

Kaymar

Fitting Instructions



Vehicle **Discovery 3 & 4**
Year
Type **Wagon**
Part **Rear Bar**

Applicable to Part Numbers

K2995, KITDISCO, KITDISCO-R-JCS,

Date published December 7, 2016

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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Discovery 3 & 4 Rear Bar

Not compatible with Hayman Reece Towbar

To Remove Original Bumper

1. Unscrew mud flaps from inside wheel arch (3 screws each side).
2. Gently pull wheel arch flare away from body starting at mud flap end. Pop the first 3 plastic clips. Leave connected at the door end.
3. Undo plastic clip at bumper end which was hidden by the flare.
4. Open tailgate and remove taillight assembly.
5. Pull out 4 plastic plugs which are hidden under the bottom of the tailgate. You need to lower tailgate half open to do this.
6. Remove 4 screws from the very bottom underneath the bumper.
Remove 2 x 6mm screws from top of bumper.

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7. Gently pull the bumper sides back and away from the vehicle starting at the mud flap end.
8. Take bumper completely off.
9. Undo the 2 black plastic clamp brackets from each side and the 2 which are under the taillight (4 x 6mm bolts each side). Fill the holes neatly with silicon.
10. Remove the 2 plastic holding brackets from the bottom of the chassis at the end of each chassis rail.

To Fit Kaymar Bar

For a better finished effect. Paint with black paint the area of the vehicle which is now exposed after removal of the original bumper. Finish the paint at the point where the bottom of the taillight sits.

1. Re-clip in the wheel arch flares and fit mud flaps back onto vehicle.
2. Fit LED stop/tail/flasher/reverse lights into bar.
3. Lay the fitting kit out on bench and lightly grease all bolts.
4. Fit bolts on wires into each chassis through the gap between the end of the chassis rail and the crossmember/towbar (exhaust pipe side of the chassis rail).
The bolt with the large slot washer goes to the bottom. When bending the wire make sure the slotted block on the bolt fits into the slot in the bottom of the chassis. If you take the time to bend the wires correctly the bolt will fit straight into the holes. Let them sit in the chassis until the bar is put onto the chassis. (refer Fig 1)



Fig 1

5. Break the plastic tab holding the wiring loom onto the top of the left hand chassis. This enables the Kaymar bar mounting plate to sit flat onto the chassis.
6. Fit the Kaymar bar onto the vehicle. Make sure all wiring is clear of mounting plates.
7. Drop the bottom bolts into their holes, make sure the slots line up. (ie: the bolt won't spin). Fit the top 2 bolts and all nuts and washers. Leave loose.

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8. Position the bar so as the ends of the side wings almost touch the mud flaps.
9. Tighten the bottom 2 bolts first. Compare each side wing with the line of the vehicle body. Some vehicles may need gold slotted spacers in between the bottom of the chassis and the lower mount plate of the bar to give an even gap each side. (refer Fig 2)

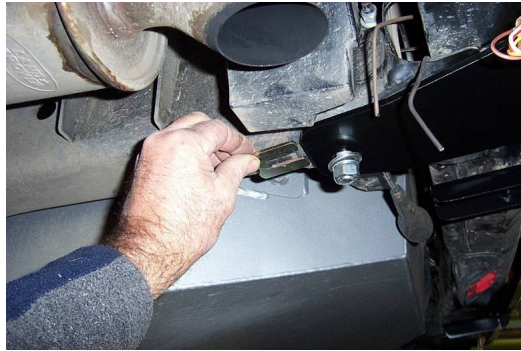


Fig 2

10. Once the sides have lined up evenly, tighten the top 2 nuts.
11. Underneath on each chassis rail there is a hole in front of each body mount bracket. Inside the hole there are two tabs which must be bent downwards to clear the hole completely.
12. Fit the curved side brace bracket to each side. The brackets sit flat against the side face of the chassis and against the body mount, fit using the M12 x 130 long bolt with a spring washer pushed through from the exhaust side (muffler can be lifted up to allow bolt to go underneath it). Fit the spacer tube into the hole in the chassis. The bolt screws into the angled plate with the nut welded to it. (refer Fig 3)



Fig 3

13. Fit the two 10mm bolts & nuts in each side wing bracket. Re-check the lineup of the bar side wings against the line of the body. The sides can be slightly lifted or pulled down at the mud flap end before tightening all bolts.
14. Fit the chequer plate and plastic bead strip using M6 round head screws.
15. Run wiring for lights in bar up to the original light housing area. Splice wiring into the original loom before the plug.

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| VEHICLE | Left Side | Right Side |
|-----------|--------------|--------------|
| Indicator | Green/Red | Green/White |
| Tail | Red/Black | Red/Orange |
| Stop | Green/Purple | Green/Purple |
| Earth | Black | Black |
| Reverse | Green/Brown | Green/Brown |

LED LIGHTS

| | |
|-----------|--------|
| Earth | White |
| Indicator | Yellow |
| Stop | Red |
| Tail | Brown |
| Reverse | Black |

16. Cover wiring with protective tubing and re-fit original light assembly. Check all lights are working correctly.
17. If vehicle is fitted with Land Rover mud flaps. Re-fit using original hardware. Drill through bottom hole in bracket located at end of bar wing and secure with M6 roof bolts and M6 whizz nut.(refer Fig 4)

Fig 4



If fitting Kaymar mud flap wing extensions. Fit using 2 X M8 x 20 bolt and M8 whizz nuts, top and bottom bracket located at end of bar wings. (refer Fig 5)



Fig 5

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If the vehicle is fitted with factory sensors these cannot be used with the steel Kaymar bar and should be, switched off at the dash board. The sensors must be then wrapped in foam sheet and secured up under the body. Refer to Kaymar sensor fitting instructions for more detail.

To fit wheel carriers or jerry can holders – see separate fitting sheet.

NOTE: Kaymar 4WD Accessories recommends that wiring connections for lights is done by a qualified automotive electrician.

BK2995 DISCOVERY 3 & 4 REAR BAR



packer_single_slot_3mm_50x50_N

| QUANTITY | DESCRIPTION |
|----------|-------------|
|----------|-------------|

| | |
|---|----------------------------------|
| 4 | PACKER SINGLE SLOT 3MM 50X50 "N" |
|---|----------------------------------|

| | |
|---|--|
| 2 | BOLT ON WIRE M14 X 35 X 1.50 300 MM WIRE |
|---|--|

| | |
|---|--|
| 2 | BOLT M14 X 50 X 1.5 PLUS BOLT PLATE AND SLOT WASHER ON WIRE 300 MM |
|---|--|

| | |
|---|-----------------------|
| 2 | BOLT M12 x 130 x 1.75 |
|---|-----------------------|

| | |
|---|-------------------|
| 2 | WASHER SPRING M12 |
|---|-------------------|

| | |
|---|---------------------|
| 4 | BOLT M10 X 30 X 1.5 |
|---|---------------------|

| | |
|---|-------------------------|
| 4 | WASHER FLAT M14 X 32 HD |
|---|-------------------------|

| | |
|---|-------------------|
| 4 | WASHER SPRING M14 |
|---|-------------------|

| | |
|---|---------------|
| 4 | NUT M14 X 1.5 |
|---|---------------|

| | |
|---|----------------------|
| 4 | WASHER FLAT M10 X 20 |
|---|----------------------|

| | |
|---|-------------------|
| 4 | WASHER SPRING M10 |
|---|-------------------|

| | |
|---|---------------|
| 4 | NUT M10 X 1.5 |
|---|---------------|

| | |
|---|--|
| 2 | BACKING PLATE 5MM "L" NUT WELDED ON M12 X 1.75 LK313 |
|---|--|

| | |
|---|-----------------------------|
| 2 | 12MM TUBE SPACER 95 MM LONG |
|---|-----------------------------|

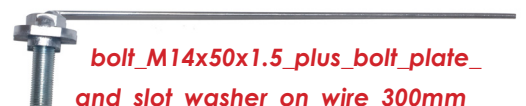
| | |
|----|---------------------|
| 10 | WIRE CONNECTOR MALE |
|----|---------------------|

| | |
|----|-----------------------|
| 10 | WIRE CONNECTOR FEMALE |
|----|-----------------------|

| | |
|---|-----------------------------------|
| 2 | WIRE TRAILER 7 CORE 420 MM LENGTH |
|---|-----------------------------------|



bolt_on_wire_M14x35x1.5_300mm_wire



bolt_M14x50x1.5_plus_bolt_plate_and_slot_washer_on_wire_300mm



backing_plate_5mm_Lnut_welded_on_M12x1.75



12mm_tube_spacer_95mm_long