INSTALLATION

1. Place the wheel on the tire mounting machine with the "INBOARD" side of the wheel facing up and install bottom bead.
2. Ensure a metal valve is used. Remove thumb screw from spanner nut.
3. Place the runner around the wheel drop center with the runner side marked "OUTBOARD" facing up. Note: Truck wheel drop centers are reversed compared to passenger vehicle wheels, therefore the runner side marked "OUTBOARD" must face toward the inboard side of the wheel. Verify the valve stem is in the opening of the runner (Figure 14 & 15).
4. Install the runner retainer clip inside the 2 holes on the runner located on each side of the valve stem. Place the end of the string over the wheel as shown (Figure 15).

   Note: If the C-clip cannot be installed, install the top bead and inflate the tire. This will allow the bottom bead to move away from the drop center and runner location, resulting in the runner being seated. Deflate tire, unseat top bead and install C-clip. After the C-clip is installed, the C-clip will hold the runner in the proper location.
5. Place blocks of wood between the tire and rim as shown in Figure 16.
6. For a 2 piece roller assembly, skip to Step 7. For a 3 piece roller assembly, continue with Step 6.

   To assemble the roller sections, match the roller end with the flat bar connector marked "B" with the other roller section having the same letter designation (Figure 17).

   Remove cross bolt and insert the roller sections inside the tire as shown in Figure 18. Rotate the roller section as you insert. Connect the rollers, re-insert the cross bolt and secure firmly. Place blocks of wood between the inside of the tire and the roller to keep the roller engaged with the runner. Repeat this step for the roller ends marked C.

   Use Step 7 for the remaining connection marked A.

Continued on page 6


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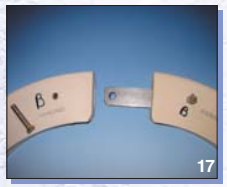
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INSTALLATION (CONT.)

7. Rotate the eyebolt into position and slide the roller assemblies together until the eyebolt hole is visible through the slot in the roller. Place the cross bolt into the slot. If necessary, loosen spanner nut.
8. Remover the runner retaining clip by pulling the string. (Only when all sections are connected but not tightened yet.)
9. Using the supplied spanner tool, tighten the spanner until snug (Figure 19).
10. Place loctite on the thumb screw threads and thread into the spanner nut. Use hand pliers to tighten until snug (Figure 20).
11. Rotate the thumb screw and nut towards the outside of the roller until contact is made (Figure 21).
12. Be sure to remove all wood blocks and tools from the inside of the tire.
13. Place lubricant on the outboard tire bead and install. Inflate the tire to the recommended tire pressure (Figure 22).
14. Balance the wheel and remove excess lubricant from the exterior of the tire.
15. Place the installation label on the wheel to specify a runflat is installed (Figure 23).
16. Mount the wheel - *You are finished!*
17. Keep the instructions and installation tools with the vehicle spare tire to facilitate future tire changes.

For removal, please follow these instructions in reverse order.


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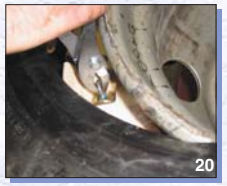
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Please contact Rodgard with any installation questions.

RODGARD
92 Monsignor Valente Dr. • Buffalo, New York 14206
Phone: (716) 852-1435 • Fax: (716) 852-7690
Email: sales@rodgard.com
Web: www.rodgard.com

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RODGARD

FITTING INSTRUCTIONS

Rodgard Truck Series Runflats

Models

17.5″ Low Profile
17.5″ Standard
17.5″ Super Standard
17.5″ Heavy Duty
19.5″ Standard
20″ Super Standard
22.5″ Low Profile
22.5″ Standard
22.5″ Super Standard

US Patent RE32693
European Patent 100013

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92 Monsignor Valente Dr. • Buffalo, New York 14206
Phone: (716) 852-1435 • Fax: (716) 852-7690
Email: sales@rodgard.com
Web: www.rodgard.com
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INTRODUCTION

Thank you for purchasing the Rodgard Runflat System.

This manual details the instructions to install the Rodgard runflat system on one piece truck wheel with drop center. The wheels may or may not be equipped with safety humps.

NOTICE

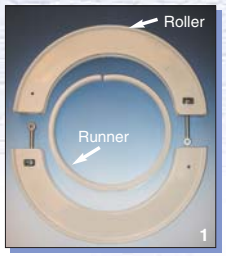
Failure to follow these instructions may result in component failure and reduced performance.

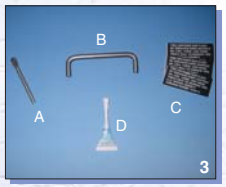
The Runflat system is installed during the tire installation. It is shipped as a completely assembled unit, and consists of two major components: the Runner and Roller (Figure 1).

Note: The 17.5˝ Low Profile, Standard, and Super Standard runflats have a two (2) piece roller configuration (Figure 1). All other models have a three (3) piece roller configuration (Figure 2).

HAND TOOLS & EQUIPMENT (Figure 3)

- Spanner Adjustment tool (provided) (A)
- Runner Retainer C-clip (provided) (B)
- Installation Labels (provided) (C)
- Loctite lubricant (provided) (D)
- 9/16˝ socket extension ratchet
- Standard tubeless tire mounting tools
- Standard tire mounting machine
- Wood blocks (optional)





Please note: To help assist with installation, some photos do not depict the lubricant on the roller and runner.

PRE-INSTALLATION

Trial Fitting Without Tire

The pre-fitting instructions will assist the installer with the basic concept of the installation. The actual fitting instructions follow this section.

1. **Place the wheel on the tire mounting machine with the "INBOARD" side of the wheel facing up.**
2. **Ensure a metal valve is used (Figure 4). Remove thumb screw from spanner nut and keep in hand.**
3. **Place the runner around the wheel drop center making sure the side marked "OUTBOARD" is facing up. Verify the valve stem is in the opening of the runner (Figures 5 & 6).**
4. **Install the runner retainer C-clip inside the 2 holes on the runner located on each side of the valve stem (Figure 6). The clip should have a piece of string attached for ease of removal.**
5. **Place the roller sections on the runner assembly with the roller joints away from the valve stem (see Figure 7). For a 2 piece roller assembly, skip to Step 7. For a 3 piece roller assembly, continue with Step 6.**
6. **NOTE: A 3 piece roller assembly has special hardware not included with a 2 piece assembly. The following instructions apply:**

   To assemble the roller sections, match the roller end marked "B" with the other roller with the same letter designation (Figure 8). Remove the cross bolt, connect the rollers, re-insert the cross bolt and secure firmly. Repeat this step for the roller end marked C. Connect section A using Step 7.

Continued on page 4

PRE-INSTALLATION (CONT.)

7. **Rotate the eyebolt into position and slide the roller assemblies together until the eyebolt hole is visible through the slot in the roller. Place the cross bolt into the slot and tighten until firm. Repeat this step for the remaining rollers (Figures 9 & 10).**

   NOTE: Extending the spanner nut/eyebolt assembly may ease installation of the cross bolt.
8. **Remover the runner retaining clip by pulling the string. This should be completed only when all sections are connected, but not tightened yet.**
9. **Remove the thumb screw from the spanner nut.**
10. **Using the supplied spanner tool, tighten each spanner until snug. Rotate between spanners while tightening (Figure 11).**

    The gap should be approximately equal to the gap noted on the Roller Gap form included with these instructions.

    NOTE: The 19.5˝ and 22.5˝ only have one spanner nut.
11. **Place loctite on the thumb screw threads and thread into the nut. Use hand pliers to tighten until snug (Figures 12 & 13).**
12. **Rotate the thumb screw and nut towards the outside of the roller until contact is made.**
13. **You are finished with the installation.**

The previous steps are documented to ease the actual installation process. Please refer to this section for assistance.