HYDRAULIC LINE CONNECTION DIAGRAMS

HWH® SPACEMAKER® SLIDE-OUT SYSTEMS

FEATURING:
Dual-Cylinder "In Floor" Slide-Out System
Single-Cylinder "In Floor" Slide-Out System
GENERIC HYDRAULIC LINE CONNECTION DIAGRAM
DUAL CYLINDER "IN FLOOR" ROOM EXTENSION
(WITH SYNCHRONIZING CYLINDER)
SINGLE CYLINDER "IN FLOOR" ROOM EXTENSION

DUAL CYLINDER "IN FLOOR" ROOM EXTENSION
(WITH SYNCHRONIZING CYLINDER)


SINGLE CYLINDER "IN FLOOR" ROOM EXTENSION

SEE MP64.9900 FOR PUMP MANIFOLD CONNECTION VARIATIONS
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 DUAL CYLINDER 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

SOME 2 CYLINDER SLIDE OUT SYSTEMS
WILL USE THIS LARGER DIAMETER
SYNC CYLINDER. CONNECT HOSES
AS SHOWN HERE.

TO ROD END OF MANIFOLD

TO CAP END OF MANIFOLD

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
HYDRAULIC LINE CONNECTION DIAGRAM
GENERIC DIAGRAM FOR
SINGLE CYLINDER SLIDE-OUT

A ROD END - ALWAYS PRESSURIZED

B CAP END

FOR CONNECTION CLARITY ONLY
THE CYLINDER IS SHOWN

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

ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

LEVELING MANIFOLD
ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

ROD END
CAP END

FOR CONNECTION CLARITY ONLY
THE CYLINDER IS SHOWN

ROD END
CAP END

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

LEVELING MANIFOLD
ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

ROD END
CAP END

FOR CONNECTION CLARITY ONLY
THE CYLINDER IS SHOWN

ROD END
CAP END

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

LEVELING MANIFOLD
ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

ROD END
CAP END

FOR CONNECTION CLARITY ONLY
THE CYLINDER IS SHOWN

ROD END
CAP END

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

LEVELING MANIFOLD
ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

ROD END
CAP END

FOR CONNECTION CLARITY ONLY
THE CYLINDER IS SHOWN

ROD END
CAP END

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

LEVELING MANIFOLD
ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

ROD END
CAP END

FOR CONNECTION CLARITY ONLY
THE CYLINDER IS SHOWN

ROD END
CAP END

TOP VIEW
SINGLE SLIDE-OUT MANIFOLD

SIDE VIEW
MULTIPLE SLIDE-OUT MANIFOLD
WITH LEVELING MANIFOLD

ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

LEVELING MANIFOLD
ROD END
CAP END

TO CAP END OF MANIFOLD

TO ROD END OF MANIFOLD

ROD END
CAP END

FOR CONNECTION CLARITY ONLY
THE CYLINDER IS SHOWN

ROD END
CAP END