

Kaymar

Fitting Instructions



Suitable for
Toyota LandCruiser 80
Year
Type
Part **LHS STD Carrier**

Applicable to Part Numbers

K1100, K1100A

Date published October 15, 2019

IMPORTANT - BEFORE COMMENCING INSTALLATION

Please verify the part number corresponds with the list above.

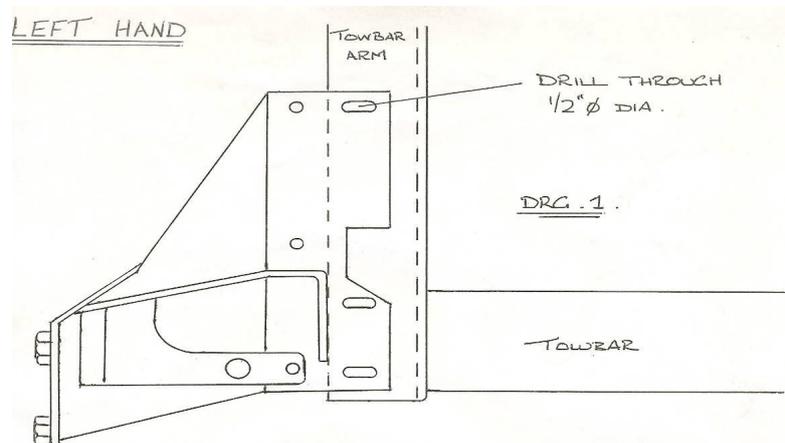
Read through these instructions and check items in the supplied fitting kit matches the attached list.

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Suitable for 80 LANDCRUISER LHS WHEEL CARRIER TO STANDARD BAR

Read 80 Series Auxiliary light instructions to ensure correct fitment sequence.

1. Remove plastic corner bumperette and mudflap on the left hand side. NB if the vehicle has a genuine Hayman Reese towbar fitted, or alternatively, no towbar at all, the next two steps are unnecessary
2. If the vehicle has a towbar fitted, which is not a H/R and it comes across to pick up the first two bolt holes in the chassis, the towbar MUST be removed and the 6mm packer welded to the first two holes, on the towbar arm must be removed. The wheel carrier bracket (No. 1) will take the place of the packer.
3. Line up the No. 1 bracket with the holes in the towbar arm and mark through the bracket onto the towbar arm (see diagram 1) the position of the foremost hole in the No. 1 bracket. Drill this out to 1/2" dia.

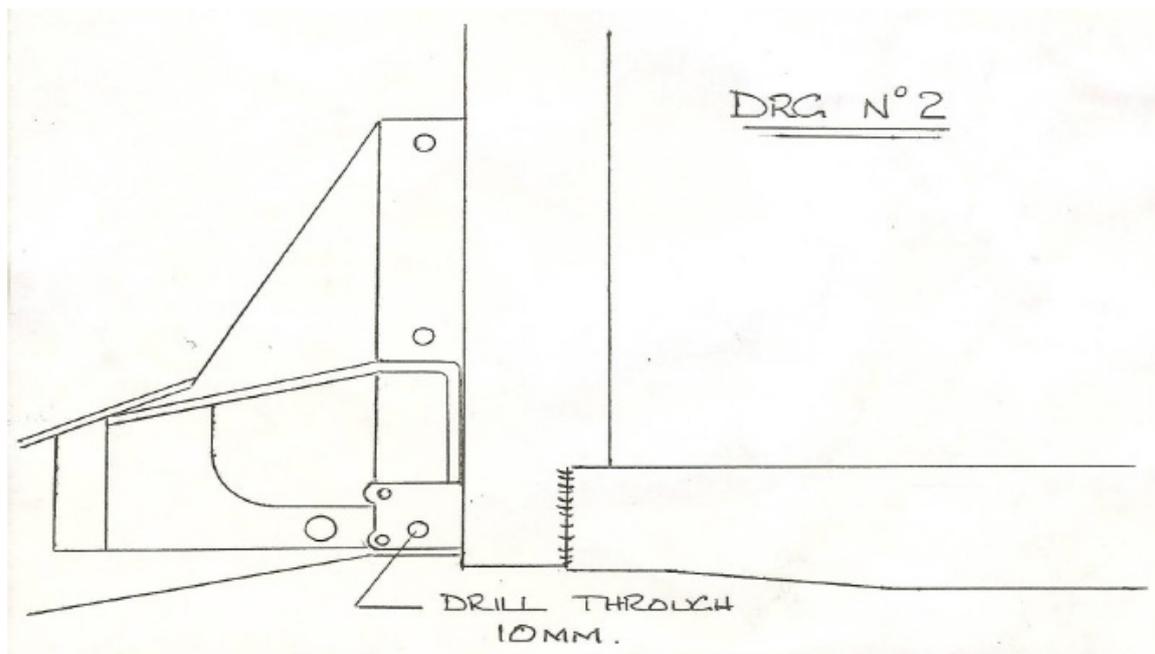


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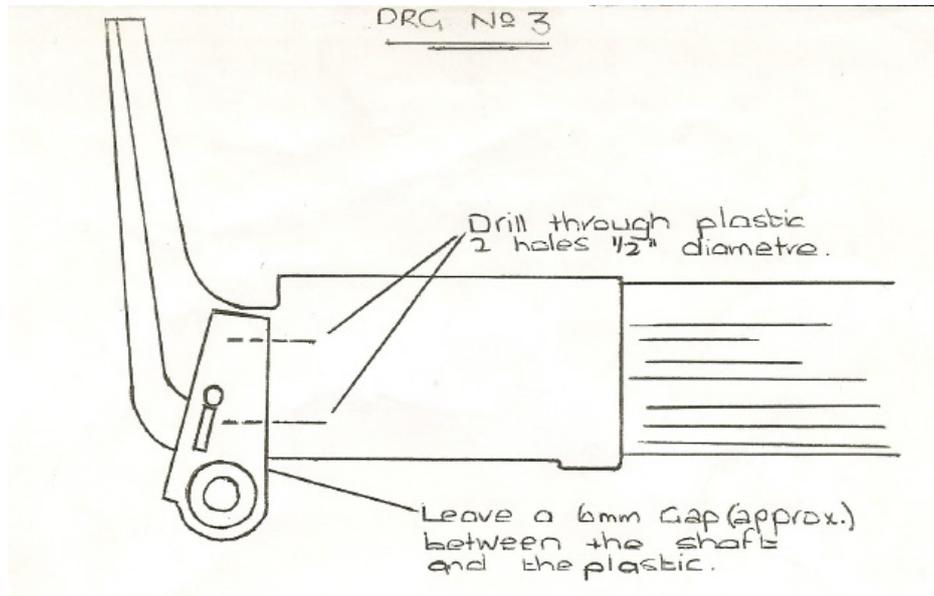
4. Fit the No. 1 bracket to the chassis using the 12mm x 35 fine thread bolts in the first two holes and the bolt on a wire in the front most hole. Do not fully tighten.
5. **DO NOT TIGHTEN THESE BOLTS**
6. Slide the flat plate with two 10mm nuts and a wire welded on into the chassis. Fit the 10mm bolts and washer through the two holes in the side of the bracket and through the chassis. These bolts screw into the welded nuts in the flat.
7. Drill a 10mm hole through the original support bracket which covers the top support arm on No. 1 bracket (see diagram 2). Fit using 10mm bolt and nut.
NOTE: if the vehicle is 10/92 onward model, the original support bracket MUST be replaced with bracket supplied, using original 8mm bolts



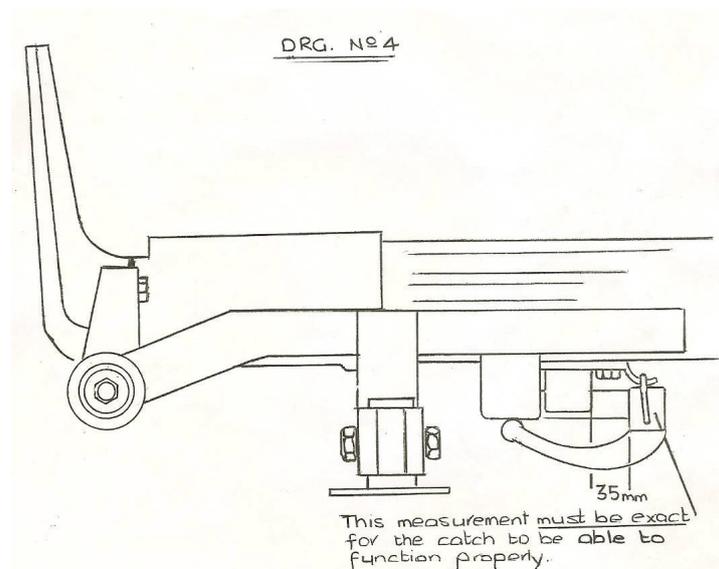
8. Tighten the two bolts through the side of the chassis first and then tighten ALL bolts on the bracket. **DO NOT TIGHTEN THE BOLT ON THE WIRE.**
9. Fit the No. 2 bracket over the plastic bumperette, mark and drill through the top two holes to 14mm dia as shown in diagram 3
10. Fit the plastic corner and mudflap onto the car using all original bolts and screws.
11. Fit the No. 2 bracket over the plastic corner as previous and loosely fit the two 12mm x 35 bolts into the tapped holes in the No. 1 bracket through the top two holes * Use flat star washers only with these bolts.
12. Fit the three remaining 12mm x 30 bolts into the three holes underneath. These line up with the No. 1 bracket.
NOTE: Slowly lower the bottom tailgate to make sure it clears the two bolts fitted in step 11, as some '80 series bodies are off centre on the chassis

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- Slide the wheel carrier onto the pivot. Fit the greased bearing, washer and nut. Tension the nut so it is firm (not tight). Fill cap with grease fit split pin and cap. Swing the carrier into the closed position and make sure it is sitting straight and the main bottom rail is parallel with the tailgate.
Tighten all bolts.
- Swing the wheel carrier into the closed position and fit the lock as shown in diagram 4. It is vital to maintain the 35mm gap for the catch to work correctly.



- Mark and drill through the chassis, the two four holes for the lock plate. Fit with 2 x 10mm bolts supplied, into the flat plate which has 2 tapped holes. This must be passed into the chassis from behind and lined up with the holes in the catch plate 16. Fit the spare wheel onto the carrier. Fit and wire the auxiliary lights supplied. (see auxiliary light fitting sheet)

If you removed your towbar you can now refit it.

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First – remove the two fine thread bolts from the bottom of the corner bracket and the nut from the bolt on wire.

Lift the towbar into its original position being very careful to line up the bolt on the wire through the new hole you drilled in the towbar arm. All bolts can now be re-fitted and tightened.

17. The number plate is to be relocated using the number plate bracket supplied, in the centre of the wheel. Fitting instructions for the bracket and light are found in the yellow number plate light box.
18. Padlock fitment
If fitting a padlock ensure you secure with a cable tie to avoid rubbing or touching paintwork on tailgate.

Number Plate Mounting

Ensure the number plate is mounted tight against the tyre and the wiring for the light is passed through the spare wheel as shown.



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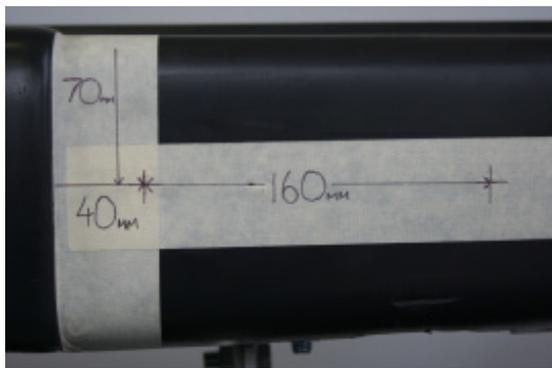
Fitting Instructions



AUXILIARY LIGHT FITTING

For LandCruiser 80 Series when fitting a Kaymar Standard Carrier

To be done while bumperette is off vehicle.



1. Mark bumperette as per photo. Drill two outer holes to 6mm and hole for wiring to 10mm, in centre of two outer holes.
2. Fit light to bumperette, using M5 screw plus M5 whizz nut supplied.
3. Fit terminals and connect to wiring harness.
4. Repeat other side. This can be done while bumperette is still on vehicle.

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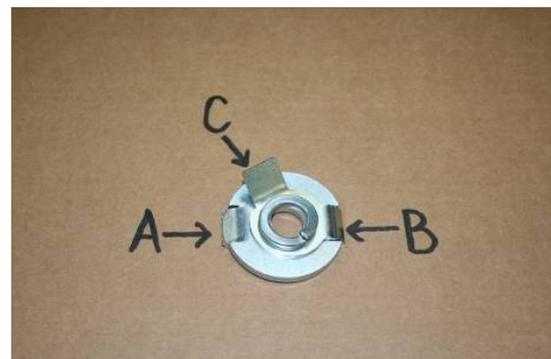
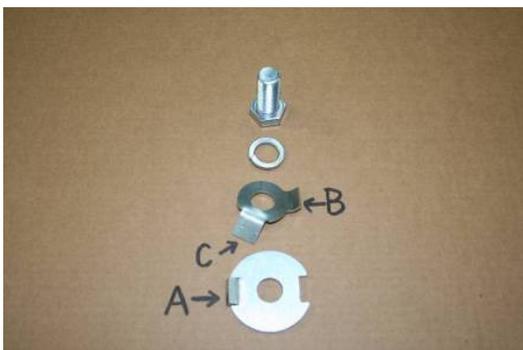
Fitting Instructions



LOCK TAB WASHER

1. Fit the top slide (wheel holder) into the wheel carrier.
2. Fit spring washer and small lock tab washer onto 16mm bolts.
3. Fit large 5mm thick washer onto bolt with lug (A) facing away from the head of the bolt.
4. Apply a thin film of grease to the bolts.
5. Screw 16mm bolt through the slots in the wheel carrier housing into the top slide. Make sure that the lug (A) fits into the slot first. Make sure you fit both bolts.
6. Fit the wheel and wheel lock plate.
7. Open the wheel carrier and stand behind it. PULL THE TYRE INTO THE CARRIER FRAME SO THAT THE TYRE SITS HARD AGAINST THE FRAME.
8. Tighten the two 16mm bolt to at least 140nm, make sure tab (B) fits into the cut-out in the 5mm washer.
9. Continue turning the bolt unit one flat on the hexagon is aligned with tab (C) of the lock tab washer.
10. Flatten tab (C) onto a flat of the hexagon on the bolt head. Do the same with bolt bolts. Make sure the whole tab sits flat on the bolt head.

THIS MUST BE DONE



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Fitting Instructions



BK1100 80 SERIES LHS STANDARD CARRIER

QUANTITY	DESCRIPTION
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1	BOLT M12 X 35 X 1.75
2	BOLT M12 X 30 X 1.75
2	BOLT M12 X 35 X 1.25 FINE THREAD
5	BOLT M10 X 30 X 1.5
5	WASHER FLAT M12 X 30 HD
5	WASHER SPRING M12
1	WASHER STAR M12
5	WASHER FLAT M10 X 20
5	WASHER SPRING M10
1	NUT M12 X 1.75
1	NUT M10 X 1.5
1	NUT M8 X 1.25
1	BOLT ON WIRE M12 X 35 X 1.75 300 MM WIRE
1	BACKING PLATE - 2 X 10MM WELD NUTS ON 300 MM WIRE LK829L
1	CHASSIS REPLACEMENT BRACKET L
1	BACKING PLATE 2 MM NUTS WELDED ON - 10MM X 2 - LK269A
1	CATCH SLIM LINE
1	DUST CAP FOR CARRIERS
1	BEARING SMALL SILVER FOR STANDARD CARRIER
1	WASHER FLAT - BEARING FOR PIVOT
1	NUT CASTLEATED FOR CARRIER PIVOT
1	SPLIT PIN FOR CARRIER PIVOT
1	REFLECTOR
1	3M PLASTIC STICKER



bolt_on_wire_M12x35x1.75_300mm_wire



backing_plate_2x_10mm_welded_nuts_on_300mm_wire



backing_plate_2mm_nuts_welded_on_10mm_x2



chassis_replacement_bracket_L

BK1100 80 SERIES LHS STANDARD CARRIER



chassis_replacement_bracket_L



bolt_on_wire_M12x35x1.75_300mm_wire



backing_plate_2x_10mm_welded_nuts_on_300mm_wire



backing_plate_2mm_nuts_welded_on_10mm_x2