

# MANUAL LIFT COOLIFT BRAKE BLEED KIT

## PARTS LIST

Description	Qty.	Part No.
Bleed Kit <i>consists of items below:</i>		315100
30 ml syringes	3	315119
1/8" female luer fittings	3	315101
DYNO bleed fitting	3	315099
1/8" clear vinyl hose - 3" long	3	315108
Hose clamps	3	315109

## TOOLS REQUIRED

- DOT 4 BRAKE FLUID
- DRIP RAGS
- ISOPROPYL ALCOHOL
- 3MM ALLEN WRENCH
- 4MM ALLEN WRENCH
- T-10 TORX WRENCH

## Instructions for bleeding brake lines and setting calipers on the Manual Lift Coolift brake system (models beginning with CMH):

1. Raise the deck all the way and place drip pads under the calipers. Remove the master cylinder using a 4mm Allen wrench and re-mount or position so the bleed screw is in the upright position.
2. Fill one of the syringes with 30 ml of DOT 4 brake fluid. Turn the syringe vertically so that the plunger is oriented on the bottom. With a rag covering the bleed fitting, push the plunger until fluid replaces all air in the tube and in the syringe. Clip the tube. Remove the bleed screw with the T-10 Torx wrench and thread the syringe into the master cylinder.
3. Using the 3mm Allen wrench, remove the caliper brackets. Remove the bleed screws on both calipers using a T-10 Torx wrench. Thread the two remaining syringes into the brake calipers while the syringes are empty. **NOTE: Keep the calipers in the upright position.**
4. Unclip all three syringe tube clamps and slowly push the brake fluid back and forth from master cylinder to the brake calipers. When pushing fluid from calipers be sure to push both syringes simultaneously. Continue this procedure until all air is out of the system (when no air bubbles are visible).
5. Once the system has been fully bled, clip both caliper syringe tubes and remove the two syringes from the brake calipers and re-install the bleed screws. Keep the bleed port facing up to prevent fluid from escaping and to prevent air from re-entering. **TIP: You can put your finger over the bleed port immediately after removing syringe to prevent re-introducing air into the system.**
6. Prior to removing the syringe from the master cylinder and installing the calipers back on the rotors, it is best to set the brake calipers.
  - Setting the brake pads will take any travel out of the master cylinder lever.
  - Slowly squeeze the master cylinder repeatedly until the brake pads are just about touching in each caliper.
7. Leave the syringe on the master cylinder with the tube clip open while setting the pads to ensure that both the calipers and master cylinder are full of brake fluid.
8. Reinstall the calipers on the rotors. If the pads are too tight, use a small flat head screwdriver to gently wedge them open just enough to slide over the rotor. **CAUTION: Excessive force may cause damage to the brake pads, and/or require them to be reset.**
9. Remove the master cylinder using a 4mm Allen wrench and re-mount to the original orientation.
10. Clean the calipers and master cylinder with a rag and isopropyl alcohol. **NOTE: It is important to not to get any brake fluid on the brake pads.**

# HYDRAULIC BRAKE TRUCK BRAKE BLEED KIT

## PARTS LIST

Description	Qty.	Part No.
Bleed Kit <i>consists of items below:</i>		315100
30 ml syringes	3	315119
1/8" female luer fittings	3	315101
DYNO bleed fitting	3	315099
1/8" clear vinyl hose - 3" long	3	315108
Hose clamps	3	315109

## TOOLS REQUIRED

- DOT 4 BRAKE FLUID
- DRIP RAGS
- ISOPROPYL ALCOHOL
- 7/16 SOCKET & WRENCH
- 90 DEGREE PHILIPS HEAD SCREWDRIVER
- 4MM ALLEN WRENCH
- T-10 TORX WRENCH

## Instructions for bleeding brake lines and setting calipers on the Hydraulic Brake Truck (models beginning with PBA):

1. Remove the master cylinder using a 4mm Allen wrench and re-mount or position so the bleed screw is in the upright position.
2. Fill one of the syringes with 30 ml of DOT 4 brake fluid. Turn the syringe vertically so that the plunger is oriented on the bottom. With a rag covering the bleed fitting, push the plunger until fluid replaces all air in the tube and in the syringe. Clip the tube. Remove the bleed screw with the T-10 Torx wrench and thread the syringe into the master cylinder.
3. Using a 7/16 socket or wrench and the 90 degree Philips screwdriver, remove the caliper brackets. Remove the bleed screws with the T-10 Torx wrench. Thread the two remaining syringes into the brake calipers while the syringes are empty. **NOTE: Keep the calipers in the upright position.**
4. Unclip all three syringe tube clamps and slowly push the brake fluid back and forth from master cylinder to the brake calipers. When pushing fluid from calipers be sure to push both syringes simultaneously. Continue this procedure until all air is out of the system (when no air bubbles are visible).
5. Once the system has been fully bled, clip both caliper syringe tubes and remove the two syringes from the brake calipers and re-install the bleed screws. Keep the bleed port facing up to prevent fluid from escaping and to prevent air from re-entering. **TIP: You can put your finger over the bleed port immediately after removing syringe to prevent re-introducing air into the system.**
6. Prior to removing the syringe from the master cylinder and installing the calipers back on the rotors, it is best to set the brake calipers.
  - Setting the brake pads will take any travel out of the master cylinder lever.
  - Slowly squeeze the master cylinder repeatedly until the brake pads are just about touching in each caliper.
7. Leave the syringe on the master cylinder with the tube clip open while setting the pads to ensure that both the calipers and master cylinder are full of brake fluid.
8. Reinstall the calipers on the rotors. If the pads are too tight, use a small flat head screwdriver to gently wedge them open just enough to slide over the rotor. **CAUTION: Excessive force may cause damage to the brake pads, and/or require them to be reset.**
9. Remove the master cylinder using a 4mm Allen wrench and re-mount to the original orientation.
10. Clean the calipers and master cylinder with a rag and isopropyl alcohol. **NOTE: It is important to not get any brake fluid on the brake pads.**

### 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