HWH® MANUALS SERVICE MANUALS - ALL SYSTEMS

(Filename: ML54800_SRVC.XLS) (Revised: 05APR19)

Printable File

Click here to identify which SYSTEM you have. (ML17785_01_NOM_PR.HTML)

- ? Hydraulic Systems with Hand Pump-Control
- ? Leveling Systems (with NO HWH® Slide-Outs)
- ? Slide-Out Systems (with HWH® Leveling System)
- ? Slide-Out Systems (with NO HWH® Leveling System)
- ? Travel Clamps for Slide-Outs

ABBREVIATIONS:

KD = Kick-Down | SA = Straight-Acting

Hand-Pump Hydraulic Systems

HWH® SERVICE MANUAL DESCRIPTION	Leveling Method (Air or Jacks)	HWH Slide-Out Status	Air Dump Feature	Service Manual (Click to Open)
HWH® Hand Pump Hydraulic Systems (All Models) Priming the Hand Pump Power-Retract and Spring-Retract Jacks.	JACKS			MP44.0009

Leveling Systems (with NO HWH® Slide-Outs)

HWH® SERVICE MANUAL DESCRIPTION	Leveling Method (Air or Jacks)	HWH Slide-Out Status	Air Dump Feature	Service Manual (Click to Open)
"PILOT OPERATED" AIR DUMP SYSTEMS	-			
Winnebago® MOTORIZED VEHICLES HWH® 200 Series, Joystick-Control Hydraulic Leveling HWH® 310 Series, Touch Panel-Control Hydraulic Leveling HWH® 610 Series, Computer-Control Hydraulic Leveling Pilot Operated Air Dump NO HWH® SLIDE-OUTS	JACKS		AIR DUMP	ML24343
2XX SERIES	<u> </u>		I I	
———— VEHICLES HWH® 200/210/225 Series, Joystick-Control Hydraulic Leveling Kick-Down or Straight-Acting Jacks With or Without HWH® Air Dump (No Pilot Air Dump Information) NO HWH® SLIDE-OUTS	KD or SA JACKS		AIR DUMP	ML23934
3XX SERIES	· · · · · · · · · · · · · · · · · · ·		ı	
— VEHICLES HWH® 310 Series, Touch Panel-Control Hydraulic Leveling Kick-Down or Straight-Acting Jacks Central Grounding With or Without HWH® Air Dump (No Pilot Air Dump Information) NO HWH® SLIDE-OUTS	KD or SA JACKS		AIR DUMP	ML13514
VEHICLES HWH® 305/325 Series Touch Panel-Control Hydraulic Leveling Central Grounding Straight-Acting Jacks With or Without HWH® or Pilot Air Dump The Touch Panel DOES NOT HAVE a "Not in Park/Brake" Light" Short PC Board in Control Box NO HWH® SLIDE-OUTS	SA JACKS		AIR DUMP	ML33832
WEHICLES HWH® 325 Series, Touch Panel-Control Hydraulic Leveling With or Without HWH® or Pilot Air Dump The Touch Panel HAS a "Not in Park/Brake" Light Full Size PC Board In Control Box. NO HWH® SLIDE-OUTS	IVCKS		AIR DUMP	ML37640
4XX SERIES			ı	
VEHICLES HWH® 400 Series , Computer-Control Hydraulic Leveing (with NON-BIAXIS(R) Paddle Switch Control) Individual Jack Control Kick-Down or Straight-Acting Jacks With or Without HWH® Air Dump NO HWH® SLIDE-OUTS	KD or SA JACKS		AIR DUMP	<u>ML7879</u>
5XX SERIES				
———— VEHICLES HWH® 500 Series, Computer-Control AIR Leveling (Touch Panel Control) Wide Ribbon Touch Panel Cable Automotive Type Fuses NO HWH® SLIDE-OUTS	AIR		AIR DUMP	ML22362
— VEHICLES HWH® 510 Series, Computer-Control Hydraulic Leveling (Touch Panel Control) Kick-Down Jacks NO HWH® SLIDE-OUTS	KD			<u>ML7820</u>
6XX SERIES				

Foretravel® MOTORIZED VEHICLES HWH® 600 Series, Computer-Control AIR Leveling (Touch Panel Control) Narrow, Modular Touch Panel Cable NO HWH® SLIDE-OUTS	AIR	AIR DUMP	<u>ML11148</u>
———— VEHICLES HWH® 600 Series, Computer-Control AIR Leveling (Touch Panel Control) Narrow, Modular Touch Panel Cable. NO HWH® SLIDE-OUTS	AIR	AIR DUMP	<u>ML19048</u>
————VEHICLES HWH® 610 Series, Computer-Control Hydraulic Leveling (Touch Panel Control) NOT Central Grounded Single Hose Single Plug Warning/Pressure Switch Harness Three-Wire Jack Warning Switches with Two Packard® Connectors Kick-Down Jacks With Pressure Switches Optional HWH® Air Dump NO HWH® SLIDE-OUTS	KD JACKS	Optional AIR DUMP	<u>ML9138</u>
VEHICLES HWH® 610 Series, Computer-Control Hydraulic Leveling Single Hose Central Grounding Central Grounded Warning/Pressure Switch Harness With Two Packard® Connectors Two-Wire Warning Switches With One Two Pin Packard® Connector Kick-Down Jacks With Pressure Switches Optional HWH® Air Dump NO HWH® SLIDE-OUTS	KD JACKS	Optional AIR DUMP	<u>ML1679</u>
HWH® 610 Series, Computer-Control Hydraulic Leveling (Touch Panel Control) Single Hose Central Grounding Central Grounded Warning/Pressure Switch Harness With Two Packard® Connectors Two-Wire Warning Switch With One Two Pin Packard® Connector Straight-Acting Jacks With Pressure Switches With or Without HWH® Air Dump NO HWH® SLIDE-OUTS	SA JACKS	AIR DUMP	<u>ML1681</u>
————VEHICLES HWH® 625 Series, Computer-Control Hydraulic Leveling (Touch Panel Control) Control Box With Plexiglass Cover Straight-Acting Jacks With Pressure Switches With or Without HWH® or Pilot Air Dump NO HWH® SLIDE-OUTS	SA JACKS	AIR DUMP	ML35963
HWH® 625S Series, Leveleze® Single-Step Computer-Control Hydrauic Leveling (Touch Panel Control) With Remote Rocker Switches Control Box With Plexiglass Cover Straight-Acting Jacks With Pressure Switches With or Without HWH® or Pilot Air Dump NO HWH® SLIDE-OUTS	SA JACKS	AIR DUMP	ML41240
7XX SERIES			
— VEHICLES HWH® 725 Series , Leveleze® Single Step Computer-Control Hydraulic Leveling (Touch Panel Control) I/O Module On Pump Assembly Straight Acting Jacks With Pressure Switches With or Without HWH® or Pilot Air Dump NO HWH® SLIDE-OUTS BLACK 32 PIN MIOM STRIKE CONNECTOR WITH RED LATCH	SA JACKS	AIR DUMP	ML48380

HWH® 725 Series, Leveleze® Single Step Computer-Control Hydraulic Leveling (Touch Panel Control) I/O Module On Pump Assembly Straight Acting Jacks With Pressure Switches With or Without HWH® or Pilot Air Dump NO HWH® SLIDE-OUTS GRAY 35 PIN MIOM AMPSEAL CONNECTOR	SA JACKS	1	AIR DUMP	ML59932
VEHICLES HWH® 700 Series Leveleze Single-Step Computer-Controlled Air Leveling System (with BI_AXIS Touch Panel Control) NO HWH® Spacemaker Slide-Out System(s)	AIR	ı	AIR DUMP	ML59101
2000 SERIES				
HWH® 2000 Series, Computer-Control AIR Leveling (Touch Panel Control) Single Two-Ring CAN Box With or Without Tag Axle NO HWH® SLIDE-OUTS	AIR	1	AIR DUMP	ML31043

Slide-Out Systems (with HWH® Leveling System)

HWH® SERVICE MANUAL DESCRIPTION	Leveling Method (Air or Jacks)	HWH Slide-Out Status	Air Dump Feature	Service Manual (Click to Open)
MOTORIZED VEHICLES HWH® "Rail" Slide-Out (with Rack Sensing Valve) HWH® "Single Cylinder" Slide-Out HWH® 200 Series, Joystick-Control Hydraulic Leveling	JACKS	1 or 2 SLIDE-OUTS		ML13633
Winnebago® MOTORIZED VEHICLES HWH® "Rail" Slide-Out (with Rack Sensing Valve) HWH® 200 Series, Joystick-Control Hydraulic Leveling	JACKS	SLIDE-OUT		<u>ML11570</u>
MOTORIZED VEHICLES HWH® "Rail" Slide-Out (with Rack Sensing Valve) HWH® "Single Cylinder" Slide-Out HWH® 310 Series, Touch Panel-Control Hydraulic Leveling	JACKS	1 or 2 SLIDE-OUTS		ML12771
HWH® "Rail" Slide-Out (with Rack Sensing Valve) HWH® "Single Cylinder" Slide-Out HWH® 610 Series, Computer-Contro Hydraulic Leveling	JACKS	1 or 2 SLIDE-OUTS		ML12726
Winnebago® MOTORIZED VEHICLES HWH® "Rail" Slide-Out (with Rack Sensing Valve) HWH® 610 Series, Computer-Control Hydraulic Leveling	JACKS	SLIDE-OUT		ML11759
MOTORIZED VEHCILES HWH® "Rail" Slide-Out (with Sync Cylinder) HWH® "Vertical Arm" Slide-Out (with Sync Cylinder) HWH® 200/210 Series, Joystick-Control Hydraulic Leveling	JACKS	SLIDE-OUTS		ML21958
MOTORIZED VEHICLES HWH® "Rail" Slide-Out (With Sync Cylinder) HWH® "Vertical Arm" Slide-Out (With Sync Cylinder) HWH® 310 Series, Touch Panel-Controlled Hydraulic Leveling	JACKS	SLIDE-OUTS		ML21956
Winnebago® MOTORIZED VEHCILES HWH® "Guided" Slide-Out HWH® "Dual Cylinder" Slide-Out (With Sync Cylinder) HWH® "Level Out" Slide-Out (with Sync Cylinder) HWH® 310 Series, Touch Panel-Control Hydraulic Leveling HWH® 610 Series, Computer-Control Hydraulic Leveling	JACKS	SLIDE-OUTS		ML23521
Winnebago® MOTORIZED VEHCILES One HWH® "Dual Cylinder" Slide-Out (with Sync Cylinder) (OR) One HWH® "Level Out (aka "Flat Floor")" Slide-Out (with Sync Cylinder) (AND) One HWH® "Four Cylinder" Slide-Out (with Sync Cylinder) HWH® 310 Series, Touch Panel-Control Hydraulic Leveling HWH® 610 Series, Computer-Control Hydraulic Leveling	JACKS	SLIDE-OUTS		ML23522

Slide-Out Systems (with NO HWH® Leveling System)

HWH® SERVICE MANUAL DESCRIPTION	Leveling Method (Air or Jacks)	HWH Slide-Out Status	Air Dump Feature	Service Manual (Click to Open)
National RV® NON-MOTORIZED VEHICLES HWH® "Rail" Slide-Out (with Rack Sensing Valve) HWH® "Single Cylinder" Slide-Out		SLIDE-OUTS		ML10709
MOTORIZED & NON-MOTORIZED VEHICLES HWH® "Rail" Slide-Out (with Rack Sensing Valve) HWH® "Single Cylinder" Slide-Out		SLIDE-OUTS		ML11573

Travel Clamps for Slide-Outs

HWH® SERVICE MANUAL DESCRIPTION	Leveling Method (Air or Jacks)	HWH Slide-Out Status	Air Dump Feature	Service Manual (Click to Open)
Manual Control				
WEHICLES HWH® Travel Clamps Automatic Slide-Out Retention System (Two-Button Operation - One for Slide-Out/One for Clamp) Dual-Rocker-Switch Control Panel HWH® SLIDE-OUT SYSTEM HWH® 225 Series, Joystick-Control Hydraulic Leveling	JACKS	HWH® SLIDE OUTS		<u>ML41035</u>
HWH® 325 Series, Computer-Control Hydraulic Leveling WEHICLES HWH® Travel Clamps Automatic Slide-Out Retention System (Two-Button Operation - One for Slide-Out/One for Clamp) Dual-Rocker-Switch Control Panel HWH® SLIDE-OUT SYSTEM NO HWH® LEVELING SYSTEM (OR) HWH® 325 Series, Touch Panel-Control Hydraulic Leveling (OR)		HWH® SLIDE OUTS		ML41213
Fleetwood® VEHICLES HWH® Travel Clamps Automatic Slide-Out Retention System (Two-Button Operation - One for Slide-Out/One for Clamp) Dual-Rocker-Switch Control Panel Single Clamp NO HWH® SLIDE-OUT SYSTEM NO HWH® LEVELING SYSTEM				<u>ML41205</u>
Automatic Control				
Fleetwood® VEHICLES HWH® Travel Clamps Automatic Slide-Out Retention System (One-Button Operation for Slide-Out and Clamp) (Key Switch & Single-Rocker-Switch Control Panel) NO HWH® SLIDE-OUT SYSTEM NO HWH® LEVELING SYSTEM				ML35976
HWH® Travel Clamps Automatic Slide-Out Retention System (One-Button Operation for Slide-Out and Clamp) (Key Switch & Single-Rocker-Switch Control Panel) Travel Clamp Control Box Number AP29038 - All Serial #s HWH® SLIDE-OUT SYSTEM NO HWH® LEVELING SYSTEM (OR) HWH® 325 Series, Touch Panel-Control Hydraulic Leveling (OR) HWH® 625 Series, Computer-Control Hydraulic Leveling		HWH® SLIDE-OUT		ML39511

HWH® IDE-OUT	— VEHICLES HWH® Travel Clamps Automatic Slide-Out Retention System (One-Button Operation for Slide-Out and Clamp) (Key Switch & Single-Rocker-Switch Control Panel) Travel Clamp Control Box Number AP40484 - All Serial #'s HWH® SLIDE-OUT SYSTEM NO HWH® LEVELING SYSTEM (OR) HWH® 325 Series, Touch Panel-Control Hydraulic Leveling (OR) HWH® 625 Series, Computer-Control Hydraulic Leveling
ML41167	Fleetwood®VEHICLES HWH® Travel Clamps Automatic Slide-Out Retention System (One-Button Operation for Slide-Out and Clamp) (Key Switch & Single-Rocker-Switch Control Panel) Travel Clamp Control Box Number AP34567 - Serial # 9,999 or Smaller NO HWH® SLIDE-OUT SYSTEM NO HWH® LEVELING SYSTEM
ML41142	WEHICLES HWH® Travel Clamps Automatic Slide-Out Retention System (One-Button Operation for Slide-Out and Clamp) (Key Switch & Single-Rocker-Switch Control Panel) Travel Clamp Control Box Number AP40185 - All Serial #'s Travel Clamp Control Box Number AP34567 - Serial # 10,000 or Greater NO HWH® SLIDE-OUT SYSTEM NO HWH® LEVELING SYSTEM