HYDRAULIC SCHEMATICS

HWH® HYDRAULIC SPACEMAKER®
ROOM EXTENSION SYSTEMS

FEATURING:
Universal Level Out
With
Platform Lift
Hose A Procedure

HWH CORPORATION
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HYDRAULIC SCHEMATIC - ULO PLATFORM
ROOM CYLINDERS RETRACTED - PLATFORM CYLINDERS RETRACTED
ROOM OUT AND DOWN

VALVE A - ROOM RETRACT CYLINDERS EXTEND

VALVE B - ROOM EXTEND CYLINDERS RETRACT

WHEN ROOM CYLINDERS ARE RETRACTED, ROOM IS EXTENDED.

WHEN LIFT CYLINDERS ARE RETRACTED, ROOM IS DOWN.

THIS ROD WILL PUSH THE CHECK BALL OFF THE SEAT WHEN THE SYNC CYLINDER IS FULLY EXTENDED.
HYDRAULIC SCHEMATIC - ULO PLATFORM
ROOM CYLINDERS RETRACTED - PLATFORM CYLINDERS RETRACTED
ROOM OUT AND DOWN - READY FOR HOSE (A) PROCEDURE

VALVE A - ROOM RETRACT CYLINDERS EXTEND
VALVE B - ROOM EXTEND CYLINDERS RETRACT

WHEN ROOM CYLINDERS ARE RETRACTED, ROOM IS EXTENDED.
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THIS DRAWING INDICATES POSITION OF ALL CYLINDERS BEFORE STARTING A HOSE (A) PROCEDURE AND TESTING.
HYDRAULIC SCHEMATIC - ULO PLATFORM
ROOM OUT AND DOWN - STARTING HOSE (A) PROCEDURE
ROOM CYLINDERS RETRACTED - PLATFORM CYLINDERS EXTENDING

VALVE A - ROOM RETRACT CYLINDERS EXTEND
VALVE B - ROOM EXTEND CYLINDERS RETRACT

SYMBOL INDICATES FLOW OF FLUID
SYMBOL INDICATES PUMP PRESSURE WITH NO FLOW

ROOM CYLINDERS SHOULD NOT MOVE UNTIL LIFT CYLINDERS ARE FULLY EXTENDED
WHEN ROOM CYLINDERS ARE RETRACTED, ROOM IS EXTENDED.

AS THE LIFT CYLINDERS EXTEND, THE ROOM RAISES.

PLATFORM LIFT ASSIST CYLINDER
PLATFORL LIFT ASSIST CYLINDER
MAIN PLATFORM LIFT CYLINDER

JUNCTION MANIFOLD

SYMBOL INDICATES PUMP PRESSURE WITH NO FLOW

O - RING
O - RING
O - RING

1100 TO 1300 PSI ON ROD SIDE TO OPEN PILOT CHECK
THIS ROD WILL PUSH THE CHECK BALL OFF THE SEAT WHEN THE SYNC CYLINDER IS FULLY EXTENDED

1000 PSI

ROOM CYLINDERS RETRACTED - PLATFORM CYLINDERS EXTENDING

ROOM CYLINDERS
VALVE B - ROOM EXTEND CYLINDERS RETRACT

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HYDRAULIC SCHEMATIC - ULO PLATFORM

FINISHING HOSE (A) PROCEDURE - ROOM UP AND RETRACTING
LIFT CYLINDERS EXTENDED - ROOM CYLINDERS EXTENDING

ROOM CYLINDERS SHOULD START TO EXTEND AFTER LIFT CYLINDERS ARE FULLY EXTENDED

WHEN LIFT CYLINDERS ARE EXTENDED, ROOM IS UP.

AS ROOM CYLINDERS EXTEND, ROOM RETRACTS.

O - RING

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ROOM CYLINDERS EXTEND, ROOM RETRACTS.

CAP END

SYNC CYLINDER

O - RING

1000 PSI

JUNCTION MANIFOLD

PLATFORM LIFT ASSIST CYLINDER

MAIN PLATFORM LIFT CYLINDER

1000 PSI

1000 PSI

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