

Hutchinson Industries, Inc.

Manually Inserting VFI Runflat into Tire

Procedure

1. Tools required for this procedure:
 - a. Ratchet & Strap P/N D528232
 - b. Standard automotive technicians tool kit
 - c. Tire Bead Lubricant (Soap)
 - d. Application Brushes for Tire Bead Lubricant
 - e. Roller stand for rotating tire (optional)

Procedure: (cont.)

1. After applying the Runflat lubricant, inspect the crown area to assure it is evenly spread throughout the tire crown area. Utilize brush or spreader as needed.
2. Lubricate (sparingly) with Tire Bead Lubricant, the tire beads at the locations where the tire will make contact with the "VFI" runflat during insertion.
3. Record the serial number of the "VFI" runflat before inserting into tire.



4. Open up the Ratchet Strap assembly and lay flat on ground with the handle facing downward. Place Runflat device over top of strap as shown.



5. Feed strap end through slot in hub barrel and pull the strap tight against Runflat. Place the belt just slightly off center of the runflat. (approximately 60/40)



6. Utilize the ratchet to compress the runflat to less than half of the original inside diameter as shown, taking care not to pinch your fingers on the ratchet mechanism.



7. Position tire against a solid object such as a wall or rail. Insert the runflat device into the tire cavity as shown with the ratchet handle facing in towards the opening.



8. Turn the tire around and push the runflat into the tire as far as possible. Tire spoons can be used to expand the width of the tire to allow for the edges of the runflat to slide in past the beads.



9. After the runflat has been carefully inserted as far as possible into the tire cavity, (as shown in the adjacent picture), go to step 10.



10. Lay the tire and runflat onto the floor with the ratchet handle facing up as shown. Press down on the tire to allow for the runflat edges to enter into the tire cavity as far as possible.



11. The tire can be turned over and a tire spoon may (carefully) be used to help push the tooth of the runflat further into the tire cavity. It is important not to use so much force that you cut the tire bead or deform the tire bead wire. Please note you must have at least 60 to 70% of the runflat in the tire or it will not install.



12. Once the runflat has been inserted as far as possible into the tire cavity, carefully release the ratchet mechanism and allow the runflat to expand into the tire cavity.



13. Remove the ratchet and strap assembly and align the runflat device with the beads as shown in the adjacent picture.



14. Examine the tire around the bead area to assure there are no cuts or gouges. After proper insertion is assured, carefully move the tire onto the next operation (Wheel Assembly)



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