

**Phone:** (800)321-3494 or (563)724-3396 **Fax:** (563)724-3408 **Internet:** www.hwhcorp.com

## **GENERAL INFORMATION**

ISSUE DATE: April 28, 2003

RE: Jack Retraction Information for 305/310/325/610/625 Leveling Systems

## **JACK RETRACTION (Page 1 of 4)**

Due to thermal expansion of the hydraulic fluid in the leveling system which will occur while traveling, one or more jacks will extend slightly. In most cases the jacks will extend about one inch or less. This does not cause a driving hazard, but can be an annoyance due to the warning buzzer coming on. This will normally only happen with touch panel controlled systems, manual or automatic. If the jacks are retracted properly, thermal expansion should not be a problem. The following information will show how to identify each system and properly retract the jacks. It also addresses what to do if a warning light and/or buzzer comes on while traveling.

Manual 305/310/325 leveling systems can be identified by the label "HWH HYDRAULIC LEVELING" at the top of the touch panel. Automatic 610/625 leveling systems can be identified by the label "HWH COMPUTERIZED LEVELING" at the top of the touch panel.

#### 310 SERIES MANUAL TOUCH PANEL SYSTEM

310 Touch Panel has a NOT IN PARK/BRAKE light.

To retract the jacks the ignition must be in "ACC" or "ON" position.

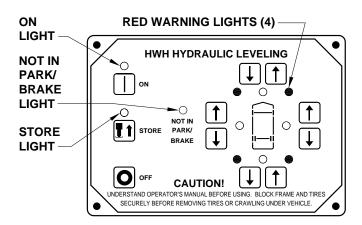
NOTE: The jacks can be retracted with the ignition in the ACC. position to avoid the warning buzzer while the jacks are retracting.

Push the "ON" button. The ON light will come on.

Push the "STORE" button. The STORE light will come on. The jacks will retract. The system will turn itself off 2 minutes after the last red Warning Light goes out.

Pushing the "OFF" button or moving the ignition key will turn the STORE procedure off. This will allow thermal expansion to cause a jack to extend slightly. If the STORE procedure is interrupted, the system should be turned on, push the "STORE" button and allow the STORE procedure to be completed.

If a red Warning Light and/or buzzer comes on while traveling, push the "ON" button then the "STORE" button. The park brake does not need to be set.





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## **JACK RETRACTION (Page 2 of 4)**

#### 305/325 SERIES MANUAL TOUCH PANEL SYSTEM

305/325 Touch Panels DO NOT have a NOT IN PARK/BRAKE light.

To retract the jacks the ignition should be in the "ON" position with the engine running.

It is recommended that the "OFF" button be pushed before pushing the "STORE" button. This will insure the system is off. The "STORE" button will not work if the ON light is lit.

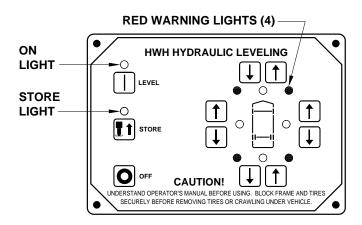
Push the "STORE" button. The STORE light will come on. The jacks will retract turning the warning lights and buzzer off. Pushing the "OFF" button or moving the ignition key will turn the STORE procedure off. This will allow thermal expansion to cause a jack to extend slightly. If the STORE procedure is interrupted, push the "STORE" button and allow the STORE procedure to be completed.

The STORE light should remain on while traveling.

Any time the engine is started to move the vehicle, the "STORE" button should be pushed.

NOTE: The jacks can be retracted with the ignition in the ACC. position to avoid the warning buzzer while the jacks are retracting. The "STORE" button should be pushed after the vehicle engine is started.

If a red Warning Light and/or buzzer comes on while traveling, push the STORE button only. Leave the STORE light on while traveling. The park brake does not have to be set.





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## **JACK RETRACTION (Page 3 of 4)**

#### 610 SERIES COMPUTERIZED TOUCH PANEL SYSTEM

The 610 pump and solenoid valve manifold is separate from the electronic controls.

To retract the jacks the ignition must be in the "ACC" or "ON" position.

NOTE: The jacks can be retracted with the ignition in the ACC. position to avoid the warning buzzer while the jacks are retracting.

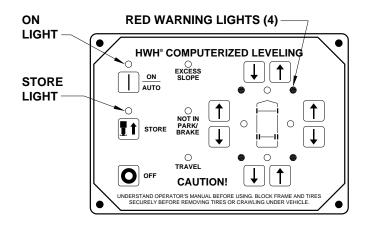
Push the "ON" button. The ON light will come on.

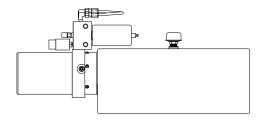
Push the "STORE" button. The STORE light will flash. The jacks will retract Six minutes after the last red Warning Light goes out, the Touch Panel will turn off.

Pushing the "OFF" button or moving the ignition key will turn the STORE procedure off. This will allow thermal expansion to cause a jack to extend slightly. If the STORE procedure is interrupted, turn the system ON, push the STORE button and allow the STORE procedure to be completed.

If a Warning Light and/or buzzer comes on while traveling, Push the "ON" button then the "STORE" button. The park brake does not have to be set.

NOTE: Systems sold prior to 2002 will need the park brake set to put the system in the "STORE" mode. The vehicle should be stopped when safe to do so. Set the park brake. Leave the engine running. Push the "ON" button then the "STORE" button. It is OK to proceed when the jacks are retracted. The system will remain in the STORE mode when the park brake is released. The system will shut itself off six minutes after all 4 red Warning Lights have gone out.







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## **JACK RETRACTION (Page 4 of 4)**

# 625 SERIES COMPUTERIZED TOUCH PANEL SYSTEM 325 SERIES MANUAL TOUCH PANEL SYSTEM WITH NOT IN PARK/BRAKE LIGHT

The 625 pump, solenoid valve manifold and electronic control box are one unit. The control box has a clear plexi-glass cover.

To retract the jacks the ignition must be in the "ACC" or "ON" position. The jacks can be retracted with the ignition in the "ACC" position to avoid the warning buzzer while the jacks are retracting.

Push the "STORE" button. The STORE light will flash. The jacks will retract.

## NOTE: The "ON" button does not have to be pushed.

625 - Six minutes after the last red Warning Light goes out, the touch panel will shut off.

325 - Two minutes after the last red Warning Light goes out, the touch panel will shut off.

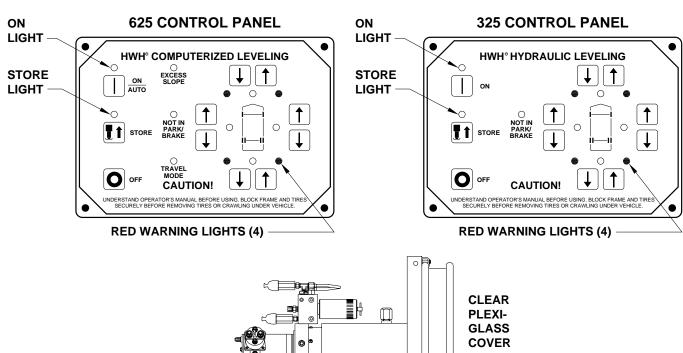
Pushing the "OFF" button before all four red Warning Lights go out will stop the STORE procedure.

Moving the ignition key before all four red Warning Lights are out will stop the STORE procedure.

## NOTE: Always retract the jacks using the "STORE" button when preparing to travel.

If a red Warning Light and/or buzzer comes on while traveling, push the "STORE" button. The park brake does not have to be set.

## NOTE: The system will only retract jacks extended due to thermal expansion if the park brake is released.



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