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Fitting Instructions for Wing Top Shovel Mount Kit

Part Nr. RNA691MK

Fits:

Series or Defender

READ ALL INSTRUCTIONS COMPLETELY BEFORE BEGINNING!

Introduction

Everything needed to mount your Expedition shovel to the wing-top of your Series or Defender Land Rover.

Kit includes all brackets, pads, straps and hardware. Does not require wing top protectors. Kit does not include shovel.



Suggested Tools

- Tape Measure
- Marker, Pencil
- Drill
- 3/16" Drill Bit
- Small Center Punch
- Hammer
- Pop Rivet Gun



Pop Rivet
Gun



Hammer



Marker,
Pencil or
Pen



Tape
Measure or
Ruler



Small Center
Punch



Metal
Drill Bit
3/16"



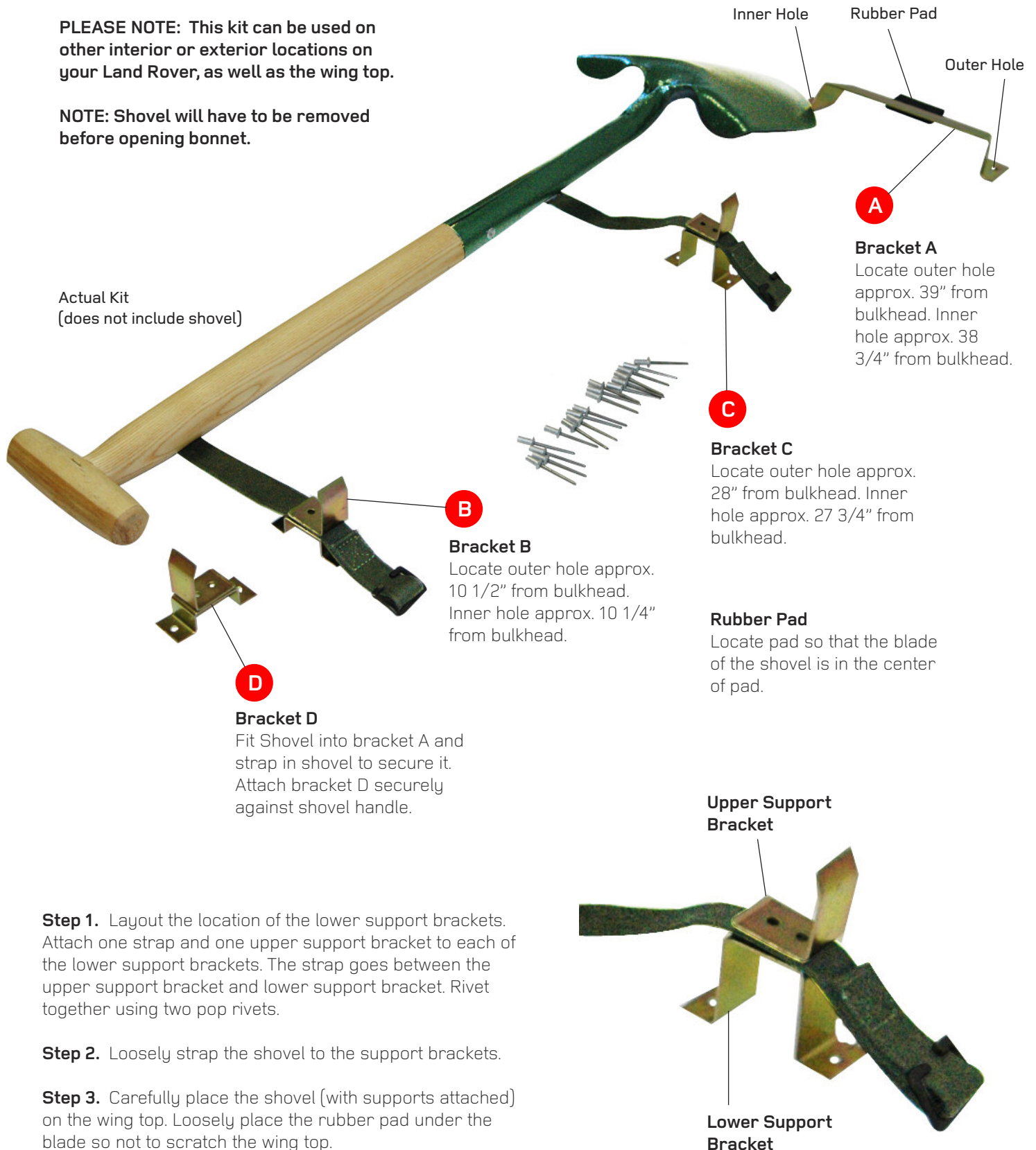
Drill

Fitting Instructions for Rear Moulded Interior Door Panel Assembly for Defender

PLEASE NOTE: This kit can be used on other interior or exterior locations on your Land Rover, as well as the wing top.

NOTE: Shovel will have to be removed before opening bonnet.

Actual Kit
(does not include shovel)



A
Bracket A
Locate outer hole approx. 39" from bulkhead. Inner hole approx. 38 3/4" from bulkhead.

C
Bracket C
Locate outer hole approx. 28" from bulkhead. Inner hole approx. 27 3/4" from bulkhead.

B
Bracket B
Locate outer hole approx. 10 1/2" from bulkhead. Inner hole approx. 10 1/4" from bulkhead.

D
Bracket D
Fit Shovel into bracket A and strap in shovel to secure it. Attach bracket D securely against shovel handle.

Rubber Pad
Locate pad so that the blade of the shovel is in the center of pad.

Upper Support Bracket
Lower Support Bracket

Step 1. Layout the location of the lower support brackets. Attach one strap and one upper support bracket to each of the lower support brackets. The strap goes between the upper support bracket and lower support bracket. Rivet together using two pop rivets.

Step 2. Loosely strap the shovel to the support brackets.

Step 3. Carefully place the shovel (with supports attached) on the wing top. Loosely place the rubber pad under the blade so not to scratch the wing top.

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Step 4. Place the shovel blade bracket "A" so that it is firmly against the shovel blade. This distance is approximately 39" from the bulkhead to center of outer hole. Inner hole will be approximately 38 3/4" to bulkhead. This measurement may vary due to the curve of the shovel. (All measurements in this instruction set are approximate, and vary per vehicle. We strongly suggest that you lay out the two handle support brackets, blade bracket and rubber pad with the measurements given before drilling any holes.)

Step 5. Place bracket "B" approx 10 1/2" from the bulkhead and center on the outer mounting hole. Inner hole should measure approximately 10 1/4" from bulkhead.

Step 6. Locate bracket "C" just forward of the wing top air intake (on Defenders) which should be approximately 28" from the bulkhead to the center of the outer hole. Inner hole should be approximately 27 3/4" from the bulkhead.

Step 7. Locate the tool pad so the tip of the shovel blade is in the center of the pad. Tighten straps.

Step 8. Position bracket D so that it holds the handle of the shovel securely in place.

Step 9. Now mark your holes for drilling.

Step 10. Drill all your holes using a 3/16" bit.

Step 11. Remove shovel from the support brackets for ease of bracket attachment.

Step 12. Place rivets down through the appropriate holes. Place one washer (supplied with kit) on the back side of the rivets before squeezing the rivets in place. **Note:** Washers may not be needed if your vehicle has wing-top protectors.

Step 13. Once riveting is done, insert shovel blade first then tighten straps.