HYDRAULIC LINE CONNECTION DIAGRAMS

HWH® SPACEMAKER® SLIDE-OUT SYSTEMS

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

HWH CORPORATION
(On I-80, Exit 267 South)
2096 Moscow Road | Moscow, Iowa 52760
Ph: 800/321-3494 (or) 563/724-3396 | Fax: 563/724-3408
www.hwh.com
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

ROOM CYLINDER
CAP END MANIFOLD CONNECTION
ROOM CYLINDER
ROD END MANIFOLD CONNECTION
ROOM LIFT CYLINDERS (2)

SEE MP64.9900 FOR PUMP MANIFOLD CONNECTION VARIATIONS
SLIDE-OUT LINE CONNECTIONS AT THE MANIFOLD

ALL HWH SLIDE-OUT MECHANISMS


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 2 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)
- I CAP END (LIFT)
  MUST BE HOSES OF EQUAL LENGTH AND DIAMETER
- J ROD END - ALWAYS PRESSURIZED
  MUST BE HOSES OF EQUAL LENGTH AND DIAMETER

NOTE: GENERIC VIEWS FOR CLARITY. CYLINDERS MAY BE REVERSED

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD
PORT A
PORT B
PORT C
PORT D
PORT E
PORT F
PORT G
PORT H
PORT I
PORT J
NOTE: GENERIC VIEWS FOR CLARITY. CYLINDERS MAY BE REVERSED

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

LEVELING MANIFOLD

SID VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

F3680
(3) USED