HYDRAULIC LINE CONNECTION DIAGRAMS

HWH® SPACEMAKER® SLIDE-OUT SYSTEMS

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

ROOM CYLINDERS
CAP END MANIFOLD
CONNECTION

SEE MP64.9900 FOR
PUMP MANIFOLD CONNECTION VARIATIONS

SYNC CYLINDER
ROOM CYLINDERS
CAP END MANIFOLD
CONNECTION

CAP END
CAP END
CAP END
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 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

FOR CONNECTION CLARITY ONLY
THE CYLINDERS ARE SHOWN

A ROD END

B CAP END

C ROD END

D CAP END

LH AND RH LABELED AS VIEWED FROM OUTSIDE OF ROOM

TO ROD END OF MANIFOLD

TO CAP END OF MANIFOLD

LH ASSY.
CAP END

RH ASSY.
CAP END

SYNC CYL.

F3680

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

MP64.9990C
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