

INSTALLATION INSTRUCTIONS

CARRIER BEARING/DRIVELINE COMBO - CANAM X3



TOOLS REQUIRED

- 13,15,17,18MM Socket
- 1/8", 5MM Allen
- Knife or cutting tool
- Snap Ring Pliers
- T40 Wrench
- Ratchet Strap
- Rubber Mallet
- Floor Jack
- Jack Stands

STEP 1

Remove the driver side front AND rear seats. Each seat uses 13mm bolt in the front and an 18mm nut in the back.



STEP 2

Remove the passenger side front seat. The seat uses 13mm bolt in the front and an 18mm nut in the back.



STEP 3

Rest the driver side seat on the steering wheel leaving the harnesses attached. Do not remove the safety harnesses.



STEP 4

Rest the passenger side seat on the dash, secure with a ratchet strap. Do not remove the safety harnesses.



STEP 5

Remove the two front plastic kick panels from the passenger side exposing the coolant lines.



STEP 6

Carefully move the coolant lines by hooking them over the seat mounting bolt. Remove the passenger side 15mm carrier bearing bolt.



STEP 7

Carefully remove the three plastic kick panels from the drivers side back to front.



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STEP 8

Remove the driver side 15mm carrier bearing bolt.



STEP 9

Remove the 13mm nut and bolt from the front shaft. Some models may not have this bolt.



STEP 10

Remove the 13mm spline bolt and nut from the front differential. Separate the driveshaft from the differential and set it to the drivers side. Pull it forward as far as you can.



STEP 11

Separate the front driveline from the rear by pushing the rear shaft back and the front shaft forward. Remove front driveline.



STEP 12

Free the carrier bearing by pulling it forward disengaging the rear driveshaft from the rear spline.



STEP 13

Remove the snap ring locking the carrier bearing to the rear shaft. Remove the carrier bearing from the rear driveshaft.



STEP 14

Now the rear driveshaft is free, remove it by sliding it forward into the front driveline tunnel then back out.



STEP 15

Remove two T40 nuts to loosen and remove the plastic driveline tunnel support gusset.



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STEP 16

Remove the Race Collar from the Sandcraft rear driveshaft.



STEP 17

Remove two 17mm bolts from the Sandcraft Carrier Bearing and separate the base from the bearing.



STEP 18

Trim back the plastic driveline tunnel to make room for the larger Carrier Bearing Base Bracket.



STEP 19

Insert the Sandcraft Carrier Bearing Base Bracket with the logo/writing facing forward.



STEP 20

Loosely install the driver side 17mm Carrier Bearing Bracket bolt and washer. Install the passenger side bolt and washer. Torque both bolts to 20 ft-lb.



STEP 21

Insert the Sandcraft rear driveshaft. Couple the rear driveshaft with the rear spline.



STEP 22

Install the Sandcraft Carrier Bearing fully onto the rear shaft.



STEP 23

Install the front driveshaft into place with the grease zerk on the Carrier Bearing end.



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STEP 24

With a marker, mark the master spline. Align the grease zerk with the master spline and engage fully to the rear driveshaft.



STEP 25

Engage the front driveshaft to the front differential. Tighten the four 1/8" allen set screws. Torque to 7 ft-lbs. Safely raising the passenger control arm will allow the shaft to spin.



STEP 26

Install four 1/8" locking jam nuts using the supplied blue loctite. Torque to 7 ft-lbs.



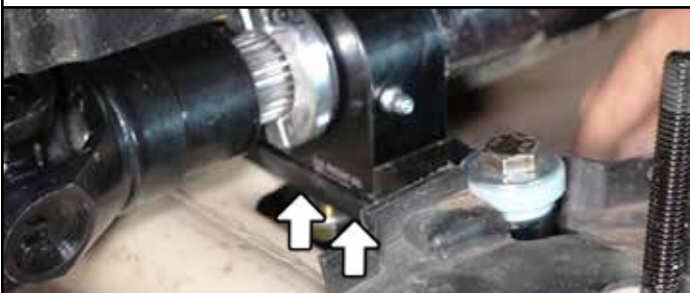
STEP 27

Install the Sandcraft Race Collar with the nose going into the Carrier Bearing. Apply the blue threadlocker to the hardware. Torque to 7 ft-lbs.



STEP 28

Install two 17mm bolts through the Base Plate into the Carrier Bearing. Torque to 20 ft-lbs.



STEP 29

If you are installing the optional grease whip, remove the 9/16" grease zerk and thread in the grease whip. You can fasten it to the seat mounting bracket with a zip tie.



STEP 30

Double check your connections, ensure the driveline rotates freely. Re install plastics and seats. Torque the 13mm seat bolts to 18 ft-lbs. Torque the 18mm seat nuts to 48 ft-lbs.

