



# INSTALLATION INSTRUCTIONS

## Hidden Winch Skirt Kit For 2011 Ford Super Duty **Kit 84520**

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

**CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.**

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

**⚠ WARNING** signals a hazard that could cause serious injury or death, if you do not follow recommendations.

**⚠ CAUTION** signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **Note**: to emphasize general information worthy of special attention.

### **⚠ WARNING**

#### **INJURY HAZARD**

**Failure to observe these instructions could lead to severe injury or death.**

- Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- Always** wear safety glasses when installing this kit. A drilling operation will cause flying material chips. Flying chips can cause eye injury.
- Always** use extreme caution when cutting and trimming during fitting.
- Always** remove jewelry and wear eye protection.
- Always** insure components will remain secure and adequately supported during installation and operation.
- Always** tighten all nuts and bolts securely, per the installation instructions.
- Always** replace all worn or damaged parts before operating.
- Never** operate this WARN product with damaged or missing parts.

### **Notice**

#### **Equipment Damage**

- Always** refer to the Operator's Manual, supplied in the winch kit, for all wiring schematics and specific details on how to wire a WARN winch product to your vehicle.

**Read Operating Manual thoroughly.**

**This WARN Hidden Winch Skirt Kit** is designed to handle enhance the appearance of your vehicle when the Semi-  
Hidden kit is installed.

### **Before You Begin**

- Read and understand these Installation Instructions.
- Refer to Figure A to become familiar with the components and hardware in this kit.

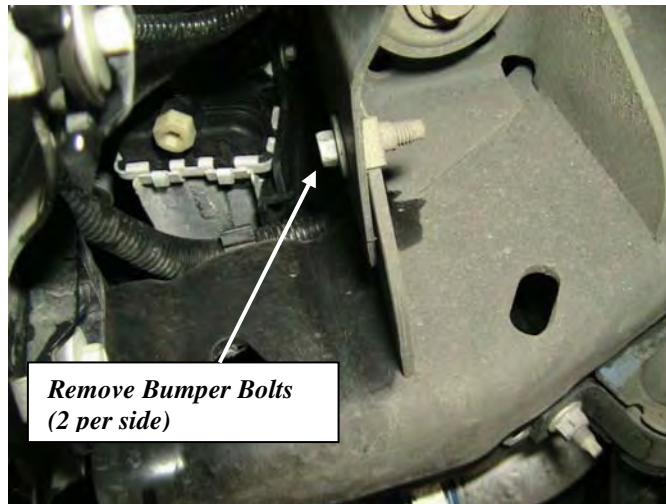
### **PARTS LIST**

<u>PART NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
84742	1	Skirt Center Cap
84743	1	LH Bumper Top Cap
84744	1	RH Bumper Top Cap
84746	1	LH Bumper End Cap
84749	1	RH Bumper End Cap
84751	1	Hardware Kit for Skirt Kit

These installation instructions are the same as the instructions provided with the Hidden Kit. If you are currently installing the Hidden Kit and the Skirt Kit at the same time, it is best to follow the instructions provided with the hidden kit because it covers the entire installation of both kits. These instructions are designed for the person who has already installed the winch kit but did not install the skirt kit at the same time.

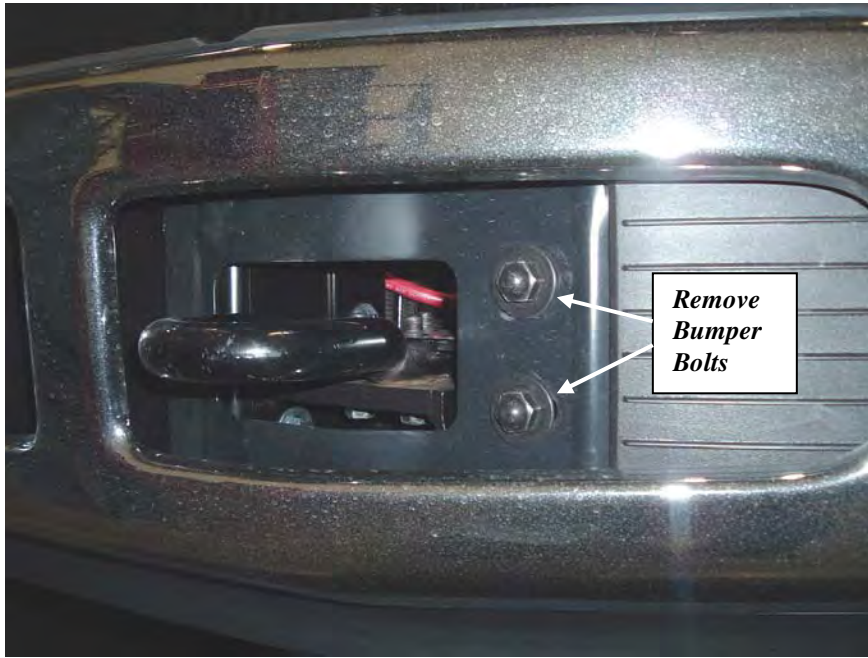
### **Vehicle Disassembly (If bumper is already removed skip to step 7)**

1. Disconnect the fog lamps if equipped.
2. Detach any other wires or cables that are connected to the bumper such as block heater cables. Remove and discard the rubber air deflector flap if applicable.
3. Remove and discard the front license plate and bracket if equipped.
4. Remove the bolts attaching the bumper end brackets to the frame. The brackets should be left in place on the bumper. **See Figure 1**



**Figure 1: LH Bumper Bracket Bolt**

5. Remove the (4) front mounting bolts (2 outboard of each tow loop) and remove the bumper. Place the bumper face down on a protective surface. The bolts and nut plates will be reinstalled later. **See Figure 2**



**Figure 2: LH Front Bumper Bolts**

6. Remove the (3) bolts securing each tow loop/bumper bracket to the frame. Remove the tow loops. Note left and right tow loops for later installation.

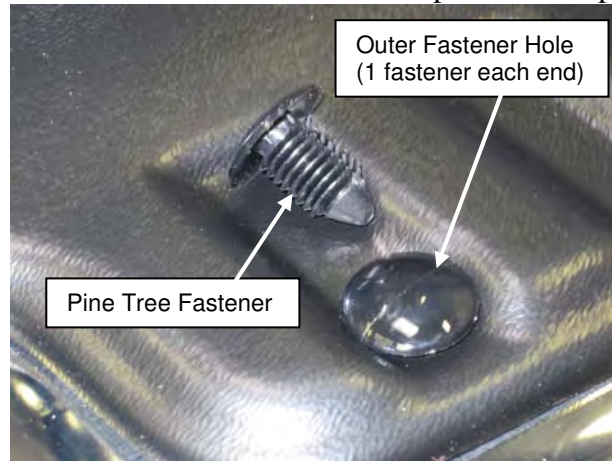
**Skirt Kit Installation:** If you are installing the optional Skirt Kit you should do so now. Using clamps as shown in the following pictures will ease assembly and improve alignment of all plastic skirt parts.

7. Remove OEM Bumper Tread Caps from top of bumper. Use fingers or pliers to squeeze retainer tabs and push retainers through slots in bumper. Bumper cap treads will not be reinstalled.



**Figure 3: Bumper Tread Caps**

8. Place center skirt piece on bumper and install outer pine tree fasteners through the corner holes and into slots in bumper. Align the center piece to match the contour of the bumper and clamp in place.



**Figure 4: Pine Tree Fastener Example.**

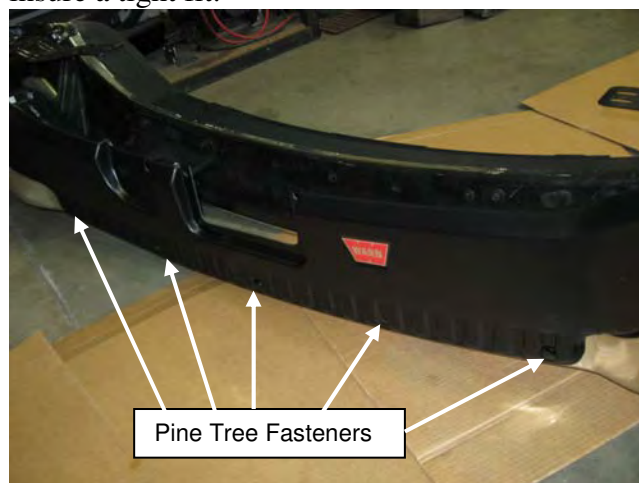
9. Mark hole locations on skirt flange for holes shown in Figure 5.



**Figure 5: Bumper Flange hole location. (Driver side shown)**

10. Remove pine tree fasteners and the center skirt piece (discard pine tree fasteners) and drill 5/16" holes through each of the locations marked in step 9.

11. Reinstall and align the center skirt piece and install 5 pine tree fasteners through holes in front edge and into slots in bumper. Press firmly to insure a tight fit.



**Figure 6: Pine tree fastener locations.**

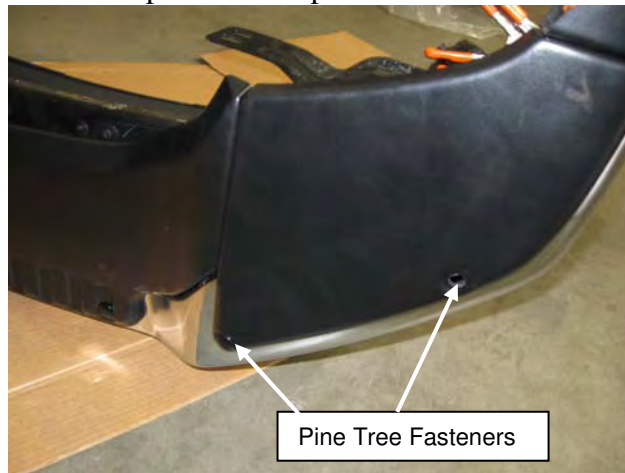


12. Install 1/4" hardware in each hole. Use 1/4" flat washers on both sides of the holes. It is only necessary to "snug" these fasteners. Over tightening will fracture the plastic Skirt.



**Figure 7: 1/4-20x3/4" Fastener. (Driver side shown)**

13. Install the top bumper caps and hold in place with 2 pine tree fasteners each.



**Figure 8: Top Cap Pine Tree Fastener installed.**

14. Install clamps as shown in Figure 9 and align panels for best appearance and alignment.



**Figure 9: Clamp Top Cap to Center Skirt Piece.**

15. Drill 5/16" holes through flanges of top cap and center piece.

16. Install 1/4" hardware in each hole. Use 1/4" flat washers on both sides of the holes. It is only necessary to "snug" these fasteners. Over tightening will fracture the plastic Skirt.

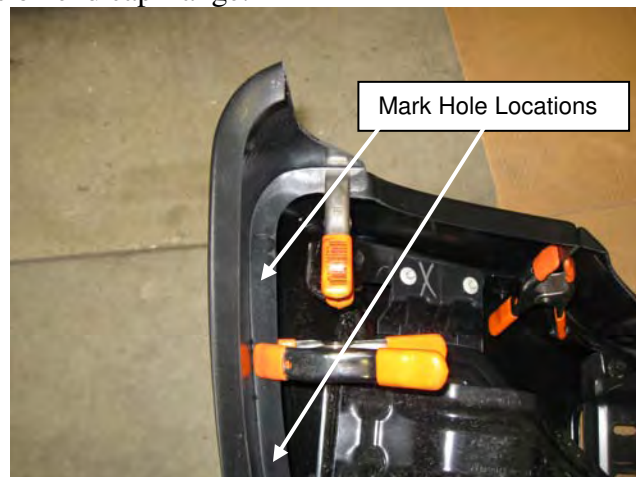


**Figure 10: Fasteners installed.**

17. Drill two 1/4" holes through the flanges in the each end of the bumper. Holes should be about 3" to 4" apart and be centered between the outer and inner edges of the flange.

18. Clamp bumper end caps onto the end of the bumper and align to match top caps for best appearance.

19. Mark bumper hole locations on end cap flange.



**Figure 11: Mark End Cap hole locations from backside.**

20. Remove end caps and drill 5/16" holes at locations marked in step 19.

21. Clamp bumper end caps back onto bumper end and align as in step 18.

22. Drill a 5/16" hole through top flange of each end cap and the flange of each top cap. See figure 12.



**Figure 12: End Cap Installation. (Bumper flange holes not shown)**

23. Install 1/4" hardware in each hole. Use 1/4" flat washers on both sides of the holes. It is only necessary to "snug" these fasteners. Over tightening will fracture the plastic Skirt.

24. Place the bumper into position. Lift the bumper so the top bumper flange fits over the top winch mounting bolts of the Winch Carrier. The bumper can then be rotated into place so the fairlead mounting surface extends through the opening in the bumper.

**NOTE: The Skirt is attached to the bumper so use caution when installing the bumper to avoid damaging the skirt. Never attempt alone. Skirt parts can be removed if needed to ease installation but attaching fasteners and aligning the pieces will be more difficult.**

25. Install the (4) original front bumper bolts and nut plates through the bumper, 1/4" spacer and tow/bumper brackets. Center and level the bumper and tighten the hardware.



Figure 13: Bumper installed and leveled.

26. The mounting kit installation is complete. Refer to the Winch Operator's Manual to complete the winch installation.



Figure 15: Fairlead and bumper installed

**⚠ WARNING**

**PERFORM REGULAR INSPECTIONS ON THE WINCH, WINCH MOUNT, AND RELATED HARDWARE. NEVER OPERATE THE WINCH OR WINCH MOUNT WITH DAMAGED OR MISSING PARTS. FAILURE TO FOLLOW THIS WARNING MAY CAUSE VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.**