

BW 4484 H2 Applications

Locked in 4WD, Binds on Turns

Some customers may comment about the Hummer H2 applications “hopping or binding” when the vehicle is in a turn. Some customers may comment regarding a lack of 4WD operation or about the transfer case failing to come out of 4wd when another range has been selected.

A common cause for this condition is a broken shift fork or collar/sleeve within the transfer case. The shift fork and the shift sleeve/collar are made of plastic and tend to break with use. An updated shift fork is available under part # 88984536 while the updated shift sleeve is available under part # 88984512.

To repair this condition the transfer case must be disassembled. Two precautions should be heeded when servicing the BW 4484 unit, Do not disassemble the planetaries when taking the transfer case apart for this concern, even though your service manual may direct you to do so.

If the planetaries come apart they will need to be retimed. To retime the planetaries locate the planetary pinion timing marks. These marks can be dots, dashes, triangles or a combination of all of the above. The marks are typically on opposite sides of the small verses large gears.

All the timing marks must be located and the pinions rotated until all the “APPROPRIATE” timing marks are facing outward. Reassemble the planetary and make sure it does not bind at all when it is rotated by hand. Failure to properly time the planetary will result in dramatic vehicle handling problems. An improperly timed planetary will bias power to one set of drive wheels, making the vehicle act as if you had a different ratio in the front verses rear differential.

The other area to pay attention to is the shift shaft. Be careful when assembling the shaft as the tip on the end of the shaft can be damaged or broken very easily.

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Locked in 4WD, Binds on Turns (continued)

Maybe lines, dots or triangle that will have to face out

Lines, dots, or triangle on these gears are typically on the other side of the gear. They must face out.

When you have completed the assembly rotate the complete planetary, it must turn freely

