8) Three Nut Locking Plate as a template, mark out holes for drilling. Please use the 2 outer holes as a minimum. You can choose any position on the roof provided there is sufficient room to mount the (8) Three Nut Locking Plate on the inside of the roof and there is space to drill
7. Use a hole punch to mark the pilot hole. Then use an appropriate drill bit to drill pilot holes and the bolt holes, respectively. Caution: excessively large drill bits may affect the water resistance of the roof racks
8. Vacuum out swarf
9. Apply some paint or anti-rust to exposed metal surface
10. Squeeze Sikaflex on and around drilled holes
11. Stick the (7) Adhesive Base Foam to the bottom (skinny side) of the (5) Steel Base Bracket. Pop out the two outer oval foam pieces
12. Push (16,11,12) M8x25 bolt through (5,7) the Steel Base bracket and then the layer of Sikaflex into the hole. This will help spread it around the hole and saturate the thread of the bolt and prevent water leaks. The (8) Three Nut Locking Plate goes on the inside of the roof to meet up with the bolts.
13. Securely torque up all bolts
14. Continue to 'Instructions 2: Assembly'

Disclaimer: We recommend professional installation of this product. Please do not attempt installation if you are not confident to install it yourself. Bossco Auto is not liable for any damage to property or people from misuse or inappropriate installation. Please be aware of the risks present in drilling a vehicle such as creating an incorrect hole/cut that may lead to vehicle failure, setting off airbags or SRS or damaging electrical components.

Instructions 2: Assembly

1. Assemble (6) Plastic Bracket to (5) Steel Base Bracket using (9,11,12) M8x35 bolts. Extra washers can be used to space bolt up if it looks like the bolt will touch the roof
2. Assemble (4,10,13,14) M10x30 bolt onto the inner top hole of the (6) Plastic Bracket. Install (20) spacers if applicable. Note: the outer hole (closer to the doors) is used to locate (20) spacers. A longer bolt may be required (provided separately) if using 2 or more spacers
3. Slide (2) Cross Bars onto the brackets by guiding the (4) Channel Nut into the bottom track of the Cross Bars (taller side for Hex-Bar and shorter side for H-Bar). Ensure (3) Rubber Strip is installed on the bottom track between the brackets. The rubber strips may need to be cut shorter.
4. Install (3) Rubber Strip onto top track of Cross Bars
5. Push (1) End Caps onto each roof bar

VEHICLE SPECIFIC DETAILS: Bolt-On Vehicles

Ford Ranger PX Wildtrak 2012+ (roller shutter fitment) or on Bosscoauto Roller Shutters	<ul style="list-style-type: none"> • Uses 1x T-bolt, washer and nut/bracket • Pop off rubber cap at front of roller shutter (towards cab). Slide the T-bolt into the channel and fix to desired location. Attach to middle hole of (5) Steel Base Bracket
Hyundai iLoad (with factory-mounted tracks) <i>Note: these are quite rare. If you just have the plain black roof mouldings that pull off, see below in the Drill In section</i>	<ul style="list-style-type: none"> • Uses 1x M6x15mm bolt and 1x M6 Tapped Hex Plate (packaged separately) per bracket • Slide the M6 Tapped Hex Plate into the tracks. Place (5) Steel Base Bracket on the tracks and bolt it to the M6 Tapped Hex Plate and continue assembly as usual
Land Rover Discovery 3	<ul style="list-style-type: none"> • Uses 1x M6x25mm bolt/bracket • Pop off circular clip that covers mounting hole



Land Rover Discovery 4	<ul style="list-style-type: none"> • Uses 1x M6x25mm bolt/bracket • Pop off circular clip that covers mounting hole
Mazda 3 Hatch & Sedan BK BL BM BN 2004-2018	<ul style="list-style-type: none"> • Uses 1x M6x15mm bolt/bracket (packaged separately) • Pop off roof moulding caps
Mazda CX-5 KE KF 2011-2016	<ul style="list-style-type: none"> • Uses 1x M6x15mm bolt/bracket (packaged separately) • Pop off roof moulding caps
Mazda CX-7 ER 2006-2014	<ul style="list-style-type: none"> • Uses 1x M6x15mm bolt/bracket (packaged separately) • Pop off roof moulding caps
Mazda CX-9 TB 2007-2015	<ul style="list-style-type: none"> • Uses 1x M6x15mm bolt/bracket (packaged separately) • Pop off roof moulding caps
Mercedes Benz Vito 447 / 639 2004+	<ul style="list-style-type: none"> • Uses 1x M6x20mm bolt/bracket (packaged separately) • Unscrew plastic covers over OEM mounting holes using flathead screwdriver • Only uses 1 of the 2 mounting holes per bracket. Bars have slight adjustment in where they can be positioned <p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 2x spacers required between rack & mount, secure using 1x M10x40mm bolt • Middle (each bracket) - No spacer required • Rear (each bracket) - 3x spacer required between rack & mount, secure using 1x M10x40mm bolt
Mitsubishi Triton MQ 2015-2019	<ul style="list-style-type: none"> • Uses 1x M8x25mm bolt per bracket • Drilling an M8 sized hole in the rubber trim allows for cleaner install (the way we recommend). Make sure to cut out thin aluminium piece running inside trim to allow for a clean hole to be drilled • Levelling kit available: 2 spacers may be purchased separately for the front bar
Mitsubishi Triton MR 2019+	<ul style="list-style-type: none"> • Uses 1x M8x25mm bolt per bracket • Drilling an M8 sized hole in the rubber trim allows for cleaner install (the way we recommend). Make sure to cut out thin aluminium piece running inside trim to allow for a clean hole to be drilled • Levelling kit available: 2 spacers may be purchased separately for the front bar
Nissan X-Trail T31 2007-2013	<ul style="list-style-type: none"> • Uses 2x M6x25mm bolt/bracket • Pop off roof rail cap
Renault Master X62 2010+	<ul style="list-style-type: none"> • Uses 1x M6x25mm bolt per bracket • Unscrew plastic covers over OEM mounting holes using socket or torx bit • Only uses 1 of the 2 mounting holes per bracket. Bars have slight adjustment in where they can be positioned • No spacers required unless mounting in frontmost position
Renault Trafic X82 2017+	<ul style="list-style-type: none"> • Uses 1x M6x25mm bolt per bracket • Unscrew plastic covers over OEM mounting holes using socket or torx bit • Only uses 1 of the 2 mounting holes per bracket. Bars have slight adjustment in where they can be positioned • No spacers required unless mounting in frontmost position
Toyota FJ Cruiser	<ul style="list-style-type: none"> • Uses 2x M8x25mm bolts per bracket • Pop off roof moulding cap



Toyota Hiace 2019+	<ul style="list-style-type: none"> • Uses 2x M8x25mm bolts per bracket • Remove OEM hook mount and bolt our bracket into the holes left behind <p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 3x spacers required between rack & mount, secure using 1x M10x40mm bolt • Middle (each bracket) - No spacer required • Rear (each bracket) - 2x spacers required between rack & mount, secure using 1x M10x40mm bolt
Toyota Kluger 2003-2020	<ul style="list-style-type: none"> • Uses 2x M8x25mm bolts per bracket • Pop off roof moulding cap
Toyota Prado 120s 150s 2003+	<ul style="list-style-type: none"> • Uses 2x M8x25mm bolts per bracket • Pop off roof moulding cap
Toyota RAV4 2000-2020	<ul style="list-style-type: none"> • Uses 2x M8x25mm bolts per bracket • Pop off roof moulding cap
Volkswagen Amarok	<ul style="list-style-type: none"> • 1x M6x35mm bolt (packaged separately) & 1x Three Nut Locking Plate per bracket • (8) Three Nut Locking Plate is used a spacer to fill void in the roof so that the base bracket can sit flush. Base bracket is not able to sit inside the void by itself. The bolt does not thread into the Three Nut Locking Plate
Volkswagen Caddy 2006+	<ul style="list-style-type: none"> • Uses 1x M6x25mm per bracket <p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 5x spacers required between rack & mount • Middle (each bracket) - No spacer required • Rear (each bracket) - 2x spacer required between rack & mount
Volkswagen Multivan	<ul style="list-style-type: none"> • Uses 1x M6x15mm bolt and 1x M6 Tapped Hex Plate (packaged separately) per bracket • Slide the M6 Tapped Hex Plate into the tracks. Place (5) Steel Base Bracket on the tracks and bolt it to the M6 Tapped Hex Plate and continue assembly as usual
Volkswagen Transporter T5	<ul style="list-style-type: none"> • Uses 1x M6x25mm per bracket • OEM mounting point is a moveable plate fixed inside roof. Loosely bolt (5) Steel Base Bracket and pull towards outside of car before tightening <p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 2x spacers required between rack & mount, secure using 1x M10x40mm bolt • Middle (each bracket) - No spacer required • Rear (each bracket) - 1x spacers required between rack & mount, secure using 1x M10x30mm bolt
Volkswagen Transporter T6	<ul style="list-style-type: none"> • Uses 1x M6x25mm per bracket • OEM mounting point is a moveable plate fixed inside roof. Loosely bolt (5) Steel Base Bracket and pull towards outside of car before tightening <p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 2x spacers required between rack & mount, secure using 1x M10x40mm bolt • Middle (each bracket) - No spacer required



	<ul style="list-style-type: none"> Rear (each bracket) - 1x spacers required between rack & mount, secure using 1x M10x30mm bolt
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VEHICLE SPECIFIC DETAILS: Bolt-On Vehicles

Holden Colorado RG 12+	<ul style="list-style-type: none"> Some Colorado's have factory mounting holes. They are hidden under roof trim and may have some body paint covering it. 1x M8x25 bolt per bracket There are 4 factory mounting points per side of the car. Choose holes suitable for your use If there are no holes, new holes will have to be drilled
Hyundai iMax	<ul style="list-style-type: none"> Uses 2 Nutserts or Rivnuts per bracket A nutsert is a special type of fastener which allows a normal drilled holed to be turned into a threaded hole. A nutsert gun is usually used but there are many DIY videos on youtube that show you 'hacks' using a couple nuts and a bolt. This will save you from having to buy a specialised tool that may only be used once. Contact us if you require further help Nutserts must be used as there are a lot of aircon ducts and a big roof liner on the inside of the car. The standard drill-in technique cannot be used like an iLoad Bolt (5) Steel Base Bracket to Nutserts using the two outer holes on the Base Bracket <p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> Front (each bracket) - 2x spacers required between rack & mount, secure using 1x m10 x 40mm bolt. Position: in small door jamb at front of sliding door Middle (each bracket) - No spacer required. Position: above the black brace in centre of car running left-right. Rear (each bracket) - 1x spacer required between rack & mount, secure using 1x m10 x 30mm bolt. Position: roughly 10cm in front of last roof stud that the roof moulding mounts to <p><u>4 Bar Setup</u></p> <ul style="list-style-type: none"> Same as 3 bar setup except both middle bars use no spacers. Position middle bars as required
Hyundai iLoad	<p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> Front (each bracket) - 2x spacers required between rack & mount, secure using 1x m10 x 40mm bolt. Position: in small door jamb at front of sliding door Middle (each bracket) - No spacer required. Position: above the black brace in centre of car running left-right. Rear (each bracket) - 1x spacer required between rack & mount, secure using 1x m10 x 30mm bolt. Position: roughly 10cm in front of last roof stud that the roof moulding mounts to. <p><u>4 Bar Setup</u></p> <ul style="list-style-type: none"> Same as 3 bar setup except both middle bars use no spacers. Position middle bars as required
Hyundai Staria 2021+	<ul style="list-style-type: none"> Must cut and scrape sealant off roof channel where bracket will sit prior to drilling Uses 2 Nutserts or Rivnuts per bracket



	<ul style="list-style-type: none"> • A nutsert is a special type of fastener which allows a normal drilled hole to be turned into a threaded hole. A nutsert gun is usually used but there are many DIY videos on youtube that show you 'hacks' using a couple nuts and a bolt. This will save you from having to buy a specialised tool that may only be used once. Contact us if you require further help • Nutserts must be used as there are a lot of aircon ducts and a big roof liner on the inside of the car. The standard drill-in technique cannot be used like an iLoad • Bolt (5) Steel Base Bracket to Nutserts using the two outer holes on the Base Bracket <p><u>3 Bar Setup (recommendation only)</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 4x spacers required between rack & mount, secure using 1x m10 x 50mm bolt. Position: measure 645mm between windscreen and start of (5) Steel Base Bracket • Middle (each bracket) - No spacer required. Position: measure 885mm between 1st and 2nd (5) Steel Base Bracket • Rear (each bracket) - 4x spacer required between rack & mount, secure using 1x m10 x 50mm bolt. Position: measure 885mm between 2nd and 3rd (5) Steel Base Bracket. Be careful not to go too far back where the inside of roof curves towards the middle of the car
Hyundai Staria Load 2021+	<ul style="list-style-type: none"> • Must cut and scrape sealant off roof channel where bracket will sit prior to drilling <p><u>3 Bar Setup (recommendation only)</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 4x spacers required between rack & mount, secure using 1x m10 x 50mm bolt. Position: measure 645mm between windscreen and start of (5) Steel Base Bracket • Middle (each bracket) - No spacer required. Position: measure 885mm between 1st and 2nd (5) Steel Base Bracket • Rear (each bracket) - 4x spacer required between rack & mount, secure using 1x m10 x 50mm bolt. Position: measure 885mm between 2nd and 3rd (5) Steel Base Bracket. Be careful not to go too far back where the inside of roof curves towards the middle of the car
Isuzu D-Max 12+	<ul style="list-style-type: none"> • Some D-Max's have factory mounting holes. They are hidden under roof trim and may have some body paint covering it. • 1x M8x25 bolt per bracket • There are 4 factory mounting points per side of the car. Choose holes suitable for your use • If there are no holes, new holes will have to be drilled
LDV G10 2015+	<p><u>3 Bar Setup</u></p> <ul style="list-style-type: none"> • Front (each bracket) - 3x spacers required between rack & mount, secure using 1x m10 x 40mm bolt. • Position: Locate 3rd white roof moulding clip. Cut front half of clip off with side cutters. Press (5) steel base bracket against clip and ensure (8) 3 nut locking plate can fully fit in door jamb of sliding door. • Middle (each bracket) - No spacer required. • Position: Locate 6th white roof moulding clip from front. Measure 10cm towards rear of vehicle from the rivet. This should be the position of the first hole. Use (8) 3 nut locking plate to mark second hole. These marks should line up with 2 circular openings on inside of vehicle.



	<ul style="list-style-type: none">• Rear (each bracket) - 4x spacer required between rack & mount, secure using 1x m10 x 30mm bolt• Position: Locate 2nd white roof moulding clip from rear. Press (5) steel base bracket against clip. Bracket can be on slight angle as rear tapers inwards.
Nissan Navara D23/NP300 2015+	<ul style="list-style-type: none">• Be careful of front airbag mount• 10mm bolts holding airbag mount may be removed to provide a bit more space during installation. Airbag mount must be re-installed after installing the roof rack• Front mount may be positioned further forward to avoid airbag mount
Toyota Hilux 2005+	<ul style="list-style-type: none">• This car has a very narrow roof moulding. If you were to remove the roof moulding and try to fit the triangle base bracket in the gap, it would not fit.• The solution is to make a hole in the roof moulding and sit the triangle base bracket on top of the roof moulding so that it is raised up and flush with the roof. This also looks a lot neater and cleaner.• A bit of clear 3M tape is recommended to protect the paint