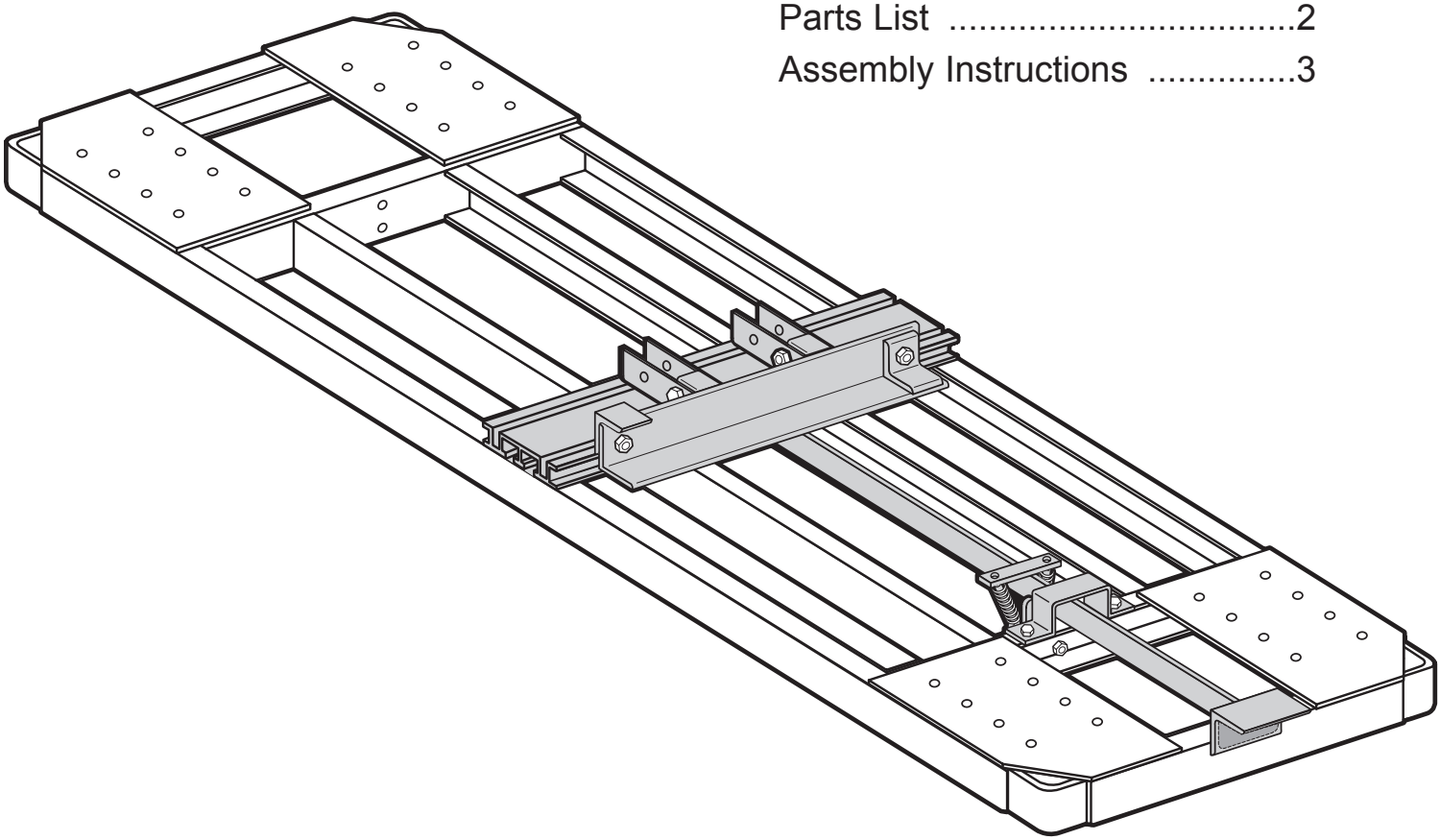
Assembly Instructions

BDT Foot Brake
Assembly Instructions

Table of Contents:



MAGLINER®

PARTS LIST

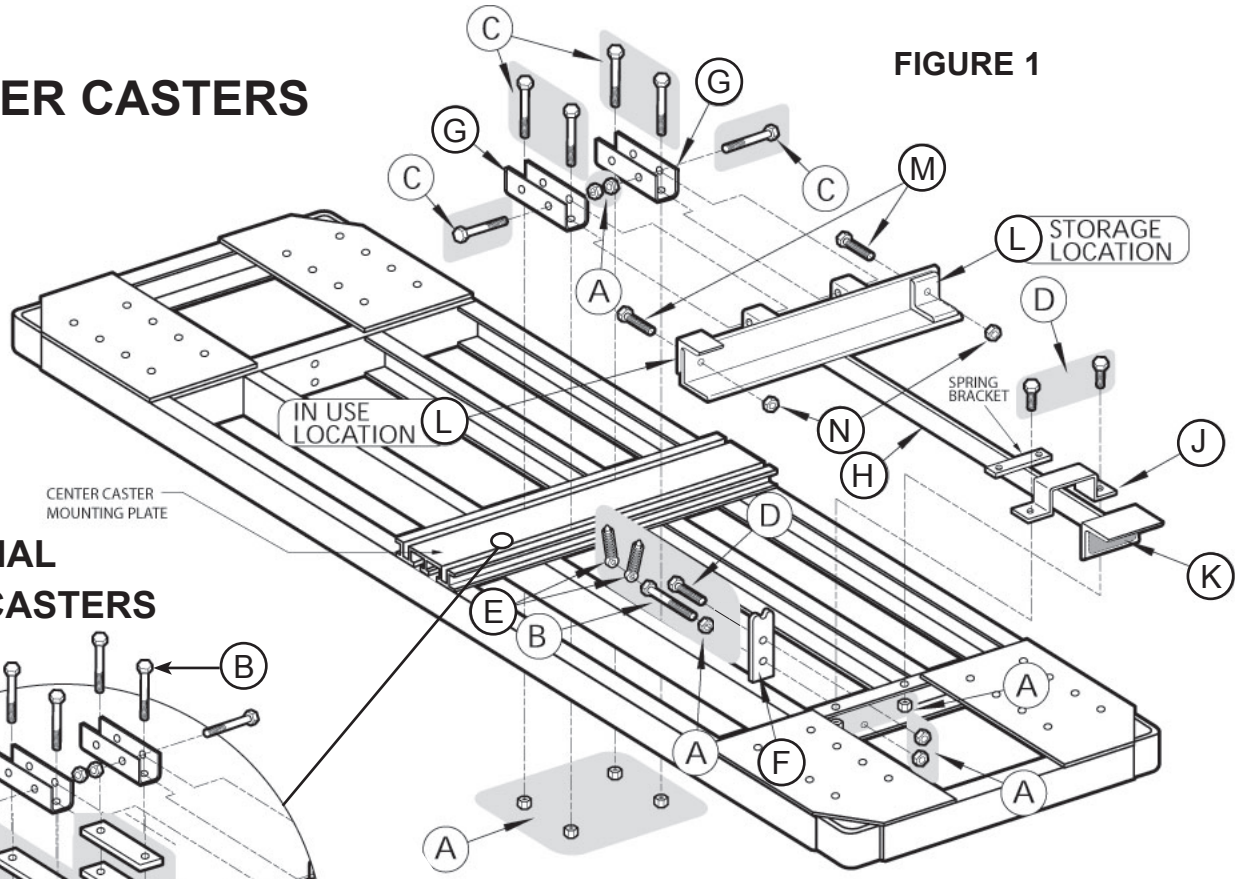
Item	Description	Part Number	Qty for 6"	Qty for 8"
Hardware pack consists of items below:		349530 for 6" caster, 349500 for 8"		
A	Hex lock nut - 5/16"-18	80676	11	11
B	Hex head bolt - 5/16"-18 x 2" long	80015	5	1
C	Hex head bolt - 5/16"-18 x 1-3/4" long	80014	2	6
D	Hex head bolt - 5/16"-18 x 3/4" long	80010	3	3
E	Extension spring	81155	2	2
F	Brake latch	34991	1	1
G	Brake pivot channel	34943	2	2
H	Finished brake component	34993	1	1
I	Caster spacer (6" casters only)	34952	8	0
J	Bracket for end brake stop	34990	1	1
K	Brake decal	98219	1	1
L	Brake shim	34995	2	2
M	Hex head bolt - 1/4"-20 x 3/4" long	80000	2	2
N	Hex lock nut - 1/4"-20	80675	2	2

TOOLS REQUIRED

- (1) STANDARD 1/2” WRENCH
- (1) STANDARD SOCKET WRENCH
- (1) STANDARD 1/2” SOCKET
- (1) PLIERS
- (1) RUBBER MALLET OR EQUIVALENT

8” CENTER CASTERS

FIGURE 1



OPTIONAL 6” CENTER CASTERS

FIGURE 3

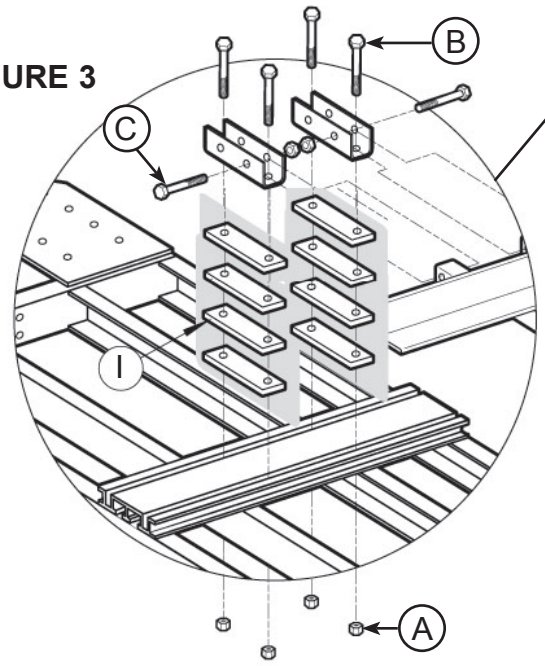
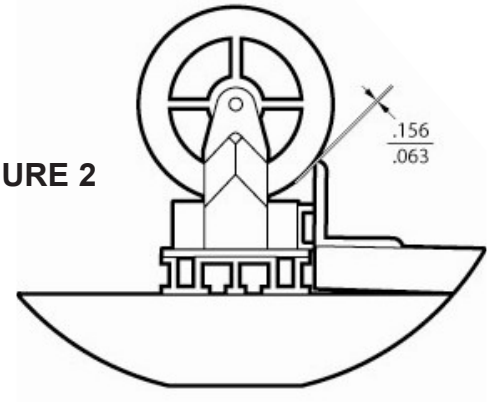


FIGURE 2



END ACTIVATED BRAKE ASSEMBLY

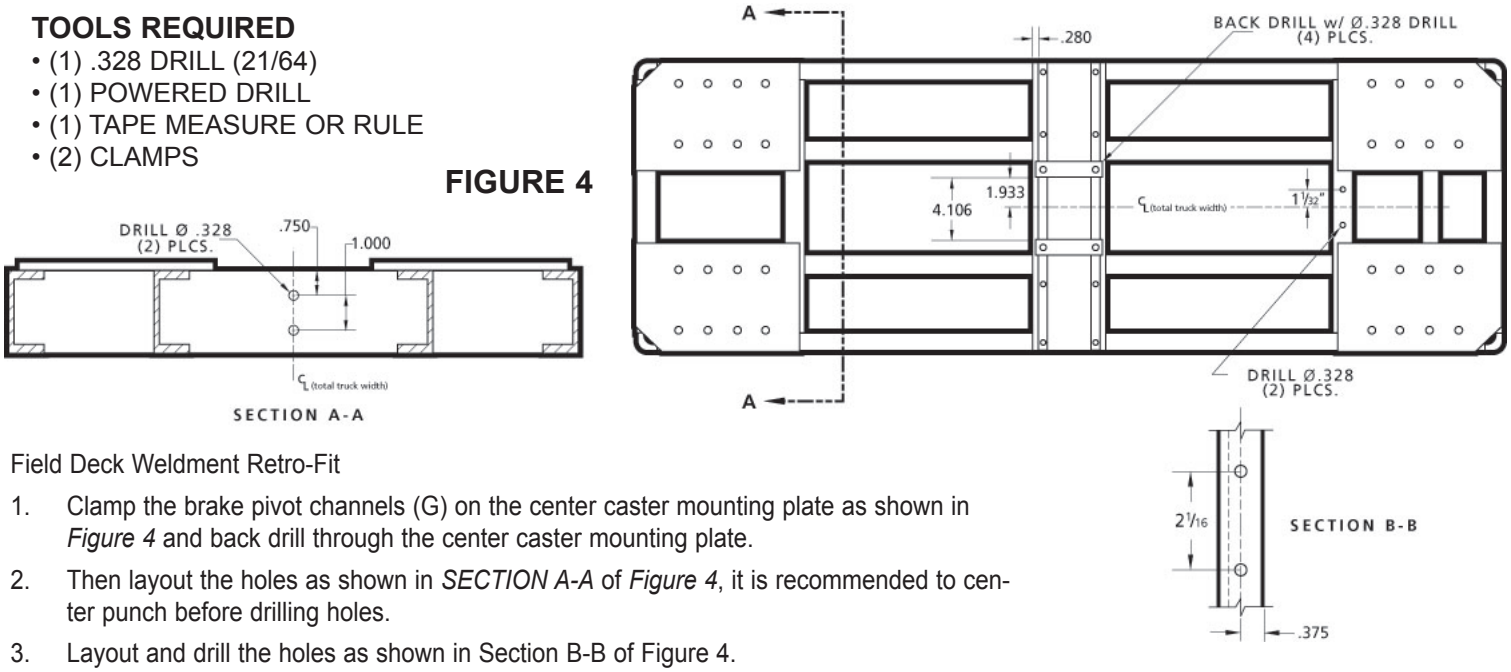
1. If assembling using 6” center caster, install four (4) caster spacers (I) between each brake pivot channel (G) and center caster mount plate, as shown in *Figure 3*. Position the brake pivot channels (G) on the center caster mounting plate and secure using 5/16” X 2” carriage bolts (B) and 5/16” hex-lock nuts (A), as shown in *Figure 1* (note: only tighten enough so the brake pivot channels are not loose).
2. Position the finished brake component (H) into the brake pivot channels (G) and install only the 5/16” X 2” hex head bolts (B). Now check spacing between finished brake component (H) and the center casters as shown in *Figure 2*, if spacing does not fall between specified value use a rubber mallet to reposition the pivot channels to achieve the specified value. If you’re unable to achieve the specified value, loosen the center caster bolts (which will require 9/16” tools) and position the center until the specified value is achieved and re-tighten the bolts.
3. Once the spacing is achieved, tighten the exposed bolts that secure the brake pivot channels (G) to the center caster mounting plate, remove the finished brake component (H) and tighten the remaining bolts.
4. Re-position the finished brake component (H) into the brake pivot channels (G) and install the 5/16” X 2” hex head bolts (B) and secure them with 5/16” hex-lock nuts (A), making sure not to over tighten (the finished brake component (H) should pivot freely).
5. Using a wrench and socket, tighten one (1) 5/16” hex-lock nuts (A) onto the 5/16 X 1-3/4” hex head bolts (C) until the nut bottoms-out.
6. Position the brake lock (F) over the holes as shown in *Figure 1* and using the bolt from step five in the hole closest to the deck sheet with a 5/16” flat washer between the bolt with the nut on it and the brake lock and secure it with a 5/16” hex-lock nut (A), making sure the brake lock is at least touching the finished brake component bar. Next fasten the 5/16”x 3/4” hex head bolts (D) using a washer between the bolt and the brake lock with 5/16” hex-lock nuts (A).
7. Slip the extension spring (E) over the bottom 5/16” X 1-3/4” hex head bolts (C) and using pliers extend the spring and attach to the finished brake component spring bracket, one spring on each side.
8. Engage the brake by pulling up on the finished brake component and make sure the center casters do not rotate prior to using and make sure all bolts are tightened securely. If the finished brake component does not engage one or both center casters, go to re-adjust procedure described in step 2.
9. Adjustment shims are provided to compensate for tire wear when the brake force is insufficient. Add shim between brake angle bar and tire to close the gap. Store in shown location when not in use.

NOTE: Tighten all bolts securely. (Recommended: 5/16” bolts should be tightened to a torque value of 10-11 ft.-lbs., 3/8” bolts should be tightened to a torque value of 23 ft.-lbs., and 1/4" bolts should be tightened to 8-10 ft.-lbs., except as noted above.)

FIELD RETRO-FIT

TOOLS REQUIRED
- (1) .328 DRILL (21/64)
- (1) POWERED DRILL
- (1) TAPE MEASURE OR RULE
- (2) CLAMPS

FIGURE 4



Field Deck Weldment Retro-Fit

1. Clamp the brake pivot channels (G) on the center caster mounting plate as shown in *Figure 4* and back drill through the center caster mounting plate.
2. Then layout the holes as shown in *SECTION A-A* of *Figure 4*, it is recommended to center punch before drilling holes.
3. Layout and drill the holes as shown in Section B-B of Figure 4.

MAGLINE, INC.
1205 W. Cedar Street • Standish, MI 48658 USA
1-800-MAGLINE (624-5463) • (989) 512-1000 (outside U.S. & Canada)
www.magliner.com

B8142 Revised 3/2015