Mallard M180BH axle/tire/spare tire replacement

Description

It has been decided that all 2021 Mallard M180BH units were manufactured with the incorrect rated axle and tires.

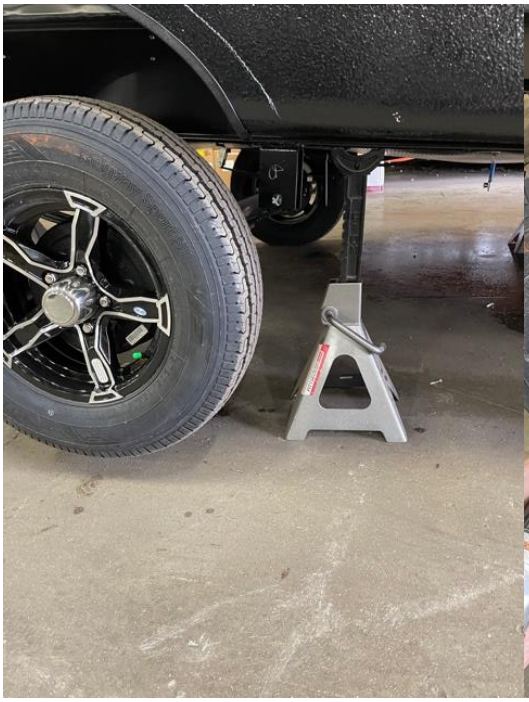
Inspection & Repair

1. Remove existing trim lock around the wheel wells.
2. Measure 1 ½" around the wheel well and cut off with tin snips to make room for larger tires.
3. Install new trim lock on both wheel wells.

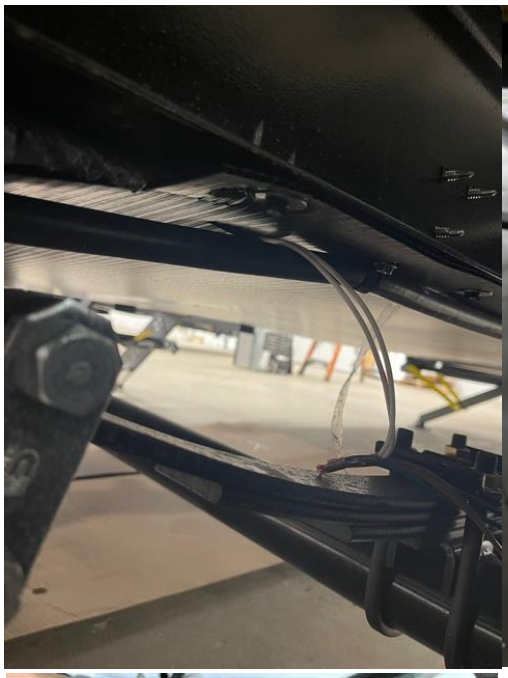
4. Using at least a 2 ton floor jack, raise one side of the unit lifting on the frame rail and place jack stands in front and behind the axle on the frame rail to support the unit. Leave about 6" of

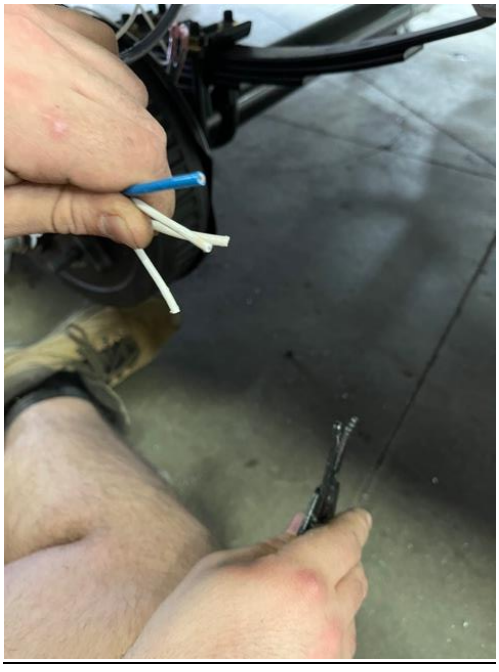
clearance under the tire to make room for the new tire installation. Repeat process on the other side of the unit.

5. Remove wheels using a ½" impact and ½" socket.



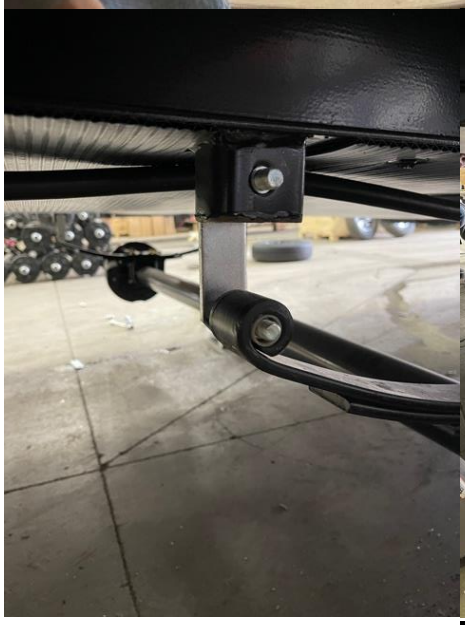
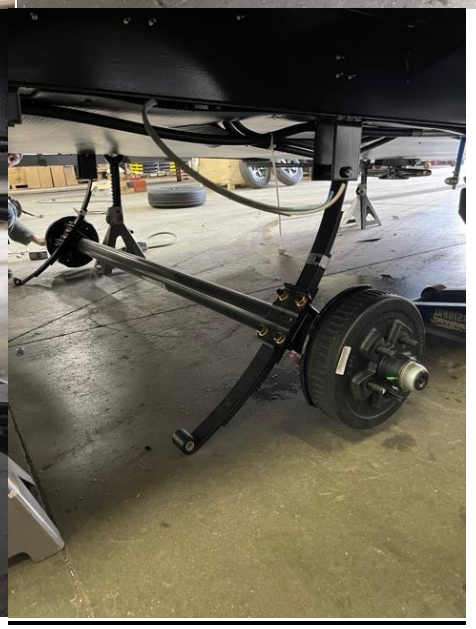
6. On off door side of the unit pull down on the underbelly with your hand and pull the brake wires out until the connectors are exposed and can be worked on.
7. Cut both connections off of the old axle.





8. Use ½" impact and 11/16" socket to remove the axle nuts and hardware.
9. Remove the bolts from the axle and lower the axle to the ground. (May need to use 13/16" wrench to help remove the front bolt.)



10. Remove old axle from under unit and place new axle under unit. (Make sure the wire connectors on the new axle are on the off door side of the unit.)
11. Lift axle into place and install bolts and hardware. (May need to use mallet in ensure bolts are installed correctly on the mount.)
12. Use torque wrench to torque axle bolts to between 35-50 ft. lbs.
13. Untie wires from the new axle and use provided connectors to reconnect brake wires. One blue wire from chassis connects to one white wire from axle. One white wire from chassis connects to the other white wire from chassis. (Wires from the axle are not polarity sensitive.)
14. Pull down on underbelly and tuck wires and connections safely back into underbelly.

15. Install new wheels/tires on the axle and hand tighten all lug nuts. Use ½" impact and ½" torque stick to tighten all lug nuts in a star pattern.

16. Use floor jack to lift unit and remove jack stands from under the unit.
17. Use torque wrench to torque all lug nuts in a star pattern to 120 ft. lbs.
18. Perform brake check test and light check test to ensure the brakes are performing properly.

Replace the spare tire on the unit using the following instructions:

19. Use a 13/16" socket and wrench to remove the 2 lug nuts and retaining plate holding the spare tire on the carrier.
20. Reinstall the spare tire on the carrier and use a 13/16" socket and wrench to tighten the lug nuts against the retaining plate.

Tools

- ½" impact socket and ½" driver
- ½" lug nut torque stick
- 13/16" wrench
- 11/16" socket
- 2 ton floor jack
- Jack stands
- Torque wrench
- Tin snips
- Channel lock pliers
- Mallet
- Wire strippers

Parts

1 - Item: 0280220 - Axle - 5100# - Underslung - HF=86.50 SC=68.50 - 6-Hole - 1/2 Stud - 12 Brake
2 - Item: 0339446 - Tire - ST225/75R15 LRE - Ridgway Sport - 15x6 6-5.5 6L - Liger Black
1 - Item: 0301153 - Spare- Tire - ST225/75R15 LRE - Ridgway Sport - 6-5.5 6L - Silver Mod
2 - Item: 0154163 - Nut - Lug - 1/2 - Steel - 1.38" Tall
8' - Item: 49405 - Seal - Trim 1/16"

Warranty

File Recall Repair warranty claim using warranty code (99.01.56), for 3 hours.
*****No Pictures required***** *****No part return required*****

Please refer all questions and authorization requests to Heartland Dealer Services Department 877-262-8032