

Features & Benefits of “HWH® Leveling Systems”

HWH® pioneered RV Leveling Systems and has been supplying the industry since 1967. Our work force takes great pride in producing the finest leveling systems available in the industry and we make it a priority to back up our products with unparalleled after-sales support.

FEATURES

BENEFITS

Jack Lifting Capacity Options	<ul style="list-style-type: none">● Jacks are manufactured in a broad range of lifting capacities (3,000#, 4,000#, 6,000#, 9,000#, 12,000#, 16,000# & 24,000# per jack). This allows HWH® to equip all RV sizes, including Van Conversions, Class A, B & C RVs, Fifth Wheels, Travel Trailers, Buses and a wide range of Specialty and Commercial Vehicles.
Jack Style Options	<ul style="list-style-type: none">● Jacks are manufactured in straight-acting, kick-down, telescoping, spring-retraction and power-retraction jack styles. This allows systems to be installed on virtually any RV, even RVs with complicated jack mounting clearances.
Control Panel Options	<ul style="list-style-type: none">● Controls are available in four basic styles; Hydraulic Switch/Lever, Joystick, Touch Panel (Non Computerized) and Touch Panel (Computerized). This allows the operator to choose the control option that best suits their leveling needs.
Hydraulic Lifting Power	<ul style="list-style-type: none">● Enables efficient lifting of all applications, large and small.● Reliability and durability are proven characteristics of hydraulic systems.
Air Leveling Option	<ul style="list-style-type: none">● Air leveling allows coaches to level and stabilize using the RV air bags. This is advantageous for quick stays and also when the RV is parked on soft ground.
Exclusive BI-AXIS* Leveling (Patented)	<ul style="list-style-type: none">● Chassis rails stay within a common plane because jacks always operate in pairs● Minimizes twist to the coach structure, which can cause RV damage.
RV Stabilizing	<ul style="list-style-type: none">● Minimizes RV sway/rocking caused by interior and exterior forces.
Leveleze® Light System	<ul style="list-style-type: none">● System of lights guide the operator quickly and reliably through the leveling process.● Simplifies operation.
Excellent Cold-Climate Performance	<ul style="list-style-type: none">● HWH® Specialty Hydraulic Oil improves system operation at colder temperatures. (Pour-point rated at -50 degrees Fahrenheit.)
Component Sharing	<ul style="list-style-type: none">● HWH® leveling and room extension systems share their pump and oil reservoir, minimizing added weight (and cost) to the RV.● Less weight contributes to increased fuel efficiency.
Chassis Manufacturer Communication	<ul style="list-style-type: none">● HWH® works directly with chassis manufacturers on recommended mounting holes and locations. This makes installations more efficient.
Bolt-On Jacks	<ul style="list-style-type: none">● Eliminates liabilities associated with welding to frames.● Custom, bolt-on mounting brackets solve difficult mounting situations.
Corrosion Resistant Jack Rods	<ul style="list-style-type: none">● Provides corrosion resistance against salt and air.● Deters pitting and rust which can cause hydraulic seals to fail over time.● Extends the life of the rods.
Superior Electrical Construction	<ul style="list-style-type: none">● Weather tight electrical connections, sealed warning switches, custom engineered seals and plug-in harness connections ensure a reliable system.



More Features & Benefits



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STRONG, RELIABLE, HYDRAULIC POWER

More Features & Benefits of "HWH® Leveling Systems"

FEATURES

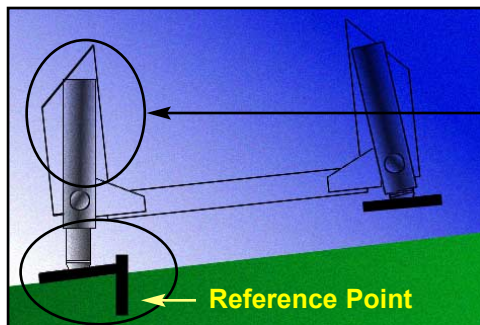
BENEFITS

"Spring" Jack Retraction Option	<ul style="list-style-type: none"> ● Jacks can be retracted in the event of a hydraulic or electrical power failure. (Prevents being stranded with your jacks down.)
"Power" Jack Retraction Option	<ul style="list-style-type: none"> ● Jacks can be retracted faster (in some circumstances). ● Jacks can be retracted independently of each other.
Manual "Hand-Pump" Jack Retraction/Extension Option	<ul style="list-style-type: none"> ● Jacks can be manually extended/retracted (hydraulically), with an easy-to-use hand pump. (Doesn't require electricity.)
Hollow Jack Rods (Fuel Savings)	<ul style="list-style-type: none"> ● Minimizes added weight to the RV, contributing to increased fuel economy. ● Maximizes strength-to-weight ratios. ● Strength is not compromised. (HWH® utilizes the same design principals used in the design of Aircraft Landing Gear Rods, strong enough to support a 747 Aircraft.)
Jack Feet Are Sized Appropriately	<ul style="list-style-type: none"> ● Jack feet (foot pads) are sized in proportion to the weight of the motor home, ranging up to 12" x 12" per foot. This minimizes bulk and added weight to the RV.
Outward Jack Pivoting Action on Straight-Acting Jacks	<ul style="list-style-type: none"> ● Minimizes sliding of the jack foot when coach sides are lifted. ● Minimizes side-loading to the RV structure and jack leg. ● Maximizes stability because the outward angle braces the RV. <p>See Illustration Below</p>
Ball & Socket Jack Foot Connection on Straight-Acting Jacks	<ul style="list-style-type: none"> ● Reduces bending stresses in rods. ● Maximizes foot-to-ground contact and stability. <p>See Illustration Below</p>

"HWH®" Leveling (with Straight-Acting Jacks)

BEFORE LEVELING (Initial Jack Extension Stage)

The left jacks extend at a 7 degree angle to level the coach.

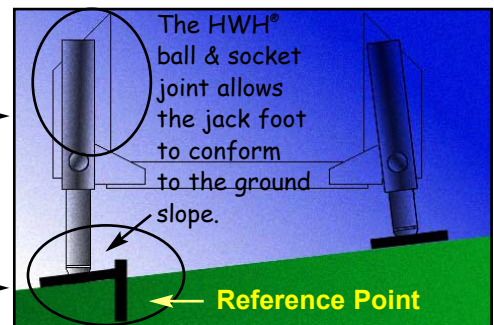


Reference Point

Notice the change in the angle between the cylinder and the pivot bracket.

Notice that the HWH® jack foot does NOT shift.

AFTER LEVELING (Final Jack Extension Stage)



Reference Point

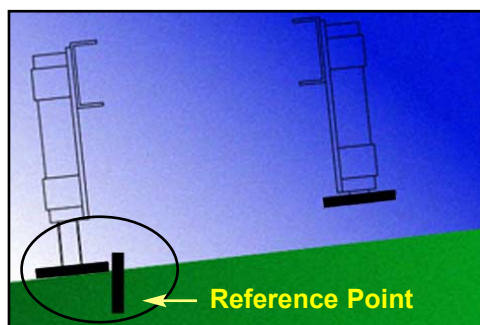
The HWH® ball & socket joint allows the jack foot to conform to the ground slope.

HWH® Jack Retraction Springs Have Been Omitted For Clarification Purposes.

The "Competition's" Leveling

BEFORE LEVELING (Initial Jack Extension Stage)

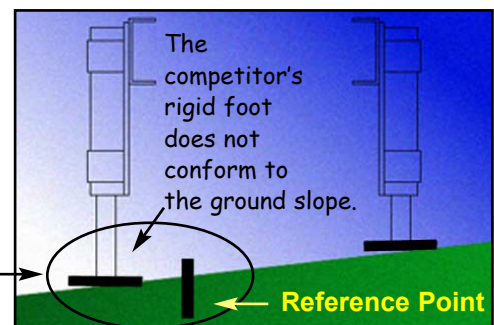
The left jack extends to level the coach.



Reference Point

Notice that the competitor's jack foot has SHIFTED SIGNIFICANTLY.

AFTER LEVELING (Final Jack Extension Stage)



Reference Point

The competitor's rigid foot does not conform to the ground slope.

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