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Racing Clutches & Driveline Components.

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**QUARTER MASTER INDUSTRIES
TRI-LITE RELEASE BEARING Part #735xxx**

INSTALLATION INSTRUCTIONS

There are several **CAUTIONS** that should be observed to protect yourself and others while installing this hydraulic release bearing:

WEAR EYE PROTECTION! The bearing unit is filled with brake fluid; if this enters the eye, it can severely damage eyesight.

DRAIN THE UNIT THOROUGHLY WHEN REMOVING OR REBUILDING UNIT! Take the time to drain the unit of any fluid that remains in the cylinder after removal from the vehicle. Brake fluid is a corrosive skin and eye irritant and can make for messy and slippery working conditions.

1. This bearing requires no setup shims or adjustments. The initial freeplay (with the piston completely compressed) should be between .100" and .250". If clearance is not within these limits, contact Quarter Master for a longer or shorter replacement piston.
2. Fill the unit with Dot 3 or Dot 4 brake fluid. Bench bleed the unit to expel all possible air and to verify that the unit is functional. **DO NOT USE DOT 5 BRAKE FLUID - THIS WILL DAMAGE THE O-RINGS!** DO NOT OVEREXTEND THE PISTON BY MORE THAN .625" TRAVEL – THIS WILL EJECT THE PISTON.
3. Install the unit in the bell housing using the (3) #10-24 X 5/8 countersunk screws provided, connect the hydraulic lines, and bleed the unit using the bleeder fitting on the upper line to remove all the air in the lines. Make sure that the master cylinder remains full during the bleeding operation.
4. Install a clutch stop. This unit has no internal stop. Excess travel can cause the piston to be ejected from the body.

SERVICE / REPLACEMENT PARTS:

ITEM	QUARTER MASTER P/N	DESCRIPTION
1	105030	Bearing 1.75" Contact
2	732xxx	Piston – See note below “xxx”
3	730007	O-Ring Seal
4	730008	Wiper Seal
5	730001	Body
6	730010	O-Ring / Fitting (2 req'd)
7	710015	AN-2 to AN-3 Fitting (2 req'd)
8	730011	Screw #10-24X5/8 (3 req'd)
9	710016	Bleeder Line (not shown)
10	710009	AN-3 Fitting (not shown)
11	720011	Bleeder Screw (not shown)
12	730012	Inlet Line (not shown)

- Notes: 1) Piston 3-digit number is marked on back of piston
2) Seal rebuild kit is QMI P/N 730101, which includes:
(1) 730007, (1) 730008, (2) 730010

