

Kaymar

Fitting Instructions



Suitable for
Toyota Prado 120
Year
Type **Wagon**
Part **Rear Bar**

Applicable to Part Numbers

K3705, KITPRADO120, KITPRADO120-R-JCD

Date published November 28, 2017

IMPORTANT - BEFORE COMMENCING INSTALLATION

Please verify the part number corresponds with the list above.

Read through these instructions and check items in the supplied fitting kit matches the attached list.

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Suitable for PRADO 120

1. If Kaymar wheel carriers are to be fitted, remove spare wheel and bracket from door.
2. If a left side carrier or jerry can holder is to be fitted, remove existing number plate housing and replace it with the Kaymar housing. Fit rubber plugs to holes which are not used.
Cut off the original wiring approx. 50mm below the connector and join wires to the new number plate light.



3. Open the rear door and un-clip the black plastic cover strip from the top of the bumper just below the door rubber seal on the body.

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4. With the plastic bumper still on the vehicle mark the lines to be cut as per photos below.



Photo 2



Photo 3

- align the inside edge of the cutting template 5mm past the edge of the reflector hole (photo 2).
- The template should rest naturally in a vertical position against the outside edge of the plastic.



Photo 4



Photo 5

- Hold firmly in place and mark a line around the edge of the template onto the plastic (photos 3 & 4).
- Mark line from photo 5. The same template does both sides.

5. Follow lines on photo 6 to cut right across bumper.

6. Remove bumper and recovery hooks from the vehicle. (start to un-clip the plastic side panel from the bottom of the join first).



Photo 6

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7. Cut the bumper and clean up all rough edges, cut off the lower lugs from each side of the bumper still on the car. (For a better finish, paint these edges).



Photo 7

8. Re-fit the top section of the plastic bumper using original hardware. The white foam section is not re-used.



Photo 8



Photo 9

9. Fit one bracket each side of the body (photo 9). Use two pop rivets each side. The brackets are left and right hand.
10. Check that the threaded holes the recovery hook came from and the two lower holes in the centre of the chassis are clean and the bolts screw in easily. Clean threads with an M12 x 1.25 tap.
11. Fit the Kaymar bar up to the chassis.
 - fit the two M12 x 1.25 x 50mm long bolts to the centre two holes **DO NOT TIGHTEN**.
 - fit two M12 x 1.25 x 35mm bolts to the bottom of each chassis rail. Just start these bolts then fit the two slot spacer plates between the bar arm and the bottom of the chassis. **LIGHTLY TIGHTEN THE BOLTS**.
12. Place the right angle bracket with four holes above the centre back of the towbar tube. Align the two holes in the chassis with the correct hole in the bracket. Bend two of the bolts on wire to go through the chassis hole on each side of the bracket and come out through the hole in the brackets. Fit a flat and spring washer and nut to each bolt. **DO NOT TIGHTEN**.
13. Fit the other two plain M12 bolts through the other two holes in the bracket and the corresponding holes in the towbar. Fit a flat and spring washer and nut to each bolt.

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14. The remaining two bolts on wire must be threaded through the chassis crossmember and the bolt comes out of the hole in the chassis/bar side plate. The wire and bolt must be straight to do this. Fit flat and spring washer and nut to each side.
15. Starting with the bottom four bolts. Tighten all bolts.
16. Run a thin line of silicon along the top of the rear bar approx. 3cm in from the front face. Place the plastic stripping over the silicon and the chequer plate on top of the strip. Fasten with M6 cup screws.
17. Fit rubber trim strip along the bottom cut edge of the plastic side panel.

Note: The edge of the plastic can be trimmed to suit the top of the bumper.

18. Run a wide bead of silicon around the inside edge of the plastic end cap. Fit the short spring to the top of the bracket, the large spring to the bottom. Place the end cap over the cut ends of the bumper and gently but firmly press into place.
19. Reach up underneath the end of the plastic bumper and attach the springs to the brackets on the body which you fitted in step 9.
20. If vehicle needs the complete trailer wiring loom. Fit this now as per its own instructions. Splice wiring for lights in rear bar into the vehicle trailer wiring.

Wiring for LED Lights

Brown - Tail

Yellow - Indicator

Red - Stop

White - Earth

22. See separate fitting sheet for wheel carriers and jerry can holders.

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BK3705 PRADO 120 REAR BAR

QUANTITY	DESCRIPTION
4	BOLT M12 X 35 X 1.25 FINE THREAD
4	BOLT ON WIRE M12 X 35 X 1.75 300 MM WIRE
2	BOLT M12 X 50 X 1.25 FINE THREAD
2	BOLT M12 X 35 X 1.75
14	WASHER FLAT M12 X 30 HD
12	WASHER SPRING M12
6	NUT M12 X 1.75
1	WIRE TRAILER 7 CORE 1200 MM LENGTH
4	POP RIVET 5/32
2	PINCH WELD 9.5 MM STRIP LENGTH 150 MM
2	SPRING SHORT P120 END CAP RETAINING
2	SPRING LONG P120 END CAP RETAINING
1	PLASTIC END CAP PRADO 120 LHS
1	PLASTIC END CAP PRADO 120 RHS
1	PLASTIC END CAP P120 MOUNTING BRACKET LHS
1	PLASTIC END CAP P120 MOUNTING BRACKET RHS
1	PLASTIC END CAP P120 RETAINING BRACKET LHS
1	PLASTIC END CAP P120 RETAINING BRACKET RHS
1	TEMPLATE CUT OUT - CHEQUER PLATE P120 (ALUMINIUM)
2	PACKER DOUBLE SLOT 8 MM 75 X 48
1	CENTRE MOUNTING PLATE P120
2	REFLECTOR



bolt_on_wire_M12x35x1.75_300mm_wire



***packer_double_
slot_8mm_75x48_MK366_8M***



centre_mounting_plate_P120

BK3705 PRADO 120 REAR BAR



bolt_on_wire_M12x35x1.75_300mm_wire



*packer_double_
slot_8mm_75x48_MK366_8M*



centre_mounting_plate_P120