

Imaginative MFG's Front Brake Kit

Club Car DS

****This system will only work with 10 or 12" wheels****



| <u>ITEM</u> | <u>QTY</u> |
|---|------------|
| A. Brake Rotors ----- | 2 |
| B. Brake Caliper Brackets & Hardware ----- | 2 |
| C. Brake System Assembly ----- | 1 |
| D. Reservoir Hose ----- | 1 |
| E. Reservoir ----- | 1 |
| F. Hose Clamps ----- | 2 |
| G. Clevis Pin for Master Cylinder ----- | 1 |
| H. Brake Actuator Block - 2-Piece, 4-Hole ----- | 1 |
| I. 1/4 x 2 1/4 bolts with locknuts for Brake Actuator Block ----- | 4 |
| J. Master Cylinder Mounting Bracket ----- | 1 |
| K. 1/4 x 1 Self Tapping Bolts ----- | 3 |
| L. 1/4 x 1 1/4 Bolts with Locknuts for Master Cylinder ----- | 2 |
| M. Tie Straps ----- | 4 |
| N. Thread Lock for Bolts ----- | 1 |

NOTE: We recommend this kit be put on by mechanically trained professionals or someone with hydraulic brake experience!

Assembly Instructions:

1. Lift the cart and place on jack stands and remove the front wheels & tires.
2. Remove the front wheel hubs (parts that has studs that front wheels mount to)
3. Install the caliper brackets using the hardware (ITEM A). Tighten securely. Recheck hardware after 5 minutes of use and until the bolts remain tight.
4. Install IMI's new rotors to your cart (ITEM B), Figure 1
5. Bolt the master cylinder brake mount (ITEM J) to the frame on the passenger side in front of the stock brake system using the supplied self-tapping bolts (ITEM K). Use FIGURE 2 as a guide.
6. Take brake assembly (ITEM C) and mount the master cylinder to the master cylinder mount (ITEM J) using the supplied bolts and nuts (ITEM L). **NOTE: Mount with the brake lines towards the front of the cart.**
7. Route the brake line assembly through the center of the frame and to each side of the cart. There is a driver side and passenger side caliper. The lines must run up and in from the caliper and towards the inside of the carts as shown in FIGURE 3. Mount the the calipers to the caliper mounts as shown in FIGURE 3.
8. Mount the top part of the brake Actuator Block (ITEM H) to the master cylinder using the supplied clevis pin (ITEM G). **NOTE: The 2-piece brake lever is marked rear on the backside, which indicates this end goes towards the back of the cart.**
9. Bolt the bottom the brake Actuator Block (ITEM H) to the top using the supplied bolts and nuts (ITEM I). FIGURE 2 shows the brake lever mounted to the cart.
10. Mount the reservoir hose (ITEM D) to the reservoir (ITEM E) using the supplied clamp (ITEM F). Feed the hose from under the seat compartment to the master cylinder. Mount the reservoir (ITEM E) under the seat area to a convenient location. Use a supplied tie strap (ITEM M) to mount the reservoir. Some carts may need a 1/4" hole drilled for mounting.
11. Slide the other clamp (ITEM F) on the end of the reservoir hose (ITEM D). Pinch or plug the end of the hose before filling the reservoir. Using regular DOT 2 brake fluid, fill the reservoir. Do not put the lid on the reservoir. Turn the yellow cap on the master cylinder slightly upward and then remove the yellow cap. Slowly release the pinched hose and allow the air to be come out of the hose. Once the air is released and the brake fluid is flowing clamp the hose to the master cylinder as shown in FIGURE 4. Refill the reservoir.
12. Securely tighten all bolts & nuts.
13. Put the wheels and tires back on the cart.
14. Test drive the cart. Pump the brakes several times to seat the calipers to the rotors. If you have no front brakes after pumping the brake pedal you have let air into the system and it will require the brakes being bled.
15. Using supplied tie straps (ITEM M), tie the brake lines to the frame of the cart as needed to keep lines from rubbing.

Figure 1



Figure 2



Figure 3



Figure 4

