HYDRAULIC LINE CONNECTION DIAGRAMS

HWH® SPACEMAKER® SLIDE-OUT SYSTEMS

FEATURING:
Dual-Cylinder "Universal Straight-Out (USO) Light Duty" Slide-Out System

HWH CORPORATION
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FOR CONNECTION CLARITY, ONLY THE ROOM CYLINDERS ARE SHOWN

E & F - LINES ARE HIGH PRESSURE HOSE OR TUBE SUPPLIED WITH THE MECHANISMS
G - HOSES MUST BE HIGH PRESSURE HOSE AND THEY MUST BE EQUAL LENGTH
H - HOSE MUST BE EQUAL LENGTH AND THE SAME TYPE OF HOSES

ROOM CYLINDERS
ROD END MANIFOLD CONNECTION
CAP END MANIFOLD CONNECTION

SEE MP64.9900 FOR PUMP MANIFOLD CONNECTION VARIATIONS

SYNC CYL.

CYLINDER EXTEND - ROOM RETRACT
CYLINDER RETRACT - ROOM EXTEND
CHECK OIL LEVEL WITH ROOM EXTENDED

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ROOM CYLINDERS
ROD END MANIFOLD CONNECTION
CAP END MANIFOLD CONNECTION

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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
LIGHT DUTY UNIVERSAL STRAIGHT OUT SLIDE-OUT

A ROD END - ALWAYS PRESSURIZED

B CAP END

C ROD END - ALWAYS PRESSURIZED
MUST BE HOSES OF EQUAL LENGTH
AND DIAMETER

D CAP END
MUST BE HOSES OF EQUAL LENGTH
AND DIAMETER

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD

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

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

LH AND RH LABELED AS
VIEWED FROM OUTSIDE
OF ROOM

FOR CONNECTION CLARITY
ONLY THE CYLINDERS
ARE SHOWN

ROD END - ALWAYS PRESSURIZED

MUST BE HOSES OF EQUAL LENGTH
AND DIAMETER

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

SYNC CYL.

MP64.9990D
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