



**Fitting instructions for
Subaru Outback BT 21-on
OB-0421**

Components list:

1 x Aluminium bullbar	20 x Metal self-drilling screws
1 x Fitting instructions	6 x M8x35mm Bolts
1 x Steel mounting bar	12 x M8 Washers
2 x Aluminium side splash guard panels	6 x M6x 16mm Bolts
1 x Lower center splash guard panel	6 x M6 Washers
1 x Length of pinch weld, strip 2.6 metres long	6 x M8x 30mm Bolts
6 x M12x 35mm Bolts	6 x M8x 40mm Washers
6 x M12 Nyloc nuts	1 x Cutting template
12 x M12 Washers	4 x Stainless steel Philips head screws

Tools required:

Car ramps/ hoist or jack and jack stands	Bull-nose or needle nose pliers
10mm, 12mm, 13mm, 18mm, 19mm Spanners and sockets ½ Inch ratchet to suit sockets	Stanley knife
Drill with Philips head attachment	Reciprocating saw

Note: This is a partial bumper replacement bullbar. The car's plastic bumper must be cut laterally

1. Using a clip removal tool or a flat head screwdriver Remove all clips and bolts holding on bumper and factory sumpguard
2. Remove Airbox air duct and top radiator support cover to gain access to camera harness
3. Remove factory sumpguard and set aside
4. Disconnect fog lights and camera
5. Unclip camera from radiator support and re-route harness down behind headlight (may need to remove some factory plastic clips)
6. Remove headlight washer covers by pulling outward and pinching sides with pliers or fingers and set aside
7. Using cutting template provided, use masking tape to tape the top of the templates profile to the top of the bumper, mark out the bottom bumper for bumper cut.
8. Remove bumper from car making sure to remove camera out of factory bumper.
9. Unclip from body, Disconnect AGSS panel and unclip outside air temperature sensor from AGSS panel, remove foam from AGSS panel and set aside
10. Remove Factory Reinforcement bar.

11. Remove lower air director from lower intrusion bar and upper air directors from radiator support. Remove air directors from inner guard liners.
12. Using the 6- M8x35mm bolts and washers, fit the steel mounting/ reinforcement bar supplied in replacement of factory reinforcement (loosely fit passenger side).
13. Fit AGSS panel using 2- M6x 15mm bolts and washers to steel mounting/ reinforcement bar and using 3- M8x 30mm with 3 M8x 40mm washers, tighten AGSS panel to lower intrusion bar.
14. Tighten all bolts for reinforcement bar and AGSS panel and reconnect AGSS harness and outside air temperature sensor.
15. Remove fog lights from the factory bumper and fit into bull bar using the supplied M6x 15mm bolts and M6 washers.
16. Use reciprocating saw/jig saw or grinder with cutting wheel, to cut the factory bumper **(use masking tape on cutting line to protect paintwork)**; Once factory bumper is cut, apply pinch weld and fit to vehicle.
17. Fit bullbar to vehicle and fit the supplied 6 x M12x 35mm bolts, washers and nyloc nuts (if bar doesn't sit correctly with factory bumper, some trimming of the factory bumper may be required) once happy with the fitment, tighten all bolts.
18. Remove clips from camera harness, feed through face of bullbar and use the 2 supplied stainless steel Philips head screws to fit camera to bullbar and connect.
19. Fit side Aluminium splash guard shields using the provided self drilling screws, screw the inner guard lining to shields, cut off excess plastic with stanley knife.
20. Using a ratchet and 12mm socket, remove the 2 factory M8 bolts from the lower radiator support. Using the same bolts, loosely fit the lower aluminium shield and then using the supplied metal self-drilling screws, screw the lower centre shield to the bullbar, tighten the factory M8 bolts.
21. Refit factory sumpguard to vehicle, using the supplied M8x 30mm bolts and M8x40mm washers bolt the sumpguard to the centre aluminium shield and tighten bolts