To find HWH® Replacement Parts, Operator Manuals, and Service Manuals it is often necessary to know what system you have.

This document will help identify which system you have, with the aid of pictures and descriptions of key components such as control panels, indicator light panels, control boxes, control modules, and sensing units.

*If you do NOT know the general control system category (below), click here to VIEW ALL LEVELING SYSTEMS.* otherwise, please click on the general category below.

**1XX Series | Lever-Controlled (Hydraulic) (1967 - Present)**

**2XX Series | Joystick-Controlled (Hydraulic) (19XX - Present)**

**3XX Series | Touch Panel-Controlled (Air or Hydraulic) (1995 - 2004)**

**4XX Series | Paddle Switch-Controlled (Hydraulic) (1985 - 1992)**


**7XX Series | Computer-Controlled (Touch Panel) (Air or Hydraulic) (YYYY - Present)**


**Precision Leveling | Computer-Controlled (Touch Panel) (Hydraulic) (YYYY - Present)**

**Active Air Suspension Leveling | Computer-Controlled (LCD Panel) (Air or Air/Hydraulic) (YYYY - Present)**

**Hand-Pump Leveling / Landing Gear (Hydraulic) (YYYY - Present)**
1XX SERIES

100 SERIES

PRODUCED: YYYY - YYYY
HWH® 100 Series, Lever-Controlled Hydraulic Leveling System
(Four-Lever Control with Separate Indicator Light Panel with Rocker Switch or Toggle Switch)

PRODUCED: YYYY - YYYY
HWH® 100 Series, Lever-Controlled Hydraulic Leveling System
(Three-Lever Control with Separate Indicator Light Panel with Rocker Switch or Toggle Switch)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>INDICATOR LIGHT PANEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Control Panel" /></td>
<td><img src="image2.png" alt="Indicator Light Panel" /></td>
</tr>
</tbody>
</table>

- 100 Series uses separate indicator light panel >>>
  - Single-slot in the control unit bezel plate for each lever.
  - Single lever control for each jack.

<table>
<thead>
<tr>
<th>Without HWH® Suspension Air Dump</th>
<th>With HWH® Suspension Air Dump</th>
<th>With Toggle Switch (OBSOLETE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>With Rocker Switch</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Indicator lights are on a plate mounted SEPARATE from the control unit.

- Used with straight-acting or kick-down jacks.

110 SERIES

PRODUCED: YYYY - YYYY
HWH® 110 Series, Lever-Controlled Hydraulic Leveling System
(Four-Lever Control with Integrated Indicator Light Panel with Rocker Switch or Toggle Switch)

PRODUCED: YYYY - YYYY
HWH® 110 Series, Lever-Controlled Hydraulic Leveling System
(Three-Lever Control with Integrated Indicator Light Panel with Rocker Switch or Toggle Switch)

PRODUCED: YYYY - YYYY
HWH® 110 Series, Lever-Controlled Hydraulic Front Jack Equalization System
(Lever Control with Integrated Indicator Light Panel with Rocker Switch or Toggle Switch)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Control Panel" /></td>
</tr>
</tbody>
</table>

- Single lever control for each jack.
  - Single slot in the control unit bezel plate for each lever.
  - Special control unit & light plate for fifth wheels and travel trailers.
  - Used with kick-down or straight-acting jacks.

- Indicator lights are integrated into the slotted bezel plate covering the control unit.
## 2XX SERIES

### 200 SERIES

PRODUCED: YYYY - YYYY  
HWH® 200 Series, Joystick-Controlled **Hydraulic** Leveling System  
(with BI-AXIS® Control and **Separate** Indicator Light Panel)  
(With or Without HWH® Suspension Air Dump)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>INDICATOR LIGHT PANEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Control Panel" /></td>
<td><img src="image" alt="Indicator Light Panel" /></td>
</tr>
</tbody>
</table>

- **200 Series uses separate indicator light panel >>>**
- Single joystick control for all four jacks.
- One *front* store lever and one *rear* store lever.
- Control unit bezel plate has a cross slot.

Without HWH® Suspension Air Dump  
• Indicator lights are on a plate mounted **SEPARATE** from the control unit.

With HWH® Suspension Air Dump  
• Used with kick-down or straight-acting jacks.

### 210/225 SERIES

PRODUCED: YYYY - YYYY  
HWH® 210 Series, Joystick-Controlled **Hydraulic** Leveling System  
(with BI-AXIS® Control and **Integrated** Indicator Light Panel)  
(With or Without HWH® Suspension Air Dump)

PRODUCED: YYYY - YYYY  
HWH® 225 Series, Joystick-Controlled **Hydraulic** Leveling System  
(with BI-AXIS® Control and **Integrated** Indicator Light Panel)  
(With or Without HWH® Suspension Air Dump)  
(With or Without Control Console)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Control Panel" /></td>
</tr>
</tbody>
</table>

- Single joystick control for all four jacks.
- One *front* store lever and one *rear* store lever.
- Control unit bezel plate has a cross slot.
- **Indicator lights are integrated into control unit bezel plate.**
- 210 Series has mercury level sensor.
- 225 Series has electronic level sensor.
- Used with kick-down or straight-acting jacks.
3XX SERIES

300 SERIES

PRODUCED: YYYY - YYYY
HWH® 300 Series, Touch Panel-Controlled Air Leveling System
(with MANUAL BI-AXIS® Control)

305 SERIES

PRODUCED: YYYY - YYYY
HWH® 305 Series, Touch Panel-Controlled Hydraulic Leveling System
(with MANUAL BI-AXIS® Control)

310 SERIES - ROCKER-SWITCH

PRODUCED: YYYY - YYYY
HWH® 310 Series, Rocker Switch-Controlled Hydraulic Leveling System
(with Three-Point Rocker Switch Control)
(Designed for Safari® Motorhomes Only) (Motorized)

310 SERIES - TOUCH PANEL

PRODUCED 1995 - 2003
HWH® 310 Series, Touch Panel-Controlled Hydraulic Leveling System
(with MANUAL BI-AXIS® Control)
(Designed for Motorized & Non-Motorized Vehicles)

PRODUCED: YYYY - YYYY
HWH® 310 Series, Touch Panel-Controlled Hydraulic Leveling System
(with MANUAL BI-AXIS® Control)
(With Hand-Held Pendant Type Controller)
(Designed for Non-Motorized Vehicles) (Straight-Acting Jacks Only)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>CONTROL BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram of Control Panel" /></td>
<td><img src="image" alt="Diagram of Control Box" /></td>
</tr>
</tbody>
</table>

- Without HWH® Suspension Air Dump
  - Touch Panel
    - Heading: "HWH HYDRAULIC LEVELING"
    - Touch panel with a rabbit at the bottom is for vehicles with "Pilot Air Dump".
    - Jacks will retract automatically with "STORE" button.
    - Used with kick-down or straight-acting jacks. (Pendant SA jacks only.)

- With HWH® Suspension Pilot Air Dump
  - Control Box is 2-3/4" x 4-1/4" x 7-1/2"

CAUTION!
HWH HYDRAULIC LEVELING
UNDERSTAND OPERATOR'S MANUAL BEFORE USING. BLOCK FRAME AND TIRES SECURELY BEFORE REMOVING TIRES OR CRAWLING UNDER VEHICLE.

STORE OFF ON NOT IN BRAKE PARK/OFF
325 SERIES

HWH® 325 Series, Touch Panel-Controlled Hydraulic Leveling System
(with MANUAL BI-AXIS® Control)

(Long PC Board Series)

PRODUCED: 2003 - PRESENT

HWH® 325 Series, Touch Panel-Controlled Hydraulic Leveling System
(with MANUAL BI-AXIS® Control)

(Short PC Board Series)

PRODUCED: 2003 - 2004

HWH® 325 Series, Touch Panel-Controlled Hydraulic Leveling System
(with MANUAL BI-AXIS® Control)

(Designed for Non-Motorized Vehicles)

PRODUCED: YYYY - YYYY

“SHORT” PC BOARD SERIES | PRODUCED: 2003 - 2004

CONTROL PANEL

FRONT

BACK

HWH HYDRAULIC LEVELING

• Touch Panel
  • Heading: "HWH HYDRAULIC LEVELING"
  • With or Without HWH® Suspension Air Dump
  • Touch panel does NOT have "NOT IN PARK/BRAKE" indicator light.

3AMP FUSE

• Touch panel has four connectors on back.
  • Touch panel has one three-amp fuse on the back.

SHORTBOARD

CONTROL BOX

CONTROL BOX MOUNTED ELECTRICAL LEVEL SENSOR

“LONG” PC BOARD SERIES | PRODUCED: 2003 - Present

CONTROL PANEL

FRONT

BACK

HWH HYDRAULIC LEVELING

With HWH® Suspension Air Dump
  • Touch Panel
    • Heading: "HWH HYDRAULIC LEVELING"
    • "NOT IN PARK/BRAKE" indicator light.

Without HWH® Suspension Air Dump
  • Touch panel has one five-pin connector on back.

LONGBOARD

CONTROL BOX

CONTROL BOX MOUNTED ELECTRICAL LEVEL SENSOR

• Long PC Board
  • Electronic level sensor is mounted inside control box.
  • Control box has an 8.5" x 11" clear plastic cover.

CAUTION!

SECURELY BEFORE REMOVING TIRES OR CRAWLING UNDER VEHICLE.

UNDERSTAND OPERATOR'S MANUAL BEFORE USING. BLOCK FRAME AND TIRES
### 4XX SERIES

#### 400 SERIES

**PRODUCED:** 1985 - 1992

**HWH® 400 Series, Computer-Controlled Hydraulic Leveling System**

(with NON-BIAXIS® Paddle Switch Control) or (with BI-AXIS® Paddle Switch Control)

<table>
<thead>
<tr>
<th>CONTROL PANELS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>NON BI-AXIS® (Standard)</th>
<th>BI-AXIS® (A few manufactured for Holiday Rambler®)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Control panel equipped with paddle switches.</td>
<td>• Control panel equipped with paddle switches.</td>
</tr>
<tr>
<td>• Air suspension dump optional.</td>
<td>• Air suspension dump optional.</td>
</tr>
<tr>
<td>• Some control panels may be labeled “A&amp;E”</td>
<td>• Some control panels may be labeled “A&amp;E”.</td>
</tr>
<tr>
<td>• Hydraulic pump and manifold separate.</td>
<td>• Hydraulic pump and manifold separate.</td>
</tr>
<tr>
<td>• Used with kick-down or straight-acting jacks.</td>
<td>• Used with kick-down or straight-acting jacks.</td>
</tr>
<tr>
<td>• 400 Series control panel looks like no other HWH® system control panel.</td>
<td>• 400 Series control panel looks like no other HWH® system control panel.</td>
</tr>
<tr>
<td>• Available in BI-AXIS® or NON BI-AXIS®</td>
<td>• Available in BI-AXIS® or NON BI-AXIS®</td>
</tr>
</tbody>
</table>

**CAUTION!**

- Block frame securely before changing tire or working under vehicle.
- Manual use limited to 4 min.
- Without cool down.

**JACK DOWN INDICATORS**

- NON BI-AXIS® (Standard)
- BI-AXIS® (A few manufactured for Holiday Rambler®)
### 5XX SERIES

**500 SERIES**

**PRODUCED: 1988 - 1993**  
HWH® 500 Series, Computer-Controlled *Air* Leveling System  
(with *Four-Point* BI-AXIS® Touch Panel Control)

**PRODUCED: YYYY - YYYY**  
HWH® 500 Series, Computer-Controlled, *Air* Leveling System  
(with *Three-Point* Touch Panel Control)

**PRODUCED: YYYY - YYYY**  
HWH® 500 Series, Computer-Controlled *Air/Hydraulic* Leveling System  
(with BI-AXIS® Touch Panel Control)

**PRODUCED: YYYY - YYYY**  
HWH® 500 Series, Computer-Controlled *Hydraulic* Leveling System  
(with BI-AXIS® Touch Panel Control)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>CONTROL BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>BACK</td>
</tr>
</tbody>
</table>

- **CONTROL PANEL**
  - Touch Panel
  - Heading: “HWH COMPUTERIZED LEVELING”

- **CONTROL BOX**
  - Glass or blade style fuses may be found in a 500 Series control box.
  - Control box is 3-1/2” x 9” x 14-1/2”.
  - Used for Air Leveling or combination Air/Hydraulic Leveling.
  - Connecting cable between the control box and touch panel is a 2” wide, flat, forty-pin ribbon cable.

### 510 SERIES (510M SERIES - AP8073)

**PRODUCED: 1990 - 1/2 - 1993**  
HWH® 510 Series, Computer-Controlled *Hydraulic* Leveling System  
(with BI-AXIS® Touch Panel Control)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>CONTROL BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>BACK</td>
</tr>
</tbody>
</table>

- **CONTROL PANEL**
  - Touch Panel
  - Heading: “HWH COMPUTERIZED LEVELING”

- **CONTROL BOX**
  - Touch panel has *either*
    - a forty-pin connector on back
    - an eight-wire connector on back
  - Control box is 2-3/4” x 4-1/4” x 6-1/2”
  - Connecting cable between the control box and touch panel was a 2” wide, flat, 40 pin ribbon cable (early models) or a 3/8” wide, flat, eight-wire ribbon cable.
  - The hydraulic pump and manifold are separate units connected with a high pressure hose and return line.
6XX SERIES

600 SERIES

PRODUCED: 1988-1993
HWH® 600 Series, Computer-Controlled Air Leveling System
(with BI-AXIS® Touch Panel Control)

PRODUCED: YYYY - YYYY
HWH® 600 Series, Computer-Controlled Air/Hydraulic Leveling System
(with BI-AXIS® Touch Panel Control)

PRODUCED: YYYY - YYYY
HWH® 600 Series, Computer-Controlled Hydraulic Leveling System
(with BI-AXIS® Touch Panel Control)

CONTROL PANEL

<table>
<thead>
<tr>
<th>FRONT</th>
<th>BACK</th>
</tr>
</thead>
</table>

**CONTROL BOX**

- Touch Panel
  - Heading: "HWH COMPUTERIZED LEVELING".
  - STORE function.
  - Air dump optional.
  - Air systems have DUMP & RAISE feature.

- Connecting cable between the control box and the touch panel is 3/8" wide, flat, eight-wire ribbon cable.
- Used for Air Leveling, Hydraulic Leveling, or combination Air/Hydraulic leveling.

**CONTROL BOX**

- Only blade style fuses will be found in a 600 Series control box.
- Control box is 3-1/2" x 9" x 14-1/2".

AUTOMOTIVE TYPE BLADE FUSES


8 WIRE CONNECTOR

REVERSE
**610 SERIES**

**PRODUCED: 1992 - 1993**
HWH® 610 Series, Computer-Controlled Hydraulic Leveling System
(with BI-AXIS® Touch Panel Control)
(NON-Central Ground)

**PRODUCED: 1993 - 2003**
HWH® 610 Series, Computer-Controlled Hydraulic Leveling System
(with BI-AXIS® Touch Panel Control)
(Central Ground)

<table>
<thead>
<tr>
<th>610 SERIES - NON-CENTRAL GROUND</th>
<th>PRODUCED: 1992-1993</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONTROL PANEL</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FRONT</strong></td>
<td><strong>BACK</strong></td>
</tr>
<tr>
<td><img src="image1" alt="Control Panel Diagram" /></td>
<td><img src="image2" alt="Control Box Diagram" /></td>
</tr>
<tr>
<td><strong>CONTROL BOX</strong></td>
<td></td>
</tr>
<tr>
<td>8 WIRE CONNECTOR</td>
<td>Control Box is 2-3/4&quot; x 4-1/2&quot; x 6-1/2&quot;.</td>
</tr>
<tr>
<td>• Touch Panel</td>
<td></td>
</tr>
<tr>
<td>• Heading: &quot;HWH COMPUTERIZED LEVELING”</td>
<td></td>
</tr>
<tr>
<td>• STORE function.</td>
<td></td>
</tr>
<tr>
<td>• Connecting cable between the control box and touch panel is a 3/8&quot; wide, flat, eight-wire ribbon cable.</td>
<td></td>
</tr>
<tr>
<td>• The warning switch harness at each jack has one plug only. It may be a one-wire or two-wire connector.</td>
<td></td>
</tr>
<tr>
<td>• The pump and manifold are one assembly.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>610 SERIES - CENTRAL GROUND</th>
<th>PRODUCED: 1993 - 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONTROL PANEL</strong></td>
<td><strong>BACK</strong></td>
</tr>
<tr>
<td><img src="image3" alt="Control Panel Diagram" /></td>
<td><img src="image4" alt="Control Box Diagram" /></td>
</tr>
<tr>
<td><strong>CONTROL BOX</strong></td>
<td></td>
</tr>
<tr>
<td>11 PIN CONNECTOR</td>
<td>Control Box is 2-3/4&quot; x 4-1/2&quot; x 7-1/2&quot;.</td>
</tr>
<tr>
<td>• Touch Panel</td>
<td></td>
</tr>
<tr>
<td>• Heading: &quot;HWH COMPUTERIZED LEVELING”</td>
<td></td>
</tr>
<tr>
<td>• Control Box</td>
<td></td>
</tr>
<tr>
<td>• Central ground.</td>
<td></td>
</tr>
<tr>
<td>• Connecting cable between the control box and touch panel is an eleven-pin cable assembly.</td>
<td></td>
</tr>
<tr>
<td>• The warning switch harness at each jack has two plugs, one single-wire and one two-wire connector.</td>
<td></td>
</tr>
<tr>
<td>• The pump and manifold are one assembly.</td>
<td></td>
</tr>
</tbody>
</table>
### 625 & 625S SERIES

**PRODUCED:** 2003 - PRESENT

HWH® 625 Series, Computer-Controlled **Hydraulic** Leveling System
(with BI-AXIS® Touch Panel Control)
(Programmable Sensing Unit)

**PRODUCED:** 2006

HWH® 625S Series, Leveleze® **Single-Step** Computer-Controlled **Hydraulic** Leveling System
(with BI-AXIS® Touch Panel Control)
(Programmable Sensing Unit)

### 625 SERIES

**PRODUCED:** 2003 - PRESENT

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>CONTROL BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>BACK</td>
</tr>
<tr>
<td><img src="image1" alt="Touch Panel" /></td>
<td><img src="image2" alt="Control Box" /></td>
</tr>
<tr>
<td>• Touch Panel</td>
<td>• Control box has an 8” x 11” clear plastic cover.</td>
</tr>
<tr>
<td>• Heading: “HWH COMPUTERIZED LEVELING”</td>
<td>• Control box is mounted to the pump tray.</td>
</tr>
<tr>
<td>• Lower middle green indicator light is labeled “TRAVEL MODE” not “TRAVEL”.</td>
<td>• Electronic programmable level sensor is mounted inside control box.</td>
</tr>
</tbody>
</table>

### 625S (SINGLE STEP) SERIES

**PRODUCED:** 2006

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>CONTROL BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>BACK</td>
</tr>
<tr>
<td><img src="image3" alt="Touch Panel" /></td>
<td><img src="image4" alt="Control Box" /></td>
</tr>
<tr>
<td>• Touch Panel</td>
<td>• Control box has a five-pin connector on back.</td>
</tr>
<tr>
<td>• Heading: “HWH COMPUTERIZED LEVELING”</td>
<td>• Six-pin connector <em>may not</em> be present on back of touch panel.</td>
</tr>
<tr>
<td>• Touch Panel has an outline around the manual UP and DOWN arrows.</td>
<td>• Control box has an 8” x 11’ clear plastic cover.</td>
</tr>
<tr>
<td>• Lower middle green indicator light is labeled “TRAVEL MODE” not “TRAVEL”.</td>
<td>• Control box is mounted to the pump tray.</td>
</tr>
<tr>
<td><img src="image5" alt="Jack Warning Switch Plugs" /></td>
<td>• Electronic programmable level sensor is mounted inside control box.</td>
</tr>
</tbody>
</table>

• The jack warning switch plugs are grey.  
• Used for hydraulic leveling only.
### 680 SERIES

**PRODUCED: 1997 - 2002**
HWH® 680 Series, Computer-Controlled **Hydraulic** Leveling System
(with BI-AXIS® Touch Panel Control)

**PRODUCED: YYYY - YYYY**
HWH® 680 Series, Computer-Controlled **Air** Leveling System
(with BI-AXIS® Touch Panel Control)

**PRODUCED: YYYY - YYYY**
HWH® 680 Series, Computer-Controlled **Air/Hydraulic** Leveling System
(with BI-AXIS® Touch Panel Control)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>BACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td></td>
</tr>
<tr>
<td><strong>CONTROL BOX</strong></td>
<td></td>
</tr>
</tbody>
</table>

- Touch Panel
- Heading: “HWH COMPUTERIZED LEVELING”

- Touch panel has an eight-wire connector on back.

- Control box is 3-1/2” x 14-1/2” x 19”.
  - Control box is 3-1/2” deep.

- Used for Air Leveling or combination Air/Hydraulic Leveling
- Connecting cable between the control box and touch panel is a 2/8” wide, flat, eight-wire ribbon cable.
### 7XX SERIES

#### 700 SERIES

**PRODUCED:** YYYYY - PRESENT  
HWH® 700S Series, Leveleze® Single-Step Computer-Controlled Air Leveling System  
(with BI-AXIS® Touch Panel Control)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>SENSING UNIT &amp; I/O CONTROL MODULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>BACK</td>
</tr>
</tbody>
</table>

- **SENSING UNIT & I/O CONTROL MODULE** (NO CONTROL BOX)
- **Potted Electronic Sensing Unit (above)**
- **Potted Multiplexed Input Output Module (“MIOM”) (above)**

- Touch Panel
  - Heading: “HWH COMPUTERIZED LEVELING”
  - Lower middle green indicator light is labeled “TRAVEL MODE” not “TRAVEL”.

- Touch panel has a five-pin connector on back.
  - Touch panel has a _________ on back.

- MIOM located at each air manifold.
- MIOM replaces typical control box.
- Potted electronic (rectangular) sensing unit is remote-mounted with three screws and three springs.

- Use for Air Leveling

#### 725 SERIES

**PRODUCED:** YYYYY - PRESENT  
HWH® 725 Series, Computer-Controlled Hydraulic Leveling System  
(with BI-AXIS® Touch Panel Control) (Kick-Down Jacks)

**PRODUCED:** YYYYY - YYYY  
HWH® 725S Series, Leveleze® Single-Step Computer-Controlled Hydraulic Leveling System  
(with BI-AXIS® Touch Panel Control) (Straight-Acting Jacks)

**PRODUCED:** YYYYY - YYYY  
HWH® 725S Series, Leveleze® Single-Step Computer-Controlled Hydraulic Leveling and Landing Gear System  
(with BI-AXIS® Touch Panel Control) (Straight-Acting Jacks)

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>SENSING UNIT &amp; I/O CONTROL MODULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>BACK</td>
</tr>
</tbody>
</table>

- **SENSING UNIT & I/O CONTROL MODULE** (NO CONTROL BOX)
- **Potted Electronic Sensing Unit (above)**
- **Potted Multiplexed Input Output Module (“MIOM”) (above)**

- Touch Panel
  - Heading: “HWH COMPUTERIZED LEVELING”
  - Touch panel "manual" operations enclosed with white outline.
  - Lower middle green indicator light is labeled “TRAVEL MODE” not “TRAVEL”.

- Touch panel has a five-pin connector on back.
  - Touch panel has a _________ on back.

- MIOM mounted on pump.
- MIOM replaces typical control box.
- Potted electronic (rectangular) sensing unit is remote-mounted with three screws and three springs.

- All 725 Series are Single-Step, unless they have kick-down jacks.
- Can have Auxiliary Hand-Pump Control.
- Use for Hydraulic leveling.
### 2000 SERIES (PRODUCED: 2001 - PRESENT)

**HWH® 2000 Series, Computer-Controlled Hydraulic Leveling and/or Landing Gear System**

- **Produced:** YYYY - YYYY
- HWH® 2000 Series, Computer-Controlled Hydraulic Leveling System (with BI-AXIS® Touch Panel Control)
- **Produced:** YYYY - YYYY
- HWH® 2000 Series, Computer-Controlled Air Leveling System (with BI-AXIS® Touch Panel Control)
- **Produced:** YYYY - YYYY
- HWH® 2000 Series, Computer-Controlled Air/Hydraulic Leveling System (with BI-AXIS® Touch Panel Control)
- **Produced:** YYYY - YYYY
- HWH® 2000 Series, Leveleze® Single-Step Computer-Controlled Air Leveling System (with BI-AXIS® Touch Panel Control)
- **Produced:** YYYY - YYYY
- HWH® 2000S Series, Leveleze® Single-Step Computer-Controlled Hydraulic Leveling System (with BI-AXIS® Touch Panel Control)
- **Produced:** YYYY - YYYY
- HWH® 2000 Series, Computer-Controlled Precision Hydraulic Leveling System (with BI-AXIS® Touch Panel Control, for Motorized Vehicles)
- **Produced:** YYYY - YYYY
- HWH® 2000 Series, Computer-Controlled Precision Hydraulic Leveling System (with BI-AXIS® Touch Panel Control, for Non-Motorized Vehicles)

### CONTROL PANEL

#### FRONT

- **HWH COMPUTERIZED LEVELING**
- **REVERSE**
- 5 PIN CONNECTOR

#### BACK

- Touch Panel
  - Heading: “HWH COMPUTERIZED LEVELING"
  - Lower Middle green indicator light is labeled “TRAVEL MODE” not “TRAVEL”.
- Touch panel has a five-pin connector on back.

#### SENSING UNIT & CONTROL BOX

- **ELECTRICAL LEVEL SENSOR MOUNTED INSIDE CONTROL BOX**
- Control box has an 8” x 11” clear plastic cover.
- Control boxes are stacked.
- Electronic (rectangular) level sensor is mounted inside of control box.

- Use for Air Leveling or combination Air/Hydraulic Leveling.
- Can have Auxiliary Hand-Pump Control.
**HAND-PUMP**

### 2-POINT LANDING GEAR
**PRODUCED: YYYY - YYYY**
HWH® 2-Point Landing Gear System - Hand/Electric Pump
(Toggle/Momentary Switch-Controlled) or (Rocker/Momentary Switch-Controlled)
(Remote Operating Panel)
(Electric Motor / Solenoid Pump) (Manual Hand Pump as Back-Up)
(ML42337)

### 4-POINT LEVELING / LANDING GEAR
**PRODUCED: YYYY - YYYY**
HWH® 4-Point Leveling / Landing Gear System - Hand/Electric Pump
(Computer-Controlled Touch Panel Full Leveling) (Remote Operating Panel)
(Electric Motor / Solenoid Pump) (Manual Hand Pump as Back-Up)
(ML43108)

### 4-POINT LEVELING / LANDING GEAR
**PRODUCED: YYYY - YYYY**
HWH® 4-Point Leveling / Landing Gear System - Hand/Electric Pump
(Hydraulic Switch-Controlled Leveling) (Operation at Pump)
(Electric Motor Pump) (Manual Hand Pump as Back Up)
(Optional Leveleze® Indicator Light Package)
(ML42335)

### 4-POINT LEVELING / LANDING GEAR
**PRODUCED: YYYY - YYYY**
HWH® 4-Point Leveling / Landing Gear System - Hand/Electric Pump
(Hydraulic Switch-Controlled Leveling) (Operation at Pump)
(Manual Hand Pump - No Motor) (NO ELECTRIC POWER REQUIRED)
(ML42336)

### EMERGENCY JACK SYSTEM
**PRODUCED: YYYY - YYYY**
HWH® 4-Point Emergency Jack System
(Toggle Switch-Controlled) (Remote Pendant Operating Panel)
(No Indicator or Warning Lights)
(Electric Motor Pump) (Manual Hand Pump as Back Up)
(Operator Manual# ML46130)

PICTURE - GET FROM MP35.9953
## ACTIVE AIR SUSPENSION

HWH® Active Air Suspension & Computer-Controlled **Air Leveling System**  
(with BI-AXIS® Control)  
(with Color LCD Control Module Panel) or (with Monochrome LCD Control Module Panel)  
(Hydraulic Leveling Optional)

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