



Highland
RIDGE RV

STARCRAFT

Dexter D44 axle may be missing Race

Recall: Jayco 18V-618 2018-514
Highland 18V-616 2018-515

Publication Date: October 2018

Job Code: **Jayco 9901410** Inspection ONLY - each axle hub assembly (2 per axle) – Photo of each axle serial number tag is required (2 per unit)

Make: **Jayco**
Highland Ridge

9901411 Inspection of each axle hub assembly (2 per axle) – Photo of each axle serial number tag is required (2 per unit) **and** a photo of incorrect gap is required with authorization prior to replacing an axle.

Highland 9904410 Inspection **ONLY** (limit 2)- Photo of each axle serial number tag is required (2 per unit).

9904411 Inspection of each axle hub assembly (2 per axle) – Photo of each axle serial number tag is required (2 per unit) **and** a photo of incorrect gap is required with authorization prior to replacing an axle.

Inspection ONLY: .5 hr per axle (2 hub assemblies per axle)

Flat Rate: **Inspection and Replace Axle:** 1 hr per axle (limit 2 axles per unit)

Model: Whitehawk
Jayflight
Open Range UL
Open Range Light
Mesa Ridge

Model Year: 2019

INCIDENT	Dexter D44 axle may be missing Inner/Outer Bearing Cup (Race)
AFFECTED UNITS	2019 White Hawk K14A0141-0200 K14D0081-086 K14E0081-0086 K14H0050 K14K0051-0080 K14L0141-170 K14Y0081-0098 K14Z0087-0098 2019 Jay Flight SLX K17M0081-0116 2019 Jay Flight K1TC0141-0260 K1TD0141-0230 K1TN0111-0128 K1TZ0113-0170 2019 Open Range UL K3UJ3114-3128 2019 Mesa Ridge K3MV3069-3073 2019 Open Range Light K3TJ3069-3073
MISC. TOOLS & SUPPLIES	1/4" Allen wrench Floor jack, jack stands, impact driver and 3/4" impact socket, torque wrench (ft/lbs.)

Preparation for Inspection of D44 Hub –Drum assemblies

1. Loosen lug nuts on the wheels with an impact driver and 3/4" socket.
2. Jack up the trailer on the frame and place jack stands under the frame.
3. Remove the wheels and tires from the trailer. Note: Wheel serial numbers are recorded to the unit so you must insure they are reinstalled on the same unit they were removed from.

Continue with Dexter Inspection Instructions.

DEXTER INSPECTION INSTRUCTIONS
for each D44 Hub-Drum assembly for possible missing bearing cup (race)

1. While underneath trailer, you will inspect the gap between hub-drum and backing plate in scalloped areas of backing plate using a 1/4" Allen wrench as a Go No-Go gage.
2. Attempt to insert the gage between hub-drum and backing plate as shown in figure 1 and Figure 2.

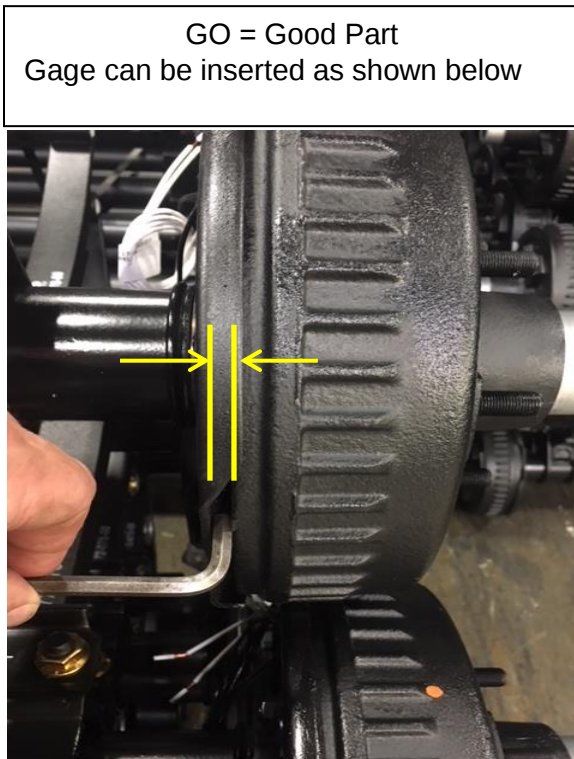


Figure 1

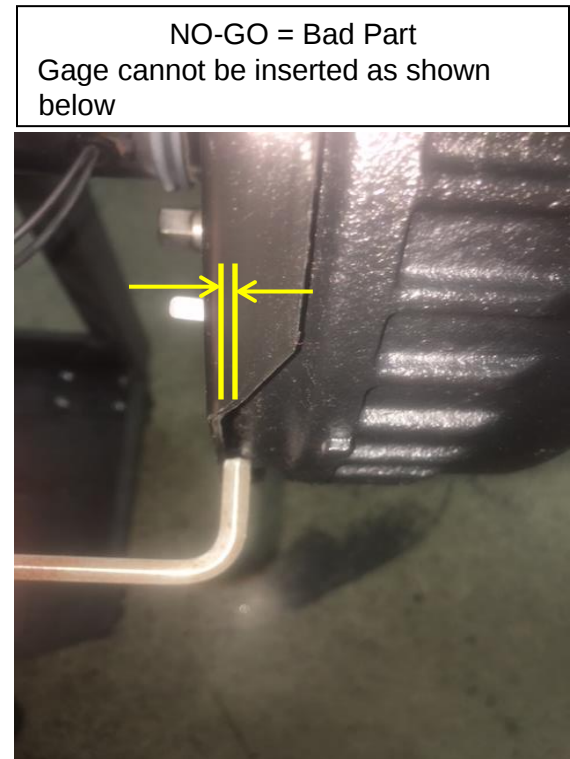


Figure 2

3. Determine if the gage fits GO (Figure 1) or does not fit NO-GO (Figure 2) between backing plate and hub-drum as shown.
4. Perform this inspection on *both ends of axle*.
5. **If gage does not fit NO-GO between backing plate and hub-drum the bearing race is missing which will require axle replacement.** Prior authorization is required for axle replacement.
6. If gage does fit GO between backing plate and hub-drum the axle is not defective. Proceed to step 7, outlining reinstalling wheels.
7. Re-mount the wheels and tires.
8. Start the lug nuts by hand and tighten by hand until wheel is fully seated on the hub
9. Remove the jack stands and lower the trailer to the ground.
10. Initially lug nut torque is **65 ft. lbs.** following the normal star pattern.
11. Final lug torque is **120 ft. lbs.**
12. **Follow the wheel installation instructions outlined on page 3 & 4 of these instructions. Make sure your using a calibrated tool for measuring this critical torque application.**

WHEEL LUGS

After your first trip, check the wheel lug torque periodically for safety. Check the wheel lugs after winter storage, after a wheel removal, before starting a trip or following extensive braking:

1. Use the correct star pattern sequence to attach the recreation vehicle wheels
2. Start all nuts by hand to prevent cross threading.
3. Tighten the nuts in the sequence shown.
4. Lug nuts should be tightened in two stages. Lugs should be started by hand, then torqued to intermediate values (Stage 1) on the chart then torqued according to the final torque values on the chart.

⊠ **NOTE:** The proper method of tightening wheel lug nuts is with a properly calibrated torque wrench and socket, not with an impact wrench or by hand. Do not use a 4-way lug wrench or any other type of wrench that does not measure the actual pressure applied to the lug nut. Lug nuts should be tightened according to the proper lug pattern on your wheels. Refer to the Wheel Lug Nut Diagram below.

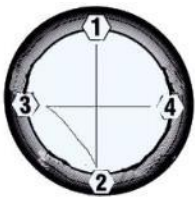


WARNING

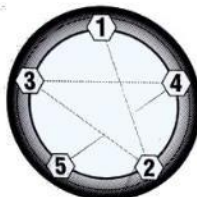
- ❑ Check and tighten wheel lug nuts regularly to make sure they did not loosen during travel. Wheel lug nuts must be applied and maintained at the proper torque levels to prevent loose wheels, broken studs and possible separation of the wheel(s) from your recreation vehicle. The lug nuts on the wheels of your recreation vehicle must be maintained according to listed torque values (see **Wheel Lug Nut Torque Chart**.) Over-torqued and/or under-torqued wheels may result in component failure.
- ❑ Wheels should ALWAYS be mounted and properly torqued by a qualified service technician using the proper tools.
- ❑ **Failure to maintain proper torque of the wheel lug nuts could lead to separation of the tire and wheel while driving, possibly resulting in property damage or personal injury.**

Wheel Lug Nut Diagrams

Because of the importance of having proper torque on the wheel lug nuts, you should always have the wheels mounted and properly torqued by a qualified technician using the proper tools.



4 Lug Nuts



5 Lug Nuts



6 Lug Nuts



8 Lug Nuts

Criss cross "star" patterns, as shown, must be followed during tightening sequence

A Digital or Dial Torque Wrench is recommended.

Also applies to any service involving wheel or lug removal, during the life of the recreational vehicle.

Wheel Lug Nut Torque Values

Lug Nuts	Stud Size GR 8	Rim Size	Rim Type	Stage 1 Torque Values Start lug nuts with fingers	Final Torque Values
4-Lugs	1/2"- 20	12"	Steel/Alum	45 ft lbs	70 ft lbs
5-Lugs	1/2"- 20	12"	Steel/Alum	45 ft lbs	70 ft lbs
5-Lugs	1/2"-20	13"	Steel/Alum	45ft lbs	70 ft lbs
5-Lugs	1/2"- 20	14"	Steel/Alum	65 ft lbs	120 ft lbs
5-Lugs	1/2"- 20	15"	Steel/Alum	65 ft lbs	120 ft lbs
6-Lugs	1/2"- 20	15"	Steel/Alum	65 ft lbs	120 ft lbs
6-Lugs	1/2"- 20	16"	Steel/Alum	65 ft lbs	120 ft lbs
8-Lugs	1/2"- 20	16"	Steel/Alum	65 ft lbs	120 ft lbs
8-Lugs	9/16" - 18	16"	Steel/Alum	65 ft lbs	120 ft lbs

1. Prior to travel and after excessive braking, wheel lug nuts should be checked for torque. Torque readings must fall within the Final Torque Values in chart above.
2. Torque specifications should be checked using a proper torque wrench.
3. If the torque falls below the Final Torque Values, additional torque is required.
4. Check and re-torque lug nuts at 10 miles (16 Km), 25 miles (40 Km) and 50 miles (80 Km) and again periodically during travel. Refer to diagrams above for proper lug pattern and Final Torque Values. Thereafter check and maintain torque according to the Final Torque Values in the chart above.

Failure to follow these instructions may result in wheel loss, an accident, or loss of control, resulting in death or serious injury.

Lug Nut Pattern and Warning Label

The following labels showing the proper lug nut tightening pattern and a warning label are located on the driver side of the A frame hitch on travel trailers, and on the driver side of the pinbox on fifth wheel units. Lug pattern label will vary according to number of wheel lugs.



Lug nut torque pattern and warning label

Torque Wrench Usage:

1. Tools should be maintained, in good condition, and stored appropriately.
 - Avoid dropping or sliding a torque wrench. Dropping it can cause the instrument to lose reliable calibration.
 - *Damaged tools must not be used and must be removed from service for evaluation and either reported and re-calibrated or replaced.*
2. Do not use accessories or handle extensions unless specifically allowed by the torque wrench manufacturer.
3. Do not use the torque wrench as the primary means of tightening or loosening fasteners.
4. Torque wrenches are length specific:
 - Grasp the torque wrench in the *center* of the handle when applying torque pressure.
 - Place one hand on top of the other when using two hands.
5. Apply torque in a slow, steady manner in a downward direction and avoid sudden "jerking" movements.

When the wrench signals (by clicking, beeping or lights) that a specific torque has been reached, stop immediately.