

# TRAILBOSS

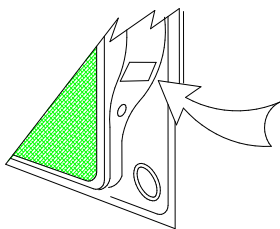
Towbar Fitting Instructions  
To Suit **Hyundai i45** 06-2010 ON  
Part Number **HY24L**  
Rating **1200/120** kg

## **WARNING:**

1. Do not, drill, cut, weld or otherwise modify the tow bar.
2. If you are using electric welding on a motor vehicle, **always** check that the vehicle is not equipped with electronic engine or instrument management equipment. Failure to do so could **destroy** any onboard computers. If in doubt, check with the vehicle's manufacturer.
3. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorised **Trailboss** dealer if further information is required.

## **General:**

1. Ensure all hardware items have been included refer to assembly diagram.
2. It is recommended that the instructions are read through and completely understood before making any attempt to fit this product.
3. Be wary of any changes to vehicle designs or other accessories that may conflict with the installation of this product.
4. Before drilling ensure that the area is clear of fuel, electrical & other components.
5. All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.
6. For vehicles that require the bumper to be cut. Ensure cut out area is in correct position on the vehicle prior to cutting the bumper.
7. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorized **Trailboss** dealer if further information is required.
8. Ensure that all hardware is fastened to torque list below check fasteners on regular basis.
9. Tow bar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door. **(See diagram below).**
10. Trailboss recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2.**
11. **PLEASE NOTE:** It is advised to remove your lug or tbn when not actually towing so as to produce a clear view of the vehicles registration plate if obscured, and to also provide maximum available departure angle



Place load rating sticker  
inside driver's door here

**FOR TRAILER TOWING PURPOSES ONLY**  
For towing capacity details please refer to vehicle owner's manual or to the manufacturer. Overloading can void your warranties.

### RECOMMENDED ASSEMBLY TORQUE LISTING

Diameter	Grade 8.8 Bolt
M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3Nm
M14	146 Nm
M16	189.8 Nm

## **Tow bar Maintenance and Care.**

Trailboss recommends that bolt torque's, as listed below, are routinely and regularly inspected and checked for correct tension. Replace any worn or defective parts.

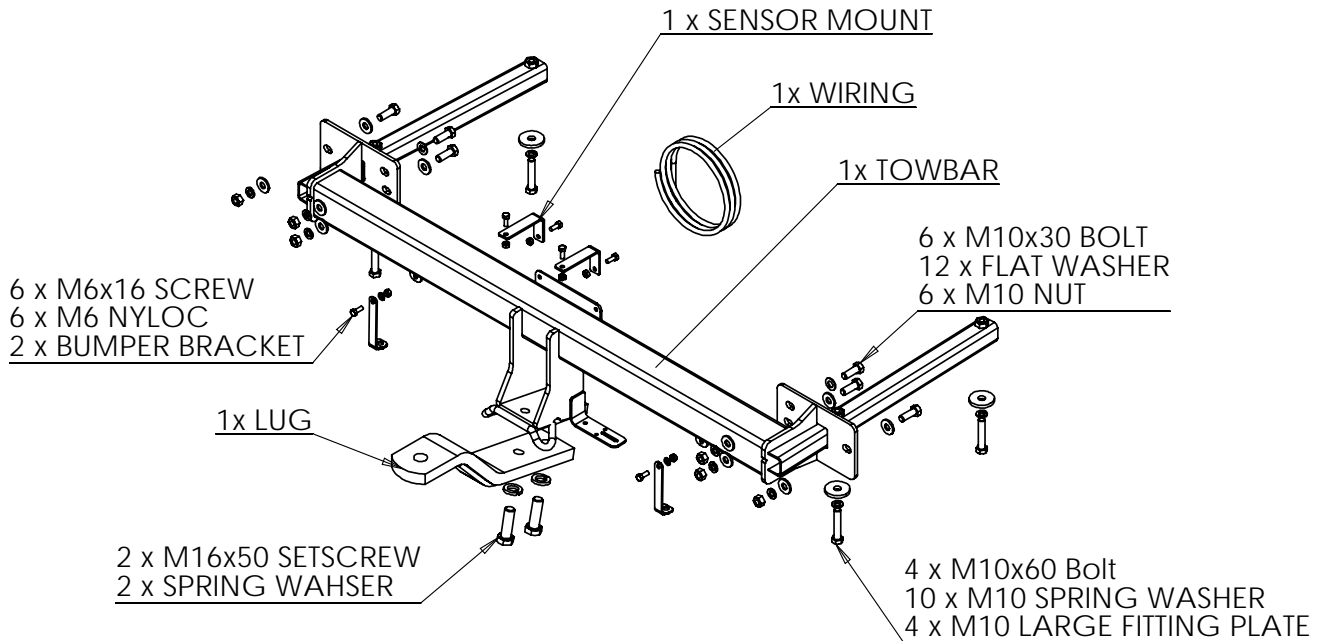
We recommended to remove Tow Ball Mounts (TBM's, tongues or lugs) when not being used for any considerable length of time.

So as to avoid injury, when not towing it is suggested that the tongue, Pull Pin and R-clip are removed then stored in a safe, clean and dry place, away from excessive moisture.

Hitch Pull Pins and spring "R" clips are regularly checked for proper installation. Replace any worn or defective parts.

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1. Remove tail light assembly on both sides.
2. Remove 2 skrivets inside tail light cavity and 1 screw near boot seat on both sides.
3. Remove 3 screws and 1 skrivet near wheel arch on both sides.
4. Remove 3 skrivets under the bumper.
5. Remove bumper from vehicle, disconnect any wiring attached to bumper.
6. Remove impact beam and discard, remove sensor to be reattach to towbar.
7. Lower muffler hangers and remove heat shield on both sides.
8. Fir towbar in between chassis rails.
9. Fasten towbar to chassis rails according to diagram.
10. Cut 80mm wide 100mm deep from bottom centre of the bumper.
11. Refit bumper bar.



Wiring Loom Fitting Instructions  
To Suit Hyundai YF i45  
Part Number 100382-WL

## Wiring Loom Installation Instructions

Hyundai YF i45  
Part No: 100382-WL

Tail Harness Length Required: 1200mm  
RPA Override Switch Part No: 04848 (If Fitted)

**Note: If factory OEM RPA is fitted, Trouble Code will be logged if disabled.**

Wiring Loom Installation Time: Approx 40 Mins



Wiring Loom Fitting Instructions  
To Suit Hyundai YF i45  
Part Number 100382-WL

1. In the luggage compartment, remove the floor carpet.
2. Remove the rear trim by first removing the two fasteners.
3. On the RHS of the luggage compartment, remove the rear storage tray by first removing the fasteners.
4. Remove the LHS panel.
5. Remove the LHS side trim by first removing all the clips.

**Note: One clip is located behind the rubber lining.**

**Repeat step on the RHS.**

6. Locate and remove the two bolts in between the rear seat cushions.
  7. Remove the lower seat cushions.
  8. Remove the bolt just underneath the RHS outer cushion.
  9. Remove the RHS outer cushion.
  10. Remove the RHS front scuff plate.
  11. Remove the RHS rear scuff plate.
  12. Dislodge the 'B' Pillar trim.
  13. Remove the RHS kick panel.
  14. Remove the RHS outer dash trim.
  15. Remove the fuse panel cover.
  16. At the rear of the vehicle, drill out the existing grommet hole to 30mm.
  17. File down any rough or sharp edges and then spray on the rust inhibitor.
  18. From the outside of the vehicle, mount the trailer socket on the towbar mounting bracket using M4 fasteners (not supplied).
  19. Route the tail harness (tail length 1200mm) across the towbar towards the LHS of the vehicle and up through the previously drilled out grommet hole.
- The following step is for Reverse wire only.**
20. In the LHS of the luggage compartment secure the supplied ezy-tap onto the blue vehicle harness reverse wire.

## Wiring Loom Fitting Instructions To Suit Hyundai YF i45 Part Number 100382-WL

21. Plug the trailer patch harness (P/No: 100382-WL) terminal black wire into the ezy-tap.

Function	Trailer Patch	Vehicle Connector
REVERSE	BLACK	BLUE

22. Disconnect the LHS tail light connector.

23. Connect the trailer patch harness to the LHS tail light and connect the LHS tail light connector to the trailer patch harness.

24. Route the trailer harness across the rear of the vehicle and towards the RHS.

25. Disconnect the RHS tail light connector.

26. Connect the trailer patch harness to the RHS tail light and connect the RHS tail light connector to the trailer patch harness.

27. Secure the trailer patch harness ground ring terminal to the vehicle sheet metal using a tech screw (not supplied).

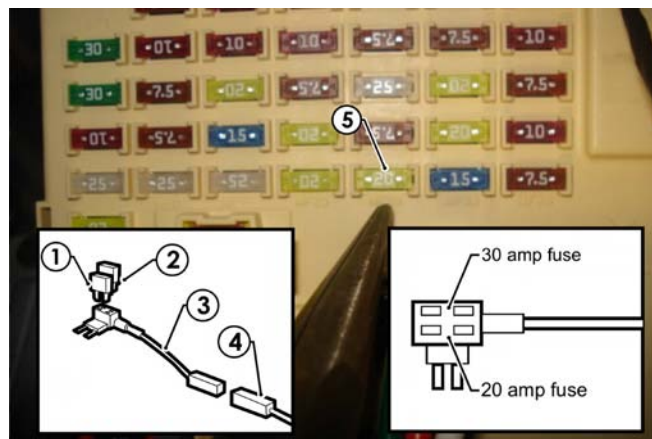
28. In the luggage compartment, connect the trailer harness connector to the trailer patch harness mating connector.

29. On the RHS of the engine bay firewall, locate the grommet and cut off the nipple.

30. Route the trailer harness through the grommet and into the cabin.

31. Following the existing vehicle harness, route the power wire along the RHS, behind the 'B' Pillar and towards the front of the vehicle.

32. Remove the indicated fuse from the fuse box.



33. Slot in the supplied 30-amp fuse into the upper slot of the add-a-fuse harness and connect the 20-amp fuse in the lower slot of the add-a-fuse harness.



Wiring Loom Fitting Instructions  
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34. Insert the add-a-fuse harness into the now vacant fuse slot.
35. Connect the trailer patch harness to the add-a-fuse harness.
36. Test the Trailer Harness function using a light board or multimeter.
37. Secure all Harnesses using cable ties (not supplied).
38. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
39. Place the instructions in the glove box after fitment.