

19. Move the accelerator, brake, and clutch pedals through their full range of motion to confirm there is no interference with the Minimizer floor mat.

20. Confirm that the hook is fully engaged into the passenger mat and that the hook is adhered to the floor.

21. Prior to operating the vehicle, read the Safety Instructions for Vehicle Operation.

22. FAILURE TO CORRECTLY INSTALL AND USE YOUR MINIMIZER FLOOR MATS ACCORDING TO THE INSTRUCTIONS ABOVE COULD PREVENT PROPER FUNCTIONING OF THE VEHICLE'S PEDALS, POTENTIALLY RESULTING IN LOSS OF CONTROL OF THE VEHICLE AND SERIOUS INJURY OR DEATH.



**LEAVE YOUR MARK
ON THE WORLD
NOT YOUR FLOOR.**

MINIMIZER FLOOR MATS

• **TESTED AND TORTURED™** •
DAILY BY TRUCKERS FOR TRUCKERS



Disclaimer: Minimizer custom molded floor mats are not Freightliner, Western Star, and Sterling goods and FREIGHTLINER, WESTERN STAR, and STERLING are federally registered marks of Daimler Trucks North America.



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MINIMIZER PRODUCTS

• **TESTED AND TORTURED™** •
DAILY BY TRUCKERS FOR TRUCKERS

Since inventing the poly fender back in 1984, Minimizer™ has grown from a one-product company into the leader in heavy duty aftermarket parts. Boasting an array of Tested & Tortured™ products, from Custom Molded Floor Mats to the Long Haul Series™ Truck Seat and Mattress, our goal is to #RespectTheDriver. We do this by stamping premium products with our standard Lifetime Warranty. The Minimizer logo means it is built to last, and sends a very clear message to your customers and competitors that you're well-equipped to handle even the harshest conditions in one of the toughest industries.



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IMPORTANT SAFETY INFORMATION

READ BEFORE INSTALLING OR USING MINIMIZER FLOOR MATS

FKSTAR1B, FKSTAR2B, FKSTAR3B ARE COMPATIBLE WITH THE FOLLOWING WESTERN STAR MODELS:

- **FKSTAR1B is compatible with** Western Star Model 4900EX – 1998-2016
- **FKSTAR2B is compatible with** Western Star Models: 4900SA 4900FA, 4900SF, 4900SB – 2012-2016
- **FKSTAR3B is compatible with** Western Star 4900SA, 4900FA, 4900SF, 4900SB – 1998-2011*
 - * FKSTAR3B passenger mat requires hand trimming. Refer to installation step 15 for details.
 - **Not compatible with 2016 trucks equipped with firewall mounted throttle pedal.

Safety Instructions for Installation

- Use only with the specified vehicle make, model and year.
- Do not install on top of other floor mats.
- Install each floor mat with the Minimizer logo facing up.
- Use each floor mat only in its proper location in the vehicle.
- Install and use a retention hook for the driver side floor mat.
- Make sure that the floor mats fit properly in your vehicle floor space.
- Do not place additional floor mats on top of the Minimizer floor mats.
- Carefully follow each of the Installation Instructions for Minimizer Floor Mats on the following pages.

Safety Instructions for Vehicle Operation

- Before starting or operating the vehicle, verify that the Minimizer floor mats are installed correctly, that the driver side mat is secured by a retention hook, and that the driver side mat does not interfere with the accelerator, brake, or clutch pedal.
- Make sure there are no loose objects in the vehicle that could possibly interfere with the operation of the accelerator, brake, or clutch pedal.
- If your Minimizer floor mat becomes loose, stop the vehicle at the next safe location. Re-install the floor mat properly and securely. If that is not possible, remove the floor mat and place it in a location where it will not interfere with safe operation of the vehicle.
- Inform all drivers of these warnings before allowing them to operate a vehicle equipped with Minimizer floor mats.

If you have questions about these instructions or proper installation of your Minimizer floor mats, please contact Minimizer at (800) 248-3855.

Minimizer floor mats are specifically designed for certain vehicles and may be used safely only with those vehicles. **VERIFY THAT THE MAKE, MODEL, AND YEAR OF THE VEHICLE IN WHICH YOU ARE INSTALLING THE FLOOR MATS IS IDENTIFIED ON PAGE 1 AS BEING COMPATIBLE WITH THE MINIMIZER FLOOR MATS YOU HAVE SELECTED.**



Minimizer®

Item # 103389

April 2019

WESTERN STAR FLOOR MAT KIT SPECIFICATIONS:

• Kit FKSTAR1B shown in Figure 1 is compatible with 1998-2016 Western Star 4900EX trucks.

Figure 1 - FKSTAR1B Contents



• Kit FKWS2B is compatible with 2012-2016 Western Star 4900SA, 4900FA, 4900SF, 4900SB.

Figure 2 - FKSTAR2B Contents



• Kit FKWS3B is compatible with Western Star 4900SA, 4900FA 1998-2011

* FKSTAR3B passenger mat requires hand trimming. Refer to installation step 15 for details.

Figure 3 - FKSTAR3B Contents



INSTALLATION INSTRUCTIONS:

1. Remove other floor mats from the vehicle before installing Minimizer floor mats.
2. Install the Minimizer floor mats right side up, with the Minimizer logo visible.
3. Each Minimizer floor mat is contoured to fit a particular location in the vehicle and may be used safely only in that location.

4. The Minimizer floor mat package contains one driver side mat and one passenger side mat.

5. Position the driver mat in the truck as shown in Figure 4.

Figure 4 - Driver Mat Position



• The driver mat must be pushed all the way forward so the front lip is making full contact with the doghouse trim panel and fire wall.

• Model year 1998-2011 trucks have a throttle pedal with an aluminum base. The (FKSTAR3B) driver mat surfaces are designed to slide underneath the aluminum base of the throttle pedal as shown in Figure 5.

Figure 5 - FKSTAR3B Driver Mat Installation



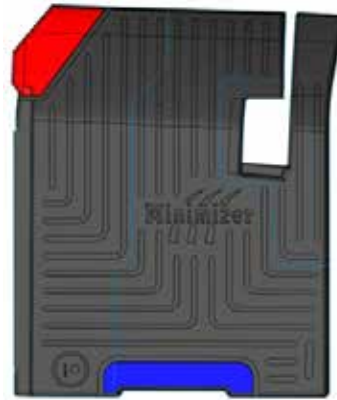
• In some cases a steel or plastic electrical enclosure will be mounted on the floor area in the left front corner of the cab as shown in Figure 6. If the electrical enclosure is present, the left front portion of the driver mat will need to be hand trimmed along the raised rib. The area to trim is shaded red in Figure 7.

Figure 6 - Driver Side Electrical Enclosure & Floor Mat



• The driver mat is designed to fit the most common OEM seats. Trucks that are equipped with non-standard aftermarket seats may require hand trimming at the time of installation. If needed there is a raised rib molded into the driver mat to use as a trim guide. The area shaded blue shown in Figure 7 is the portion to be removed. Use a sharp utility knife to remove this portion.

Figure 7 - Driver Mat Trimming Diagram



6. Inside the package with the installation instructions, locate two black plastic retention hooks and a white tube of Primer 94 as shown in Figure 8.

Figure 8 - Hook and Primer 94



7. Insert hook up through the hole in the right rear corner of the driver side floor mat. The hook should fit flush with the underside of the floor mat.

8. Once the hook is in place, let the driver mat and hook rest on the floor as shown in Figure 9. Next, confirm that the mat is not interfering with foot pedals and verify it is making proper contact with the surfaces surrounding the floor. Mark the approximate position where the hook needs to be attached to the floor. Once the position is located, remove the driver mat from the truck.

Note: For trucks with carpeted floors attach the retention hook to the steel base of the driver

seat. Mark a location on the seat base that is suitable for the hook and trim an opening into the outer wall of the floor mat where the hook can be inserted into the mat. Follow the same cleaning and adhesion process that is outlined in steps 9-14. Another option is to attach the hook is to drill a hole in the seat base and use a machine screw. Screws are not provided in the kit.

Figure 9 - Driver Mat Hook Installation



9. Unpack the tube of Primer 94 and read the safety precautions printed on the tube.

10. Activate the tube of Primer 94 by crushing the tube at the black dot.

11. Clean all dirt or debris off the truck floor and apply Primer 94 to the truck floor area where the hook will be attached.

12. Allow the Primer 94 to dry on the truck floor for five minutes.

13. Install the driver mat in the truck with the hook inserted. Next, peel away the paper backing from the hook.

14. While holding onto neck of the hook, lower the driver mat into position and stick the hook to the floor. Apply firm pressure to the hook as shown in Figure 10 for 30 seconds to ensure a proper bond to the rubber floor.

Figure 10 - Apply Pressure to Hook



15. Position the passenger mat in the truck. Make sure the passenger mat is pushed all the way forward so the outside lip makes full contact with the doghouse trim panel and fire wall.

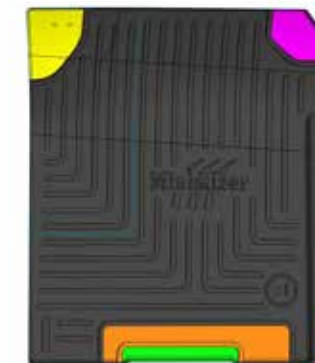
Notes: Some trucks may be equipped with a High capacity HVAC unit. This unit is larger than standard and has pipes that go through the floor as shown in Figure 11. In order for the passenger mat to fit around the pipes, the purple shaded area of the passenger mat shown in Figure 12 will need to be trimmed off. Trim along the raised rib with a knife preserving the tall rib for liquid containment purposes.

Figure 11 - High Capacity HVAC Unit



• For Western Star models 4900SA, 4900FA, 4900SB, 4900SF years 1998 - 2011 the yellow shaded area shown in Figure 12 will likely need to be hand trimmed along the raised rib at the time of installation. Test fit the mat before trimming to confirm.

Figure 12 - Driver Mat Trimming Diagram



• The passenger floor mat is designed to accommodate both fixed seats and suspension seats. Trucks that are equipped with a fixed base

passenger seat as shown in Figure 13 will need to be hand trimmed prior to installation. There are two raised ribs molded into the driver mat to use as a trim guides. Test fit the mat prior to trimming to determine which area to trim. Use a sharp utility knife to trim along the outside edge of the rib preserving the rib for liquid containment.

Figure 13 - Fixed Passenger Seat (Hand Trimming Required)



16. Once the passenger mat is in position, install the passenger mat hook. For trucks with rubber floors use the same process listed in steps 7-15 above. For trucks with carpeted floors install the hook at the right front corner of the passenger side area as shown in Figure 14. There is a small oval shaped trim line visible on the outside perimeter of the mat where the hook opening should be trimmed. Follow the same basic steps to prime the steel surface and attach the hook to the cab.

Figure 14 - Fixed Base Passenger Seat with Trimmed Mat



17. Confirm that the retention hook is fully engaged into the driver mat and that the hook is adhered to the floor. If the driver mat hook is not functioning properly or the mat cannot be securely installed, do not use a Minimizer floor mat on the driver side of the vehicle.

18. FAILURE TO PROPERLY INSTALL THE RETENTION HOOK FOR THE DRIVER SIDE FLOOR MAT MAY ALLOW THE MAT TO SHIFT, WHICH MAY INTERFERE WITH PROPER FUNCTIONING OF THE VEHICLE'S PEDALS, POTENTIALLY RESULTING IN LOSS OF CONTROL OF THE VEHICLE AND SERIOUS INJURY OR DEATH.