

# Kaymar

## Fitting Instructions

Vehicle MY17

Year

Type Wagon

Part Rear Bar

Applicable to Part Numbers

K3950, KITMUX17, KITMUX-L-JCS17, KITMUX-R-JCS17

Date published Jan 16, 2018

### 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.**

Every effort is made to ensure instructions are as accurate as possible at the time of publishing however work should not be commenced until the document has been thoroughly read, measurements checked and all components in the package verified as complete. Kaymar has used reasonable care in preparing the information included in these documents, but makes no representations or warranties as to the completeness or accuracy of the information. Information is supplied upon the condition that the persons receiving the information will make their own determination as to its suitability for their purposes prior to use. Kaymar assumes no liability whatsoever for any damages incurred by you resulting from errors in or omissions from the information included herein. Kaymar reserves the right to make changes without further notice to any products to improve reliability, function or design.

### MY-17

1. Remove the spare wheel from under the vehicle
2. Remove the mud flaps, then the bumper by removing the two screws from under the tail lights (one on either side)
3. Remove two screws (one either side) from inside the wheel arches. Then remove five plastic scrivets from under the bumper (refer Figs 1 and 2)



Fig 1



Fig 2

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4. Disconnect sensors from the wiring harness - *Hint - Use a small flat head screw driver to lift the tabs*  
Unplug reverse power wire from behind the reverse lamps
5. Gently unclip the bumper from the vehicle beginning at the wheel arch. Remove bumper. Sit bumper down on a soft non-abrasive surface  
(refer Fig 3) Fig 3



6. While the bumper is off you will need to trim bumper retainer brackets.  
Mark down 45mm and across 55mm cut using a grinder being careful not to touch the body  
(refer Fig 4, 5, 6, 7 & 8)

Fig 4



Fig 5



Fig 6



Fig 7



Fig 8

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7. Remove the three metal bumper support brackets (These will not be reused) (refer Fig 9 & 10)

Fig 9



Fig 10



8. Refit bumper to the vehicle clipping in place and making sure it sits in its original position

### MARKING AND CUTTING BUMPER

9. Mark with a felt tip pen the position for the cardboard template. Using masking tape stick the template to the bumper. Use photos below as a guide Figs 11, 12, 13 & 14 below

Fig 11

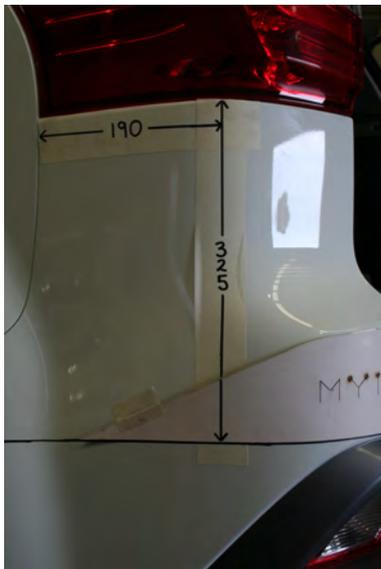


Fig 12



Fig 13



Fig 14

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## Fitting Instructions

10. Mark along bottom edge of template using a felt tip pen

11. At the wheel arch mark down 45mm. Then using a ruler mark from wheel arch to template. From the top of bumper in the centre mark down 20mm then with a ruler mark to the template. You should now have a straight line all the way around the bumper (refer Figs 15, 16 & 17)

Fig 15

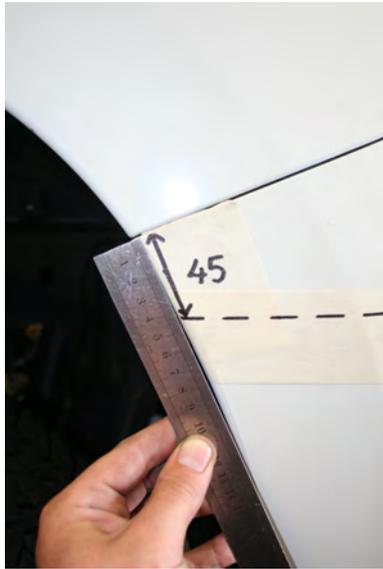


Fig 16



Fig 17



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12. Using a grinder with 1mm cutting disc cut the bottom section of bumper off starting at the wheel arch. Debur cut edge and fit pinchweld (supplied) all the way along cut edge (refer Figs 18 & 19)

Fig 18



Fig 19



13. Fit four x M6 cage nuts into end of Kaymar bar wing to the top and bottom holes ONLY (refer Fig 20)

Fig 20



14. Slide the plate with 2 nuts welded on, into the right hand side of chassis lining up with the 2 holes in the bottom of chassis

15. With another person lift Kaymar bar onto vehicle being careful not to touch the body

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16. Fit four M10 x 50 x 1.25 bolt, spring and flat washers to the captive nuts on the left and to the nut plate on the right (refer Fig 21)
17. Slide the 3mm packers (one either side) between the Kaymar bar and the bottom of chassis. Do these up FINGER TIGHT ONLY

Fig 21



18. Check that the bar sits evenly side to side on vehicle add packers between inside of chassis and Kaymar bar to centralize. Fit eight x (four either side) M12 x 35 x 1.25 bolts, springs and flat washers to eight x captive nuts in chassis
19. Once you're happy the bar is central tighten bottom four bolts then remaining eight. Check that the bar is straight to bumper cut. NOTE Some packing may be required depending on the accuracy of the cut
20. Splice 7-core wire supplied into factory trailer harness using the table below

Function	LED	Vehicle
STOP	RED	RED
TAIL	BROWN	BROWN
R/H	GREEN	GREEN
L/H	YELLOW	YELLOW
REVERSE	BLACK	BLACK
EARTH	WHITE	WHITE

21. Tuck wheel arch trim in behind bar, refit mud flaps

Fig 22

22. Using the two bolts in the centre of the body underneath the vehicle, fit the bumper support plate Use a small amount of stickaflex to adhere bumper to bracket (refer Fig 22)



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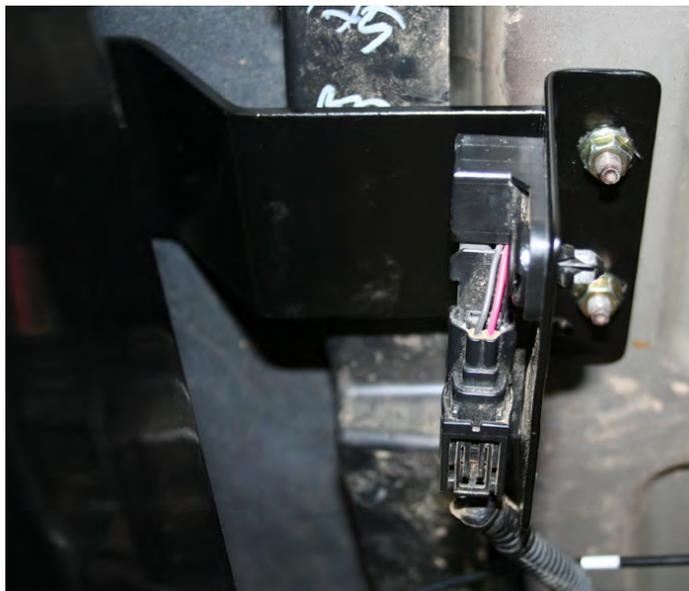
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22. If the vehicle is fitted with a camera relocate wiring using the bracket purchased separately to the same two bolts as above using the original hardware  
(refer Fig 23 & 24)

Fig 23



Fig 24



23. If carriers or jerry can holder is to be fitted see separate instructions

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### BK3950 MUX REAR BAR

QUANTITY	DESCRIPTION
8	BOLT M12 X 35 X 1.25 FINE THREAD
8	WASHER FLAT M12 X 30 HD
8	WASHER SPRING M12
4	BOLT M10 X 1.25 X 50
4	WASHER FLAT M10 X 25 HD
4	WASHER SPRING M10
4	M6 CAGE NUTS
4	M6 x 20 BLACK ROOF BOLTS
1	PINCH WELD 14 MM STRIP LENGTH 2700 MM
4	CAGE NUTS M6
4	M6 PAN HEAD
2	SPACER 5MM MUX
2	SPACER 3MM MUX
1	WIRE TRAILER 7 CORE 1200 MM LENGTH
10	WIRE CONNECTOR MALE
1	TEMPLATE - MUX MAY 17+
1	WIRE TRAILER 7 CORE 1200 MM LENGTH
1	BUMPER SUPPORT BRACKET MUX REAR BAR FITTING
1	CHASSIS INSERT



*spacer\_5mm\_square\_MUX*



*spacer\_M\_3mm\_MUX*



*chassis\_insert\_2\_nuts\_on\_plate\_MUX*



*bumper\_support\_bracket\_MUX*

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## Fitting Instructions

BK3950 MUX REAR BAR



*spacer\_5mm\_square\_MUX*



*spacer\_M\_3mm\_MUX*



*chassis\_insert\_2\_nuts\_on\_plate\_MUX*



*bumper\_support\_bracket\_MUX*