

Lip Cylinder Replacement Instructions (VH & PR models)

WARNING

These instructions are for use by qualified service professionals only. If you are not qualified to work on hydraulic dock levelers and associated electrical power supplies - **STOP! DO NOT PROCEED!**

1. Raise dock leveler.
2. Support leveler by raising maintenance prop. Lock out and tag out prop according to OSHA regulations until service is complete.
3. Disconnect power to leveler.
4. Temporarily lock out and tag out the power source according to OSHA regulations and approved local electrical codes.
5. Barricade the work area to prevent use of the unit before the installation is completed.
6. Disconnect hydraulic line and weep line (if equipped).
7. Cap hydraulic line with #6 JIC fitting to prevent fluid leakage.
8. Remove 90 degree elbow (weep line fitting) or breather cap from old cylinder.
9. Install elbow or breather in new cylinder.
10. Cap cylinder hydraulic line and weep hole with caps from replacement cylinder.
11. Remove spring bar (if equipped).
12. Front of cylinder: remove cotter pin and clevis pin from cylinder yoke.
13. Rear of cylinder: remove two hair pins and clevis pin.
14. Remove cylinder from leveler.
15. Install new cylinder by following steps in reverse order.
16. Remove lock out from control box and reconnect power to leveler.
17. Cycle leveler, checking for proper operation and fluid leaks.
18. Check fluid level with ramp in below-dock position add fluid as needed.

LIP CYLINDER PARTS BREAKDOWN

| ITEM | DESCRIPTION | PART NUMBER |
|------|------------------------------|-----------------|
| 1 | Pin, Clevis, Lip Cylinder | 0522-0005 |
| 2 | Cotter Pin | 2101-0045 |
| 3 | Fitting Elbow, 90 deg., Male | 0521-0007 |
| | Fitting, Breather, Brass | 0521-0028 |
| 4 | Spring, 1-3/4" dia. x 4" | 0522-0002 |
| 5 | Hold Down Weldment | Varies By Model |
| 6 | Pin, Lip Cylinder, Mounting | 9202-0004 |
| 7 | Hair Pin Clip (requires 2) | 2101-0049 |
| 8 | Lip Cylinder 14" | 0525-0086 |
| | Lip Cylinder 20" | 0525-0087 |

