

HUMMER® Operating the H2 Transfer Case

Brought to you by the HUMMER Owner Center



Your HUMMER H2 is the most capable off-road vehicle in its class, delivering superior performance in a highly refined, premium package.



One of the features that elevates the H2 from other full-size SUVs when it comes to delivering bona fide off-road capabilities is its drivetrain, which includes a Borg-Warner two-speed electronically controlled transfer case with High and Low settings...and an Eaton electronic locking rear differential.



Your H2's full-time four-wheel-drive system can be operated in five different modes, depending on road conditions:

- 4-High
- 4-High Lock
- 4-Low Lock
- 4-Low Lock with rear differential locked
- Neutral.

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These settings are selected using the transfer case mode selector buttons located on the center console in your H2.

Neutral should be used only when you are flat towing your H2 behind another vehicle.

To put your H2 in Neutral, first make sure the vehicle is parked so that it will not roll and then set the parking brake.

Start the vehicle or turn the ignition to Run. At this point, you will also want to connect your H2 to the towing vehicle.

Next, shift the transmission shift lever to Neutral and then shift the transfer case to 4-High. Simultaneously press and hold the 4-High and 4-Low Lock buttons for 10 seconds.

The red Neutral indicator light will flash while the vehicle is shifting modes and will remain lit when the shift is complete.

Next, shift the transmission gear selector to Reverse for one second, and then shift it to Drive for one second. Turn the ignition to Lock, and place the transmission shift lever in Park.

Finally, release the parking brake prior to towing your H2.





To shift the transfer case out of Neutral, set the parking brake and apply the regular brake pedal.

Shift the transmission shift lever to Neutral and, with the engine off, turn the ignition to Run.

Press the transfer case button for the desired position.

After the transfer case has shifted out of Neutral and into the desired position, the red light will go out.

Now you can start the engine on your H2 and shift the transmission into the desired position.



The 4-High mode is used in most normal everyday street and highway driving situations on dry roads and also can be used with variable off-road conditions. In 4-High, the front and rear axles are able to move at different speeds.



To shift into the 4-High mode, be sure your H2 is traveling at less than 40 mph...or 64 kilometers per hour...and press and release the 4-High button.

The indicator light will flash while the vehicle is shifting modes and will remain lit when the shift is complete.



4-High Lock mode should be used in most off-road situations when the road surface may be slightly slippery and you need extra traction, such as when covered with snow, light sand or wet areas.

The 4-High Locked mode locks the front and rear axles together so they turn at the same speed to give you added traction



To shift into the 4-HI Lock mode, be sure your H2 is traveling at less than 40 mph...or 64 kilometers per hour...and press and release the 4-High Lock button.

The indicator light will flash while the vehicle is shifting modes and will remain lit when the shift is complete.



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The 4-Low Lock mode should be used for severe off-road situations when you want to send maximum power to all four wheels, such as when traveling through deep sand or mud.

The 4-Low Lock mode locks the front and rear axles together and shifts to a 2.64-to-one gear ratio to provide higher torque for climbing rocks and other obstacles.



To shift to 4-Low Lock, the engine on your H2 must be running and the vehicle must be stopped or traveling at less than two miles per hour...or 3.2 kilometers per hour...with the transmission in Neutral, press and release the 4-Low button.

Wait for the 4-Low Lock light to stop flashing and remain lit before shifting your transmission into gear.

To shift out of 4-Low Lock and into 4-High or 4-High Lock, the engine must be running and the vehicle must be stopped or traveling at less than two miles per hour...or 3.2 kilometers per hour...with the transmission in Neutral.

Press and release the desired mode button and wait until the light stops flashing and remains lit before shifting into gear.



4-Low Lock with rear differential locked mode should be used only when you need maximum traction in low-speed situations, such as when climbing over large rocks or up long, steep grades.

The 4-Low Lock with rear differential locked mode locks the rear axle shafts together, sending equal torque to both wheels.

In addition to the high torque of 4-Low Lock, the locked rear axles have a 4.10-to-one rear axle ratio



for maximum performance at low speed.

To shift into 4-Low Lock with rear differential locked, be sure your H2 is in the 4-Low Lock mode.

This is the only mode that will allow you to lock the rear axle. Press the Lock Rear Axle button with the vehicle stopped or moving at less than two miles per hour...or 3.2 kilometers per hour. Then wait for the light in the button to stop flashing and remain lit to signal that the axle is locked.

In addition to the 4-High and Low, 4-Low Lock and 4-Low Lock with rear differential locked, you can also use your H2's secondary Traction Control System...or TC2...with the 4-High Lock, 4-Low Lock and 4-Low Lock with rear differential locked modes.

While the H2's normal Traction Control mode is always available to help enhance traction, pressing the TC2 mode button while in any of the modes mentioned will allow for an increase in wheel slippage, thereby enhancing the H2's four-wheel-drive capability when traveling in conditions such as deep mud or sand

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When you select the right transfer case mode for the specific conditions in which you're driving, no other vehicle in its class can match the HUMMER H2's formidable off-road capabilities.

Alexander Hober