

Kaymar

Fitting Instructions

Vehicle	**MU-X**
	Colorado7
Year	
Type	**Wagon**
Part	**Rear Bar**

Applicable to Part Numbers

K3945, KITMUX, KITMUX-L-JCS, KITMUX-R-JCS

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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.

MU-X

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
3. Remove two screws (one either side) from inside the wheel arches. Then remove six plastic scrivots 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 lamp

5. Gently unclip the bumper from the vehicle beginning at the wheel arch (refer Fig 3)

Fig 3



6. Sit bumper down on a soft non-abrasive surface and remove the four sensors from the bumper by pulling away the black retainer clips. Then push the sensor out of the bumper. (The two outer sensors will be reused only to cover holes - see Kaymar reversing sensor fitting) (refer Fig 4)

Fig 4



7. Remove the three metal bumper support brackets (These will not be reused) (refer Fig 5 & 6)

Fig 5



Fig 6



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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 pen the position for the cardboard template Using masking tape stick the template to the bumper as shown in Figs 7, 8, 9, 10, 11, 12 & 13 below

Fig 7

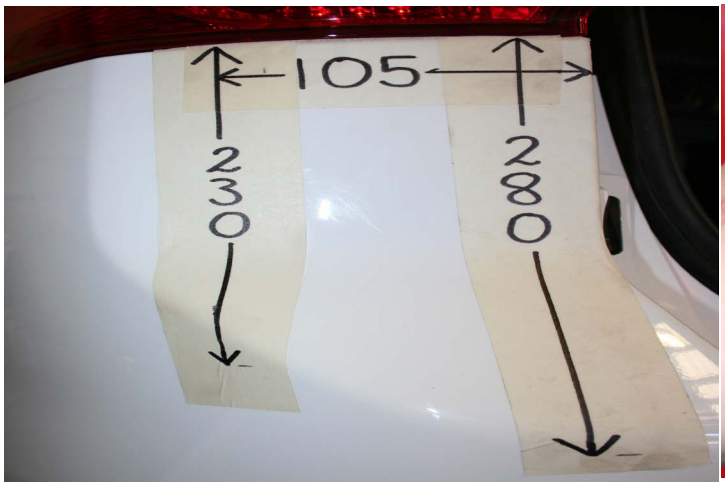


Fig 8



Fig 9

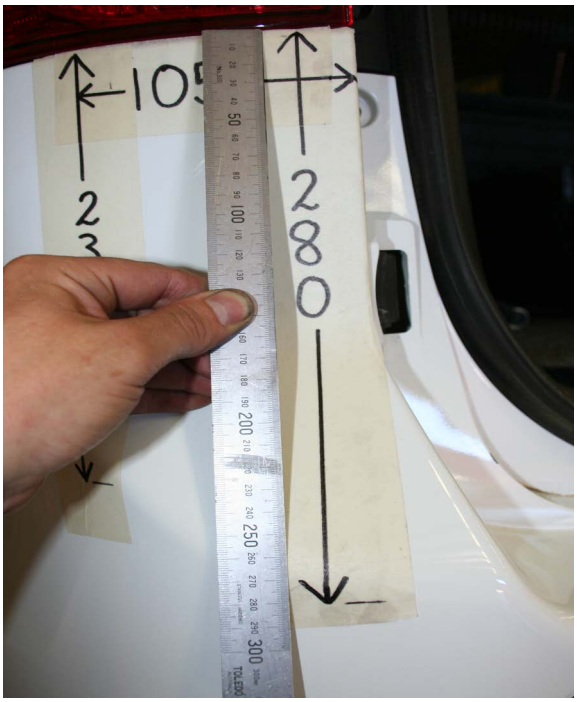
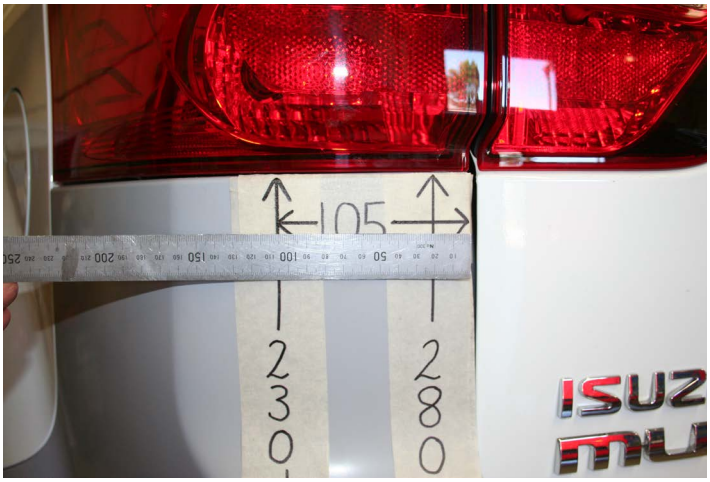


Fig 10



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Fig 11

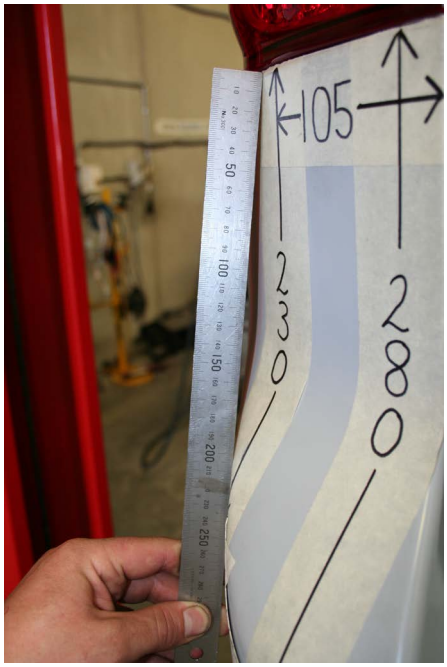


Fig 12

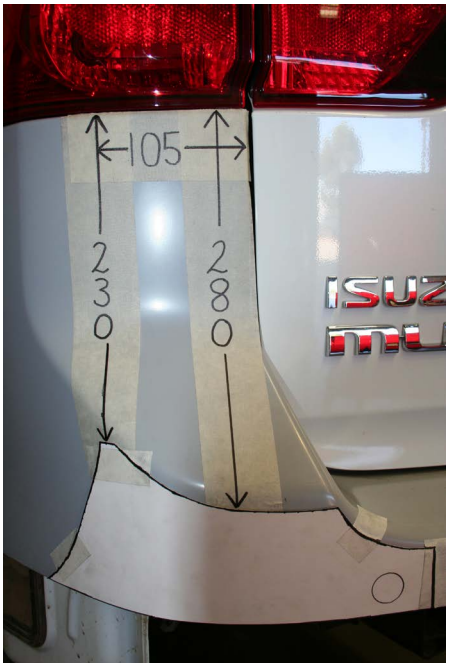


Fig 13



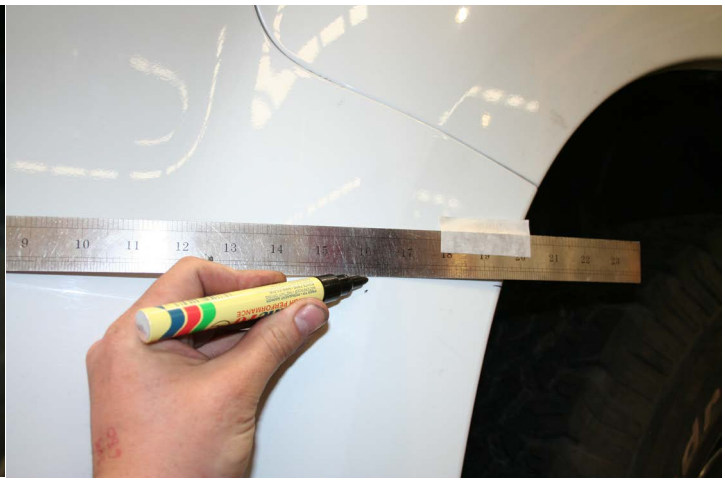
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10. At the wheel arch mark down from the top of the bumper 75mm. Using a ruler join to the template 9. line (refer Figs 14 & 15)

Fig 14



Fig 15



11. From the top of the bumper above the two sensor holes mark down 50mm, the mark should be about 3/4 of the way through the top of the sensor holes. Join the lines using a ruler

NOTE: This will be covered by pinchweld (refer Figs 16, 17, 18 &19)

Fig 16

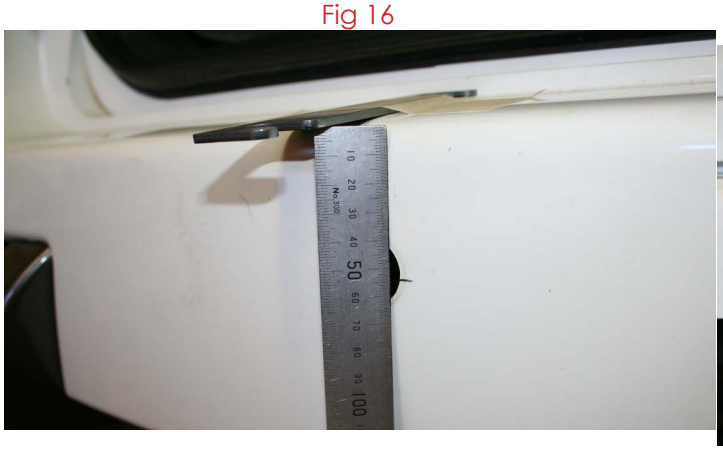


Fig 17



Fig 18



Fig 19



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12. Using a grinder with a 1mm cutting disc cut the bottom section off the bumper, starting at the wheel arch (refer Figs 20 & 21)

Fig 20



Fig 21



13. Fit pinchweld supplied to the bumper starting form the wheel arch around to the oppopsite side. The pinchweld should cover the two centre sensor holes (refer Fig 22)

Fig 22



Fig 23

14. Refit two outer sensors. These are only to fill in the holes in the bumper - DO NOT PLUG IN - see Kaymar reversing sensor fitting

(refer Fig 23)



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

Fig 24



16. Fit four M10 x 50 x 1.25, spring and flat washers to the captive nuts in the bottom of the chassis (refer Fig 24)

17. Fit the two 5mm packers (one eitherside)between the side of the chassis and the Kaymar bar. Fit the 8 washers (four either side)

18. Slide the 3mm packer between the bottom of the chassis and the bar. Do up these bolts first then tighten the remaining bolts

19. Check that the bar is straight to the 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

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Fig 25

21. 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 25)



22. If the vehicle is fitted with a camera, relocate wiring loom using the bracket purchased separately (K6220) to the same two bolts as above using the original hardware
(refer Fig 26 & 27)





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

Fig 26 & 27

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BK3945 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	PLASTIC MUDFLAP INSERT
2	SPACER 5MM MUX
2	SPACER 3MM MUX
1	WIRE TRAILER 7 CORE 1200 MM LENGTH
10	WIRE CONNECTOR MALE
1	TEMPLATE - MUX
1	WIRE TRAILER 7 CORE 1200 MM LENGTH
1	TEMPLATE COLORADO7
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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BK3945 MUX REAR BAR



spacer_5mm_square_MUX



spacer_M_3mm_MUX



chassis_insert_2_nuts_on_plate_MUX



bumper_support_bracket_MUX