REVISED EDITION JAN. 98

BESTWAY
6-1/2" MOTORCYCLE LIFT

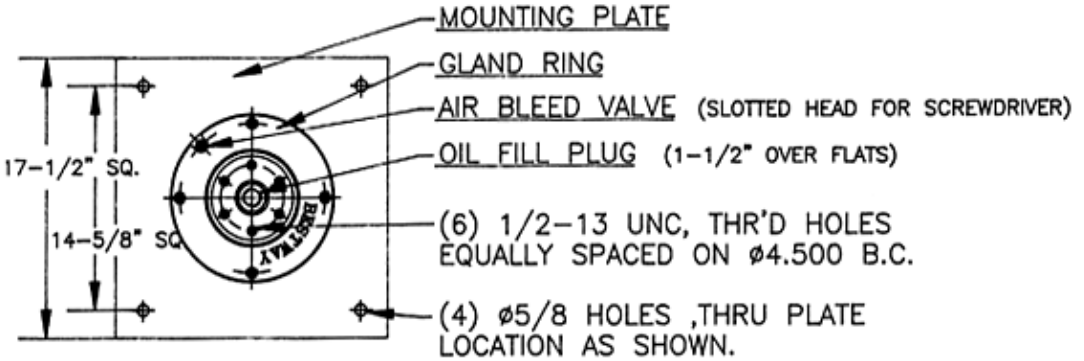
DOC. NO: BHI-6-1-INSTALLATON INSTRUCTIONS

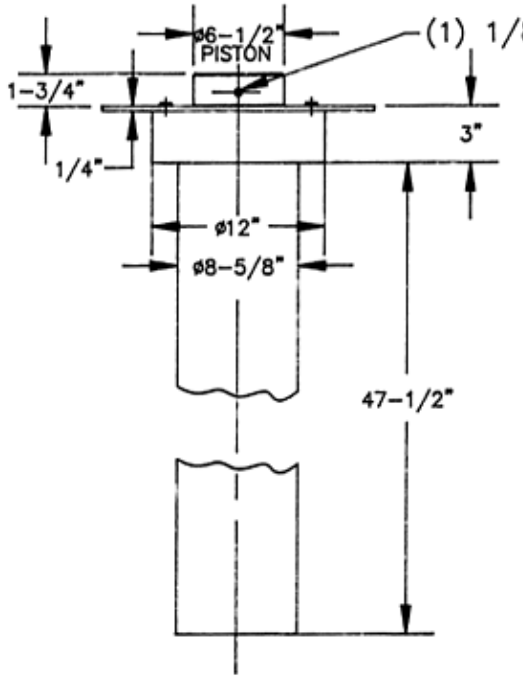
GLOSSARY OF TERMS AND DIMENSIONS

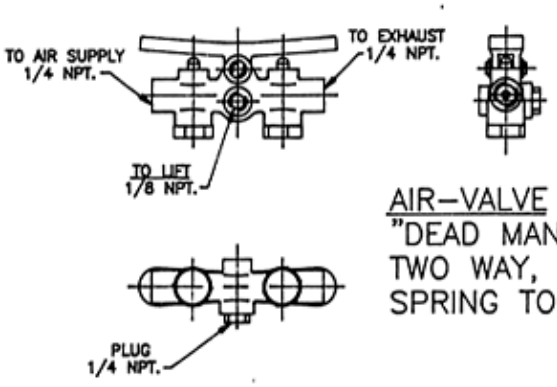
THIS DOCUMENT IS PART OF BESTWAY DWG.NO: 310

WARNING !!!

NEVER OPERATE THIS LIFT UNDER AIR PRESSURE ALONE!!! DANGER TO LIFE AND DAMAGE TO EQUIPMENT MAY OCCUR.







AIR-VALVE
"DEAD MAN" TYPE
TWO WAY, THREE POSITION
SPRING TO CLOSE-CENTER

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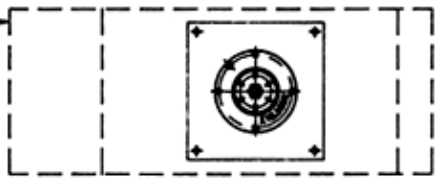
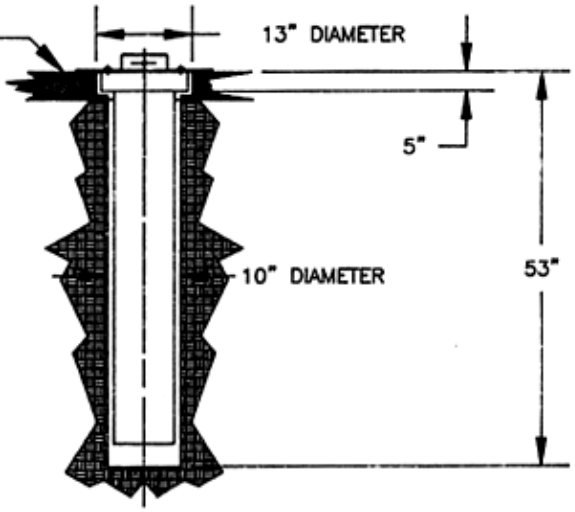
BESTWAY
6-1/2" MOTORCYCLE LIFT

DOC. NO: BHI-6-1-INSTALLATON INSTRUCTIONS

TOP VIEW
SUPERSTRUCTURE SHOWN
IN HIDDEN LINES





1. MAKE SURE THAT THE PROPER LOCATION HAS BEEN SELECTED.

2. LAYOUT THE CENTERLINE OF THE LIFT. MAKE A SECOND LOCATION CHECK BEFORE EXCAVATION.

3. DIG AN 10" DIAMETER HOLE 53" DEEP. ENLARGE THE TOP OF THE HOLE TO 13" DIAMETER TO DEPTH OF 5".

NOTE: IF A P.V.C. CASING IS USED, THE 13" DIAMETER HOLE SHOULD BE 53" DEEP. (SEE DWG. #:310)

4. LOWER CYLINDER INTO POSITION, RESTING ON THE 17-1/2"x17-1/2" MOUNTING PLATE. TURN THE MOUNTING PLATE, SO THAT IT IS PARALLEL TO THE SUPER-STRUCTURE. WHEN THIS IS DONE, LOCATE AND SPOT THE HOLES FOR THE LAG BOLTS.

5. REMOVE THE CYLINDER FROM THE HOLE.

6. DRILL FOR THE INSERT THE SLEEVES FOR THE LAG BOLTS.

7. PUT CYLINDER BACK INTO THE HOLE. LINE UP THE MOUNTING PLATE HOLES WITH THE CONCRETE SLEEVES AND BOLT INTO POSITION.

NOTE: IF A P.V.C. CASING IS USED, DROP IT IN, BEFORE INSTALLING THE CYLINDER.

8. REMOVE THE OIL FILL PLUG FROM THE PISTON HEAD. (USE A 1-1/2" RING SPANNER OR SOCKET) OPEN THE BLEEDER VALE, LOCATED IN THE PACKING GLAND. (USE A REGULAR FLAT SCREW DRIVER)

   FILL THE CYLINDER WITH SAE 30W MOTOR OIL, UNTIL THE ENTRAPPED AIR IS FULLY EVACUATED FROM THE CYLINDER AND A STEADY STREAM OF OIL IS COMING OUT FROM THE BLEEDER VALVE.

   CLOSE BLEEDER VALVE.
   CHECK THE OIL LEVEL - IT SHOULD BE ABOUT 1-3/4" BELOW THE BOTTOM OF THE PISTON HEAD.
   TOP OFF IF NECESSARY.
   REINSTALL THE FILL PLUG. MAKE SURE THAT THE PLASTIC WASHER IS CORRECTLY SEATED BELOW THE FILL PLUG
   DO NOT USE AIR-DRIVEN TOOLS !!!
   THE OIL CAPACITY IS ABOUT 9.5 GALLONS.

9. MOUNT SUPERSTRUCTURE TO THE TOP OF THE CYLINDER WITH (6) 1/2"-13 UNC x 1-3/4" LONG BOLTS PROVIDED.

10. ASSEMBLE AIR LINE EXTENSION TO PISTON, SO THAT PIPE EXTENDS OUT OF THE SUPERSTRUCTURE. MOUNT AIR VALVE TO PIPE EXTENSION. (ANGLE SUPPORT.)

11. USING QUICK COUPLING ADAPTERS, CONNECT THE AIR HOSE TO THE AIR VALVE.
    AIR VALVE MUST BE "DEAD MAN" TYPE.

12. RAISE THE LIFT SLOWLY, CONTROL THE SPEED BY METERING THE AIR THROUGH THE AIR VALVE.

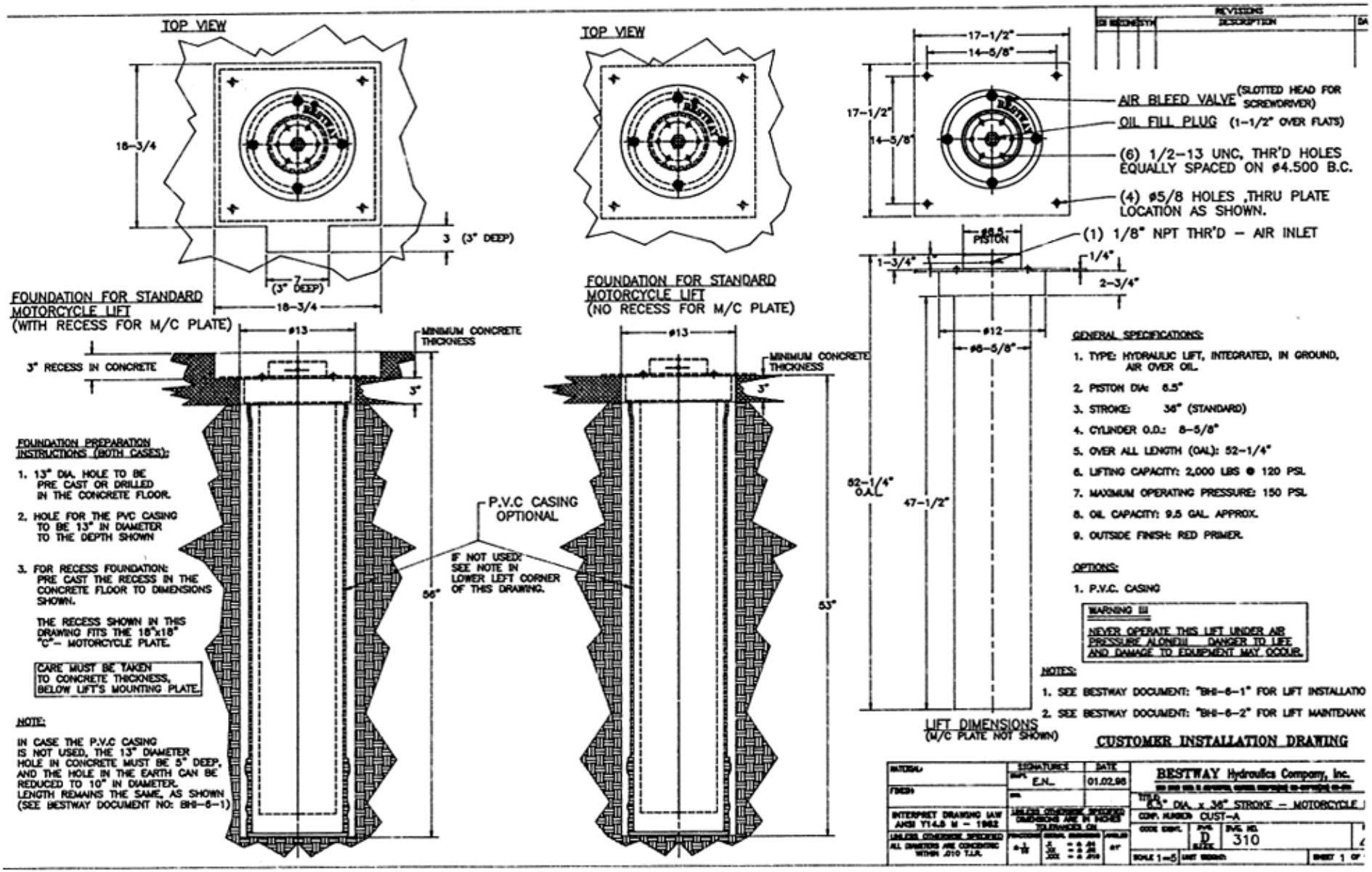
13. WHEN LIFT IS IN RAISED POSITION, BLEED THE ENTRAPPED AIR OUT OF THE CYLINDER. THIS IS DONE, WITH A FLAT HEAD SCREWDRIVER AND TURNING THE TOP OF THE BLEEDER VALVE IN COUNTER CLOCKWISE DIRECTION, UNTIL A STEADY FLOW OF OIL COMES OUT FROM THE BLEEDER VALVE. CLOSE THE BLEEDER VALVE, IN CLOCKWISE DIRECTION.

14. EXHAUST THE AIR VALVE, FULLY LOWER THE SUPER-STRUCTURE AND TOP OFF TO CORRECT LEVEL.
    WHEN PERFORMING TOPPING OFF, THE AIR SUPPLY MUST BE FULLY DISCONNECTED AND THE LIFT MUST BE DEPRESSURIZED BY EXHAUSTING THE AIR VALVE !!!

15. REPEAT OPERATIONS 12 THROUGH 14 SEVERAL TIMES TO MAKE SURE ALL THE ENTRAPPED AIR IS RELEASED. TOP OFF, WITH OIL, TO CORRECT LEVEL IF NECESSARY.

16. RECHECK ALL BOLTS, PIPES AND VALVE CONNECTIONS. MAKE SURE THAT THE SUPERSTRUCTURE IS TIGHT.

WHEN ALL THIS IS DONE, THE LIFT IS READY FOR SERVICE.


TOP VIEW
18-3/4
3 (3" DEEP)
7 (3" DEEP)
18-3/4
FOUNDATION FOR STANDARD MOTORCYCLE LIFT
(WITH RECESS FOR M/C PLATE)
ø13
MINIMUM CONCRETE THICKNESS
3" RECESS IN CONCRETE
3"
56"
FOUNDATION PREPARATION INSTRUCTIONS (BOTH CASES):
1. 13" DIA. HOLE TO BE PRE CAST OR DRILLED IN THE CONCRETE FLOOR.
2. HOLE FOR THE PVC CASING TO BE 13" IN DIAMETER TO THE DEPTH SHOWN
3. FOR RECESS FOUNDATION: PRE CAST THE RECESS IN THE CONCRETE FLOOR TO DIMENSIONS SHOWN.
THE RECESS SHOWN IN THIS DRAWING FITS THE 18"x18" "C"- MOTORCYCLE PLATE.
CARE MUST BE TAKEN TO CONCRETE THICKNESS, BELOW LIFT'S MOUNTING PLATE.
NOTE:
IN CASE THE P.V.C CASING IS NOT USED, THE 13" DIAMETER HOLE IN CONCRETE MUST BE 5" DEEP, AND THE HOLE IN THE EARTH CAN BE REDUCED TO 10" IN DIAMETER. LENGTH REMAINS THE SAME, AS SHOWN (SEE BESTWAY DOCUMENT NO: BHS-6-1)
P.V.C CASING OPTIONAL
IF NOT USED: SEE NOTE IN LOWER LEFT CORNER OF THIS DRAWING.
TOP VIEW
FOUNDATION FOR STANDARD MOTORCYCLE LIFT
(NO RECESS FOR M/C PLATE)
ø13
MINIMUM CONCRETE THICKNESS
3"
53"
17-1/2"
14-5/8"
17-1/2"
14-5/8"
AIR BLEED VALVE (SLOTTED HEAD FOR SCREWDRIVER)
OIL FILL PLUG (1-1/2" OVER FLATS)
(6) 1/2-13 UNC, THR'D HOLES EQUALLY SPACED ON ø4.500 B.C.
(4) ø5/8 HOLES ,THRU PLATE LOCATION AS SHOWN.
ø6.5 PISTON
(1) 1/8" NPT THR'D – AIR INLET
1-3/4"
1/4"
2-3/4"
ø12
ø6-5/8"
52-1/4" O.A.L
47-1/2"
LIFT DIMENSIONS
(M/C PLATE NOT SHOWN)
GENERAL SPECIFICATIONS:
1. TYPE: HYDRAULIC LIFT, INTEGRATED, IN GROUND, AIR OVER OIL.
2. PISTON DIA: 6.5"
3. STROKE: 36" (STANDARD)
4. CYLINDER O.D.: 8-5/8"
5. OVER ALL LENGTH (OAL): 52-1/4"
6. LIFTING CAPACITY: 2,000 LBS @ 120 PSI.
7. MAXIMUM OPERATING PRESSURE: 150 PSI.
8. OIL CAPACITY: 9.5 GAL. APPROX.
9. OUTSIDE FINISH: RED PRIMER.
OPTIONS:
1. P.V.C. CASING
WARNING !!!
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NOTES:
1. SEE BESTWAY DOCUMENT: "BHS-6-1" FOR LIFT INSTALLATIO
2. SEE BESTWAY DOCUMENT: "BHS-6-2" FOR LIFT MAINTENANC
CUSTOMER INSTALLATION DRAWING
REVISIONS
DESCRIPTION
E.N.
01.02.95
BESTWAY Hydraulics Company, Inc.
6.5" DIA. x 36" STROKE – MOTORCYCLE
CONF. NUMBER CUST-A
DWG. NO. 310
SIZE D
SCALE 1:5
SHEET 1 OF