

Installation Instructions for 80395

Manual Tire Changer

Handles Tires from 8" to 7-1/2 in. x 16"; Flotation Tires up to 12.5L16

Important Safety Information

1. **Do not exceed maximum tire capacities.** Do not use on standard tires exceeding 16" or on flotation tire exceeding size 12.5L16.
2. **CAUTION!** Do not use on tires with high-end rims. Tire removal and installation can result in scratches and light marring on rims.
3. Wear ANSI-approved safety goggles and heavy-duty work gloves during assembly, mounting and use.
4. Do not modify Tire Changer to perform tasks for which it was not designed.
5. Use only with accessories included with the Tire Changer.
6. Do not use without mounting to floor. Mount only to a secure, level surface able to support weight of Manual Tire Changer and tire assembly.
7. Verify that mounting surface has no hidden utility lines before drilling or driving screws.
8. Deflate tire before use. Keep tire's valve stem uncovered during use to allow any remaining air to flow out of tire.
9. Lubricate Breaker Handle (7) when removing tire from rim; failure do so can lead to tire damage.
10. Keep work area clean and well lit.
11. Keep bystanders out of the area during use.
12. Do not use when tired or when under the influence of drugs, medication or alcohol.
13. This product is not a toy. Do not allow children to play with or near this item.
14. Inspect before every use; do not use if parts are loose or damaged.
15. Maintain product labels and nameplates. These carry important safety information.

Assembly/Mounting Instructions

1. The Tire Changer will require some assembly after unpacking. See the assembly components in Figure 1, below.
NOTE: Assembly of the Base units (9, 13) to the Center Post (1) will be easier if done on a worktable.
2. Set the bottom of the Center Post diagonally across the middle of the Post Base. See Figure 2, below
NOTE: Make sure to align the Center Post with the Post Base so that the Center Post's bracket faces the longer end of the Post Base.
3. Fasten Center Post and Post Base together using the Hex Bolts (6), Washers (11), and Nuts (12). See Figure 2, below.
4. Set each of the Side Bases (9) along either side of the Post Base until the holes align. Fasten together using the Hex Bolts (6), Washers (11), and Nuts (12). See Figure 3, below.
5. At this point, the assembled base should be mounted to the selected floor surface (such as a wood pallet or concrete floor) using the 7/16 in. mounting holes at the ends of the Side Bases and the Post Base.
NOTE: The floor surface should be at least 4 in. in depth.
6. With assistance, move the Tire Changer to the selected location. Use the four 7/16 in. mounting holes as templates to mark four 7/16 in. holes on the mounting surface.
NOTE: If mounting to a concrete surface, do not use a concrete drill bit larger in diameter than 7/16 in.
7. Drill four holes in the floor surface equal to the length of four 7/16 in. diameter anchors (not included) to secure the Tire Changer.
8. Set the Tire Changer back on the floor surface and align its four mounting holes at its base with the four pre-drilled holes in the floor surface.
9. If necessary, level the Tire Changer on the floor surface using a carpenter's level and steel shims.



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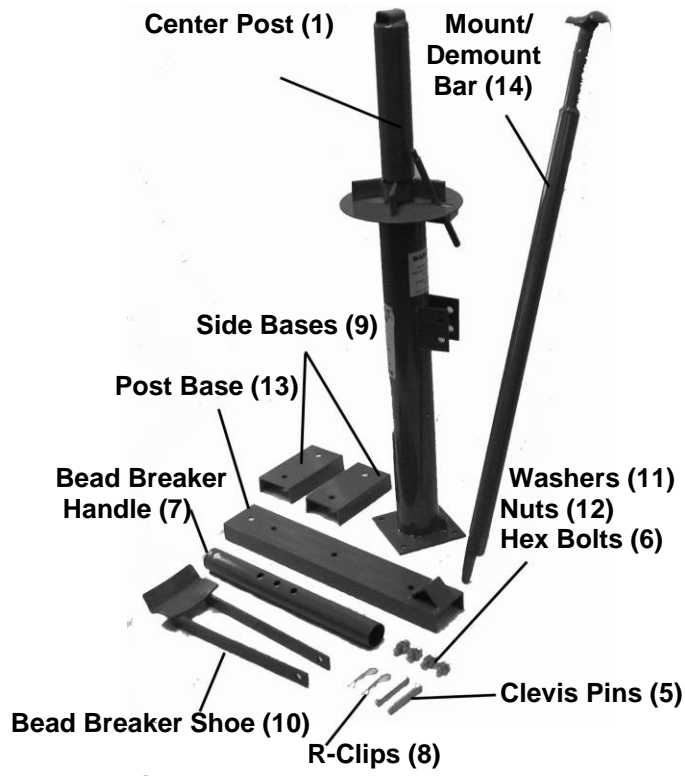


Figure 1

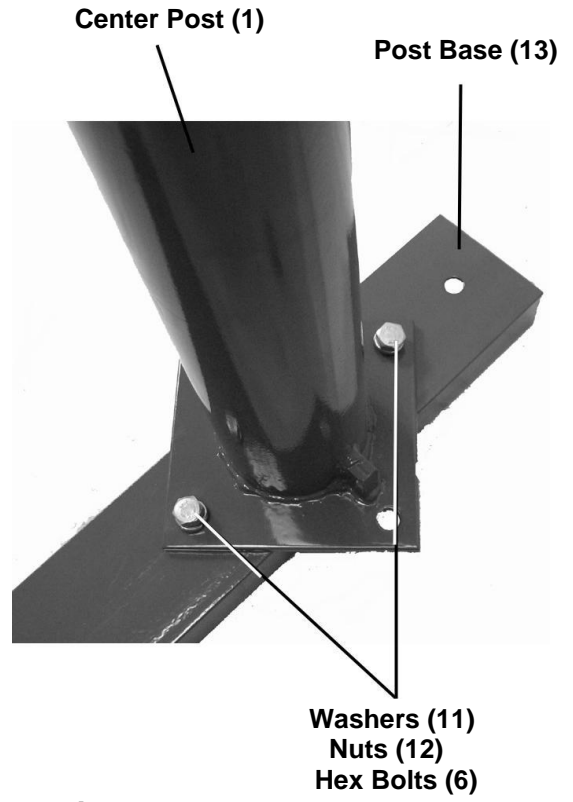


Figure 2

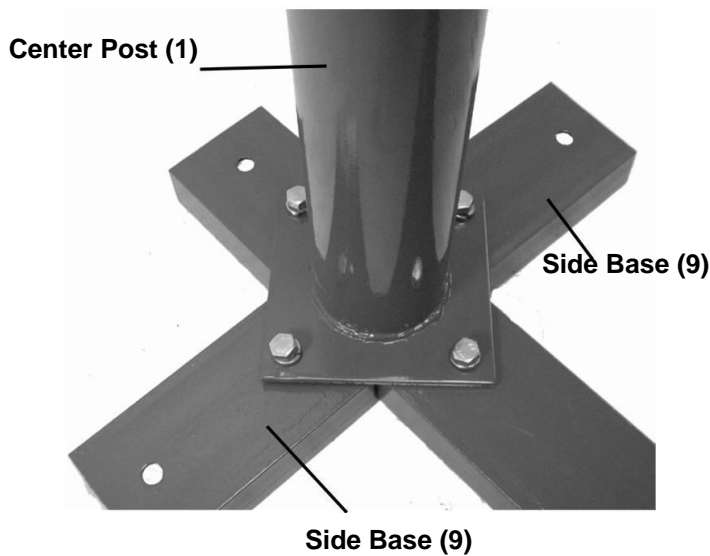


Figure 3

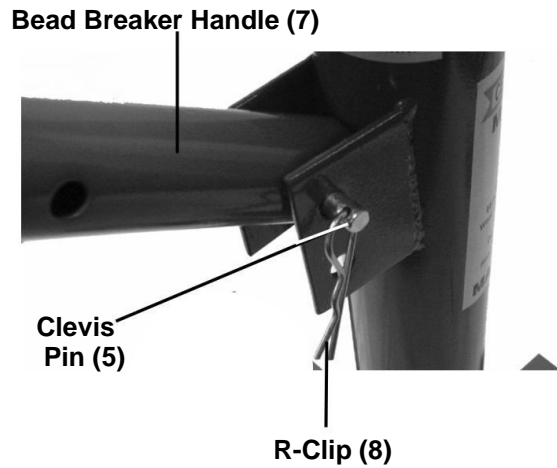


Figure 4

10. Use a hammer to tap the four anchors through the four mounting holes in the base of the Tire Changer and into the floor surface. Continue tapping the anchors until their washers rest against the base of the Tire Changer.
11. Firmly tighten the nuts of the four anchors to secure the Tire Changer to the floor surface.
12. Place the end of the Bead Breaker Handle (7) in the bracket on the side of the Center Post until the hole on the handle's end aligns with top or bottom holes of the bracket (depending on the size of the tire.)
13. Slide a Clevis Pin (5) through the bracket and Bead Breaker Handle, securing it using the R-Clip (8). See Figure 4, above.
14. Slide the end slots of Bead Breaker Shoe (10) over the mounting holes along the middle of the Bead Breaker handle. Align with the end or middle holes (depending on which tire size, the closest hole to the Center Post being for smaller tires). Secure in place using the other Clevis Pin and R-Clip. See Figure 5, below.
15. Once fully assembled and mounted to the floor, the assembled Tire Changer will look as it does in Figure 6, below.
NOTE: Tire is not included.

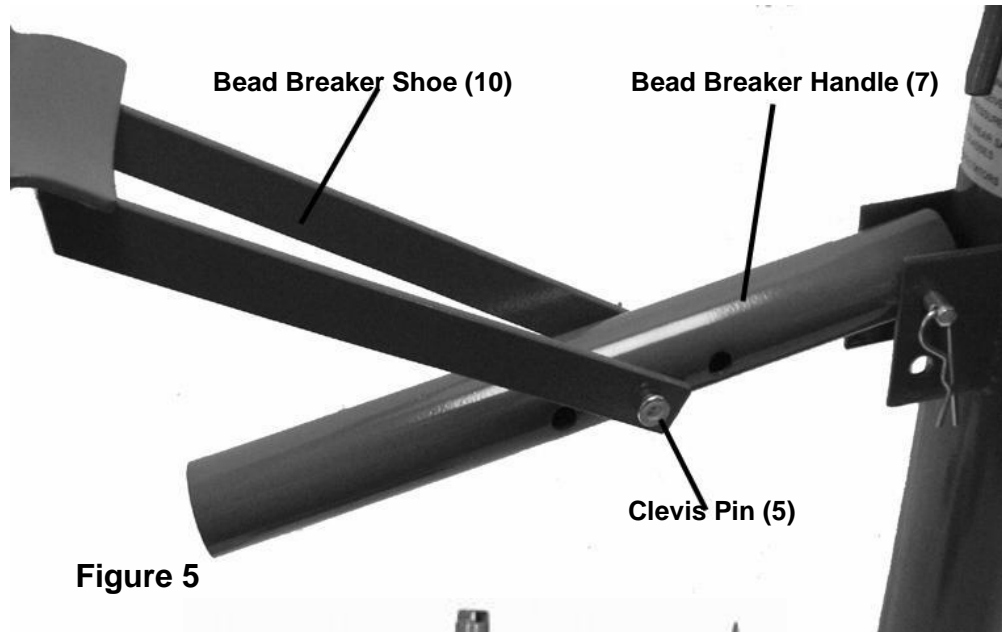


Figure 5



Figure 6

Operation

Breaking the Tire Bead

1. Once the tire is deflated, apply bead oil to tire bead.

NOTE: Tire removal and installation will be much easier when using bead oil.

2. Set Tire down on the longer end of the Post Base (the end with the mounting tab). Position the tire so that the rim is set against the mounting tab, which will keep the tire in place.
NOTE: Make sure the tire's valve stems is facing up.
3. Set the Bead Breaker Shoe against the edge of tire rim. See Figure 7, below.
4. Insert Mounting/Demounting Bar into Bead Breaker Handle. Once inserted, push down on Bead Breaker Handle, allowing the Bead Breaker Shoe to lift tire bead off of rim. See Figure 7, below.
5. Lift Bead Breaker Handle up and slide tire around so that Bead Breaker Shoe can be set against the opposite end of rim.
6. Set the Bead Breaker Shoe against the edge of tire rim. Push down on Bead Breaker Handle, allowing the Bead Breaker Shoe to lift other end of tire bead off of rim.
7. Lift Bead Breaker Handle up, flip tire over and reposition tire against mounting tab.
8. Set Bead Breaker Shoe against the edge of tire rim and push down on Bead Breaker Handle, removing bead from rim. See Figure 8, below.
9. Raise Bead Breaker Shoe and slide tire around. Push down on Bead Breaker Handle, removing bead from rim.
10. Lift Bead Handle up and remove tire from Post Base.
11. Remove Post Cap (2) and Spider Post (4) from top of Center Post.
12. Set tire onto the Center Post.

NOTE: Make sure tire's valve stem is facing up and Lug Pin (3) is sticking up through lug hole of rim.

13. Thread Spider Post over Center Post with tapered side going into wheel hub. See Figure 9, below.
14. Thread Post Cap onto Center Post. This will tighten Spider Post, locking tire into place. See Figure 9, below.
15. To tighten Post Cap, place flat end of Mount/Demount Bar through top of Post Cap and pull on Mount/Demount Bar. See Figure 10, below.
16. Remove Mount/Demount Bar from Post Cap and set end against bead. Push down on Bar, forcing bead away from rim.

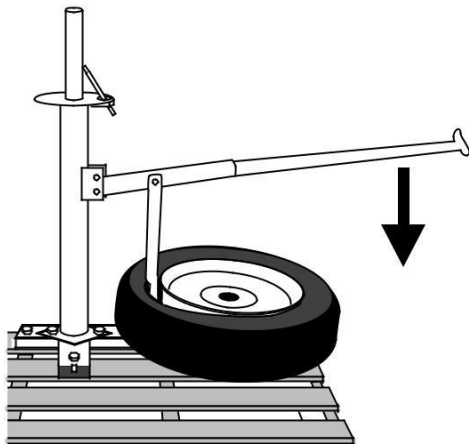


Figure 7

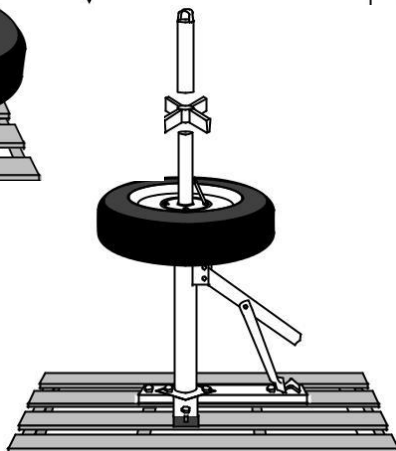


Figure 9

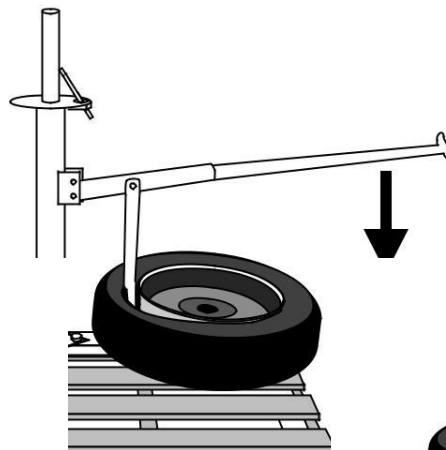


Figure 8

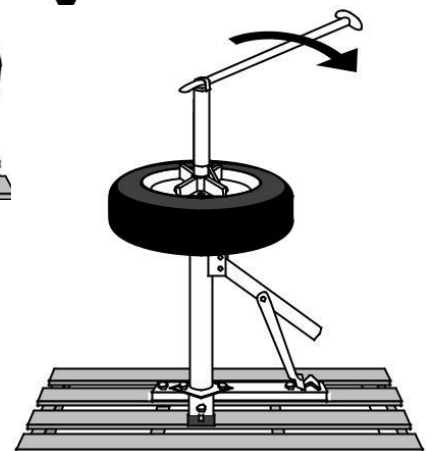


Figure 10

17. Slide bar down and, using the Post Cap as leverage, pull the Bar around, continuing to separate the bead from rim. See Figure 11, below.
18. Once bead on outer side of tire is separated from rim, pull tire up with free hand and push Bar down so it is against bead on inner rim. See Figure 12, below.
19. Using Post Cap as leverage, pull Bar around, separating inner bead from tire rim.
NOTE: You may need to hold onto Post Cap with your free hand for added leverage. See Figure 13, below.
20. Continue pulling Bar around tire until bead is fully separated from rim. Then lift tire off of Center Post.
21. If desired, unthread Post Cap and Spider Post and remove rim from Tire Changer.

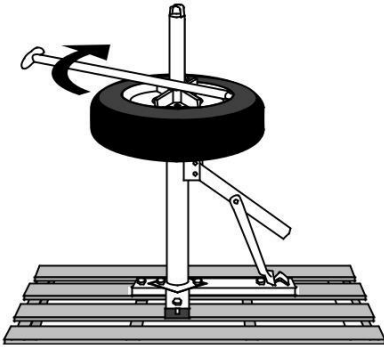


Figure 11

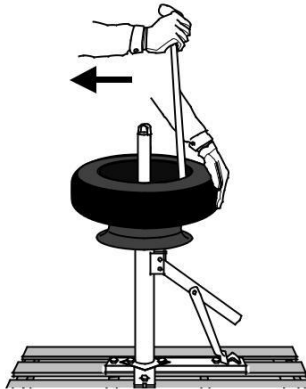


Figure 12

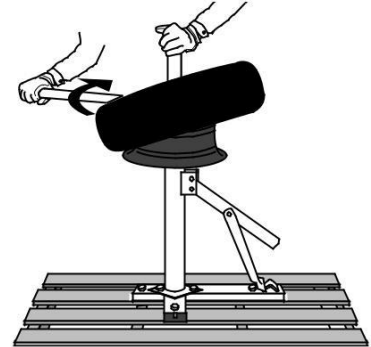


Figure 13

Mounting Tire on to the Rim

1. Set rim on Center Post and lock into place using the Spider Post and Post Cap (if not already done).
2. Set tire on rim and push down on opposite ends of the tire. See Figure 14, below.
NOTE: Be sure to apply bead lubricant before tire mounting.
3. Stick Mounting/Demounting Bar through tire (with flat edge facing down) to help wedge bead back behind rim
4. Push down on tire with free hand as you work bead behind rim. If needed push Bar along Center Post for added leverage. See Figure 15, below.
5. Once inner side of tire is mounted to rim, push down on tire again until one side of outer bead is under rim.
6. Remove Bar and switch ends, so that hook side is pressed against bead.
7. Push Bar down so that hook end wedges bead under rim. See Figure 16, below.
NOTE: Be sure to apply more bead lubricant, if needed.
8. Continue to work around rim until tire mounts over edge of bead.
IMPORTANT: If tire bead starts to seat during mounting, the tire will need to stretch more and will be more difficult to mount. To prevent this, push down on tire with your free hand so it doesn't seat on the upper edge of rim during mounting.
9. Depending on the flexibility of rubber (and the amount of bead lubricant used), you may not to switch the Bar around and use the flat edge of Bar to wedge the last sections of the bead under the rim. See Figure 17, below.
10. **WARNING!** Do not use the bar to hammer on the side of the tire during mounting. Doing so can damage the tire.
11. Once tire is properly mounted onto the rim, inflate tire to the PSI recommended in tire's owner manual.
WARNING! Do not over-inflate tire.
12. **WARNING!** Check for any leaks and balance tire before putting inflated tire back onto vehicle.
NOTE: This Tire Changer works best with standard sized tires only.

Maintenance

1. After each use, wipe any excess bead oil off of Tire Changer.
2. Regularly inspect Tire Changer to ensure that all connections are secure.

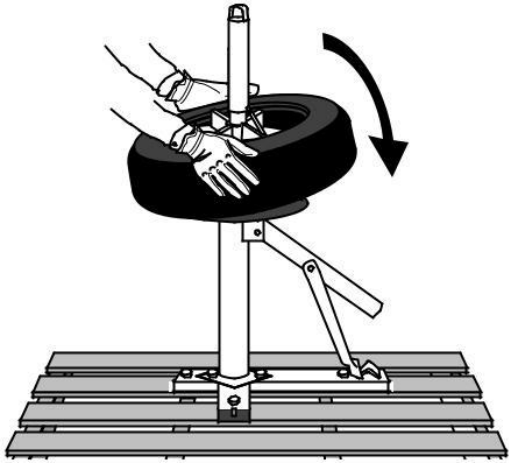


Figure 14

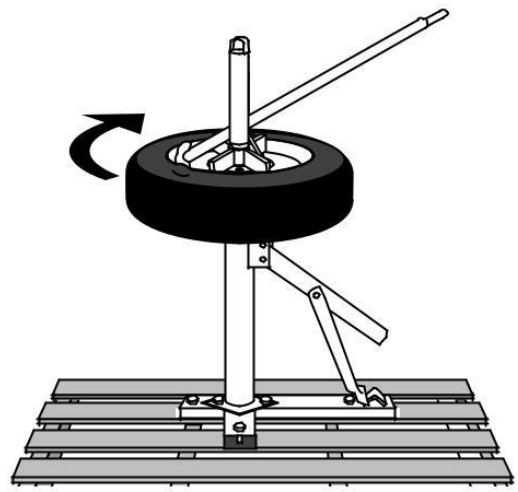


Figure 15

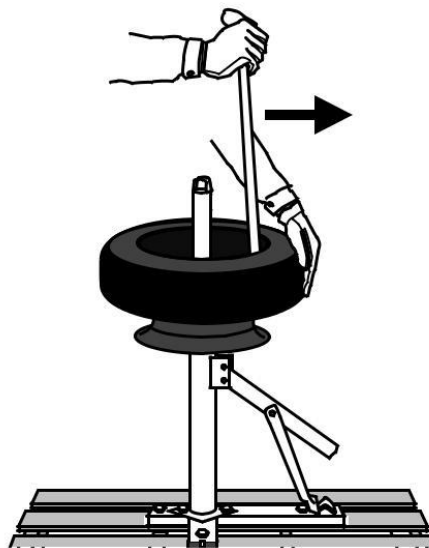


Figure 16

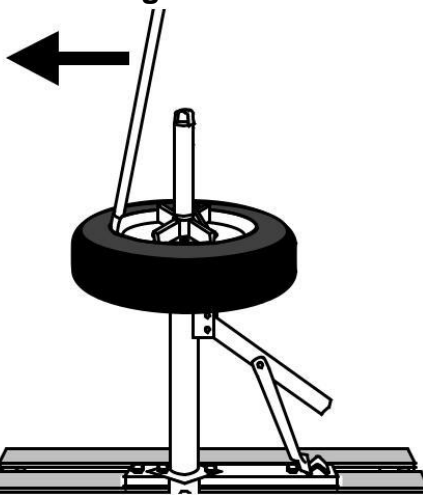
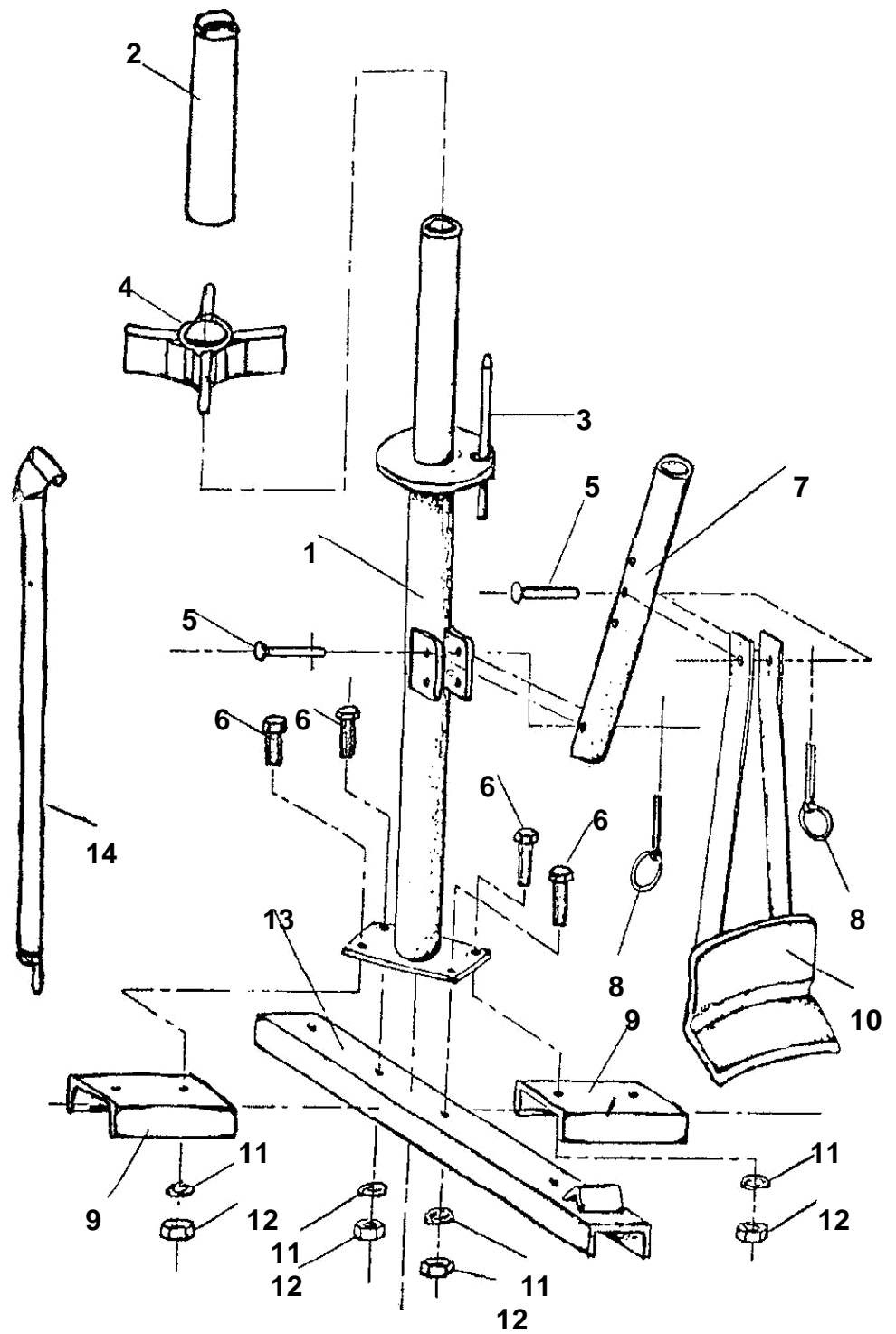


Figure 17



Assembly Diagram



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Parts List

Part	Description	Qty
1	Center Post	1
2	Post Cap	1
3	Lug Pin	1
4	Spider Post	1
5	Clevis Pin (7/16")	2
6	Bolt (3/8" x 16 x 1")	4
7	Bead Breaker Handle	1
8	R-Clip	2
9	Side Base	2
10	Bead Breaker Shoe	1
11	Lock Washer (3/8")	4
12	Nut (3/8" x 16)	4
13	Post Base	1
14	Mount/Demount Bar	1



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