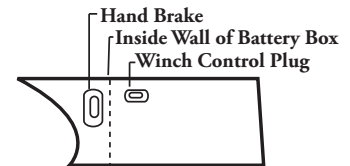
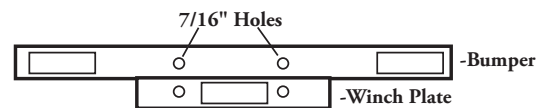
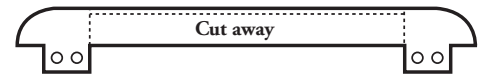




T H E S P E C I A L I S T S I N L A N D R O V E R S • U S A

## Mounting Instructions for Warn 9000lb Winch Defender 90

1. Remove radiator grille.
2. Remove bumper. If vehicle has a Brush Bar, remove both as one piece.
3. Unbolt tow rings and replace bolt with grade 8 bolts, included in kit. DO NOT bolt back at this time.
4. Cut out bottom of bumper between bumper mounts.
5. Cut 1 1/2" off the bottom of the radiator grille panel between the frame rails.  
This will allow the winch to sit up in place.
6. Fit winch plate up into bumper to location bolt holes. (drill 7/16" hole)
7. Bolt winch and winch plate to bumper and refit bumper and winch to vehicle using grade 8 bolts from kit.
8. Pull up left seat bottom and battery box cover.
9. Remove tape from hole on right side of battery box and install grommet.
10. Run cable through grommet from control box and run the cable along top the chassis on left side and between bottom of radiator and chassis in the front.
11. Locate control box under grommet and drill two holes 5/16" and bolt control box in place.
12. Drill 7/8" hole in the top right of battery box. Near hand brake lever, install control plug using the rivets that are provided.
13. Connect cables to winch: A to A; F1 to F1; F2 to F2
14. Connect wires from control box to control plug:  
Green to Green; Black to Black; White to White and Brown to Brown.
15. Connect ground cable from winch and the ground wire from the solenoid pack to the negative battery terminal.
16. Connect red battery cable from control box to positive battery terminal.



### IMPORTANT:

The current vehicle battery may not be adequate for use with this winch. It is very important that you replace it with a group 31, 12 volt battery with a minimum 1000 cold start cranking amps.

### Hardware List:

- |                                   |                        |
|-----------------------------------|------------------------|
| (1) Grommet 2"x 1/2"              | (4) 5/16" Flat washers |
| (4) 6" Cable ties                 | (2) 1/4 24x 3/4" bolt  |
| (2) 3/8 16x 1 1/2" bolt           | (2) 1/4 24 Nut         |
| (2) 3/8 24 x 5 1/2" bolt bowalloy | (2) 1/4 Washer         |
| (2) 3/8 24 Nylon Insert Lock-Nut  | (2) 1/4 Lock Washer    |
|                                   | (2) Pop Rivets         |

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# Instructions Questionnaire

We rely on our customers to help us continually improve our instruction sheets. Please FAX or mail any comments, questions, or ideas for improvements you may have.

Send To: Rovers North  
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Your Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_  
Email Adrs: \_\_\_\_\_

Instruction part number (top right corner) or description of what instructions are: \_\_\_\_\_  
Overall, how would you rate the quality of this set of instructions? (please circle one):

Poor		Fair		Good		Very Good		Excellent	
1	2	3	4	5	6	7	8	9	10
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Ideas, Comments, or Corrections (please include specifics, such as page number, or step number):

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**THANK YOU!**

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