HYDRAULIC LINE CONNECTION DIAGRAMS

HWH® SPACEMAKER® SLIDE-OUT SYSTEMS

FEATURING:
Dual-Cylinder "Universal Platform Level-Out (UPLO)" Slide-Out System
With
Three Lift Cylinders
Synchronizing Cylinder Box

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E & F - LINES ARE HIGH PRESSURE HOSE OR TUBE SUPPLIED WITH THE MECHANISMS
G - HOSES MUST BE HIGH PRESSURE HOSE
IMPORTANT: REFER TO HOSE LABELS TO MAINTAIN PROPER CONNECTIONS

ROD END CONNECTION

* REFER TO HOSE LABEL FOR HOSE LENGTH. SHORT HOSE IS THE ROD END CONNECTION

* ROD END CONNECTION

* CAP END CONNECTION

TO HYDRAULIC MANIFOLD CONNECTIONS
MAIN POWER UNIT ASSEMBLY
SEE MP64.9900

CAP END CONNECTION (B)

ROD END CONNECTION (A)

SYNC CYLINDER HYDRAULIC BOX

SYNC CYLINDER

MANIFOLD

PROPER MANIFOLD CONNECTIONS MUST BE MAINTAINED

ROOM LIFT CYLINDERS (3)
**HYDRAULIC LINE CONNECTION DIAGRAM**

**SLIDE-OUT LINE CONNECTIONS AT THE MANIFOLD**

**ALL HWH SLIDE-OUT MECHANISMS**

- **POWER UNIT WITH LEVELING MANIFOLD**
- **JACK HOSE CONNECTIONS**
- **SLIDE-OUT CYLINDER CONNECTIONS**
- **ROD END CONNECTION**
- **CAP END CONNECTION**
- **SLIDE-OUT CYLINDER RETRACT VALVE**
- **★ ROD END CONNECTION SINGLE SLIDE-OUT SYSTEMS**


HOSE CONNECTIONS AT THE MANIFOLD ARE CRITICAL. IMPROPER HOSE ROUTING WILL CAUSE INCORRECT SLIDE-OUT FUNCTION AND CAN CAUSE SEVERE DAMAGE TO SLIDE-OUT CYLINDERS OR SOLENOID VALVES. IF A ROD AND CAP END HOSE ARE REVERSED FOR A SLIDE-OUT, THE SLIDE-OUT CYLINDER(S) WILL EXTEND BUT NOT RETRACT.

THE ROD AND CAP HOSES MUST GO TO THE CORRECT FITTINGS IN LINE WITH THE CORRECT EXTEND AND RETRACT VALVES FOR THE SLIDE-OUT. IF THE ROD END OR CAP END HOSES FOR TWO SLIDE-OUTS ARE SWAPPED, EXTREME PRESSURE WILL DAMAGE THE SOLENOID VALVES OR SLIDE-OUT CYLINDERS.

CONNECTION INFORMATION ON THIS PAGE IS THE SAME FOR SYSTEMS EQUIPPED WITH AUXILIARY HAND PUMPS OR REMOTE SLIDE-OUT MANIFOLDS.
HYDRAULIC LINE CONNECTION DIAGRAM
GENERIC DIAGRAM FOR UNIVERSAL PLATFORM LEVEL-OUT SLIDE-OUT
WITH SYNC CYLINDER BOX AND THREE LIFT CYLINDERS

LH ASSY.  CAP END (TYP)
RH ASSY.

TO ROD END OF MANIFOLD
LH AND RH LABELED AS VIEWED FROM OUTSIDE OF ROOM
FOR CONNECTION CLARITY ONLY THE CYLINDERS ARE SHOWN
TO CAP END OF MANIFOLD

SYNC CYL.

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD
ROD END CAP END

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD WITH LEVELING MANIFOLD
LEVELING MANIFOLD ROD END CAP END

SIDE VIEW
REMOTE MANIFOLD OR SLIDE-OUT MANIFOLD WITH NO LEVELING MANIFOLD OR WITH AUXILIARY HAND PUMP
ROD END CAP END