HYDRAULIC LINE CONNECTION DIAGRAMS

HWH® SPACEMAKER® SLIDE-OUT SYSTEMS

FEATURING:
Dual-Cylinder "Universal Platform Level-Out (UPLO)" Slide-Out System With One Lift Cylinder

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generic hydraulic line connection diagram
universal platform level out room extension
one platform lift cylinder

Front view of mechanism

For connection clarity, only the room cylinders are shown

cylinder extend - room retract
cylinder retract - room extend
check oil level with room extended

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

see mp64.9900 for pump manifold connection variations

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mp64.9880i
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 1 CYLINDER PLATFORM LIFT

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
E ROD END - ALWAYS PRESSURIZED (LIFT)
F CAP END (ROOM)
G CAP END (LIFT)
H CAP END (ROOM)

FOR CONNECTION CLARITY ONLY THE CYLINDERS ARE SHOWN

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
E ROD END - ALWAYS PRESSURIZED (LIFT)
F CAP END (ROOM)
G CAP END (LIFT)
H CAP END (ROOM)

PORT A
PORT B
PORT C
PORT D

TO ROD END OF MANIFOLD
TO CAP END OF MANIFOLD

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22JUN12
HYDRAULIC LINE CONNECTION DIAGRAM
GENERIC DIAGRAM FOR UNIVERSAL PLATFORM LEVEL-OUT SLIDE-OUT
WITH 1 CYLINDER PLATFORM LIFT

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

TO CAP END OF MANIFOLD
TO ROD END OF MANIFOLD

E. ROD END - ALWAYS PRESSURIZED
(LIFT)
F. CAP END (ROOM)
G. CAP END (LIFT)
H. CAP END (ROOM)

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

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

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