Glass, LS, or SS Opto-Matic Oilers

Read Instructions Before Installing

Innovation in Opto-Matic Installation

The Opto Laser Level Tool easily installs and sets the Opto-Matic Oiler accurately and in a timely manner. It can also be used as an inspection device. Many times, Opto-Matic Oilers are improperly installed, and in some cases improperly used, however the Opto Laser Level tool can help overcome these issues. Order your Opto Laser Level Tool today by calling 800-558-7008.

Installing:

1. Prior to installing the Opto-Matic Oiler, shaft rotation direction must be determined, typically indicated by an arrow on the casting of the equipment. Install oiler on the side of the equipment facing the direction of shaft rotation to prevent misfeeding of the Opto-Matic Oiler (Fig 1).
2. Determine proper oil level, which may be indicated on the equipment with an arrow. If that is not the case, engineering drawings or the equipment's operator manual can provide the information. Indicate proper oil level on equipment using a marking device such as; a marker, scribe, paint, etc.
3. Loosen set screw on reservoir assembly. Remove reservoir assembly and level adjuster from lower casting.
4. Be sure all connecting hardware is free from contaminants (burrs, chips, dirt, etc.) to prevent clogging or damage to the equipment to be lubricated.
5. Connect lower casting to bearing chamber either through the side connection or the bottom connection (Fig. 2). Use thread compound on threaded areas, except for supplied plug.
6. Verify the lower casting is level and parallel with desired oil level (Fig. 3). Make necessary adjustments if needed (the **Opto Laser Level Tool** can be used to help with alignment).
7. From the oil level mark indicated on the equipment, use a level to put a mark on the outside of the Opto-Matic lower casting to indicate where the oil level should be (Fig 3).
8. Measure the distance between Opto-Matic Oiler bottle and casting edge (Fig 4). Mark this distance above the original line made in step 7 on the outside of the Opto-Matic lower casting (Fig. 5). Now the bottom of the upper casting can be used as an indicator of oil level.
9. Set oil level adjuster (**Opto Laser Level Tool** can be used). Thread top adjuster arm to desired level (Fig 6). Place inside lower casting. Place reservoir assembly over lower casting. Verify the bottom of the lower casting is at the oil level mark on the outside of the lower casting made in step 8 (Fig 5). You may need to adjust the upper arm on the oil level adjuster assembly to obtain the correct oil level.
10. Once the correct oil level is obtained, lock the lower level adjuster arm against the top arm (Fig 6). Place level adjuster assembly in lower casting.
11. Fill the equipment bearing chamber through the lower casting until the oil level reaches just below the upper arm on the oil level adjuster assembly.
12. Use a funnel to fill the reservoir assembly 2/3rds with the recommended oil.
13. Place thumb over reservoir opening, invert, and insert on lower casting assembly. Tighten set screw on reservoir assembly.
14. Start up equipment to verify proper oil level is being maintained.

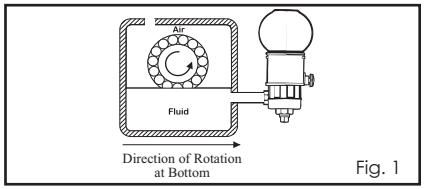

Fig. 1

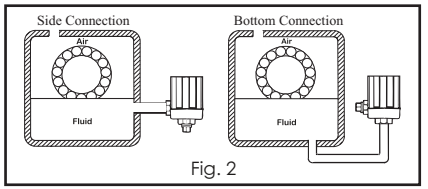

Fig. 2

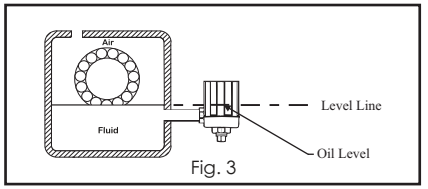

Fig. 3

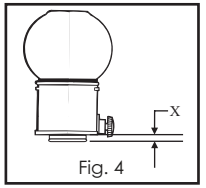

Fig. 4

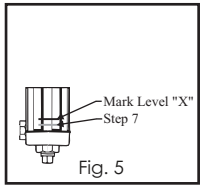

Fig. 5

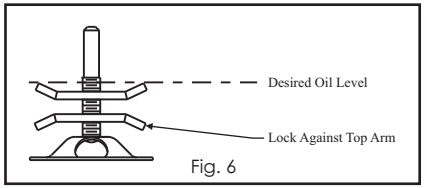

Fig. 6

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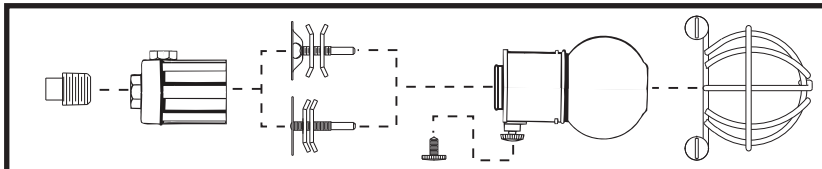
Glass Opto-Matic Replacement Parts



Wire Guard Assy.	
2 1/2 oz. Oiler	30012
4 oz. Oiler	30013
8 oz. Oiler	30016
16 oz. Oiler	30020

Reservoir Assy. with Set Screw	
2 1/2 oz. Reservoir	20400R
4 oz. Reservoir	20403R
8 oz. Reservoir	20405R
16 oz. Reservoir	20407R

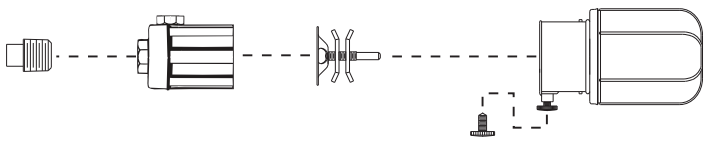
Set Screw Only	
1 1/4 oz. and 2 1/2 oz. Oiler	10975
4 oz., 8 oz., and 16 oz. Oiler	10267

Level Adjuster Assy.	
1 1/4 oz. and 2 1/2 oz. Oiler	20397R
4 oz., 8 oz., and 16 oz. Oiler	20402
Flat Level Adjuster	40439

Lower Casting w/o Plug	
1 1/4 oz. and 2 1/2 oz. Oiler 1/4 BSPT	10306 14241
4 oz., 8 oz., and 16 oz. Oiler 1/4 BSPT	10298 14239R

Pipe Plug	
1/4 NPT	10321
1/4 BSPT	14201

"LS" Opto-Matic Replacement Parts



Reservoir Assy. with Set Screw	
4 oz. Reservoir	20575R
8 oz. Reservoir	20578R

Set Screw Only	
All Sizes	10267

Level Adjuster Assy.	
All Sizes	20402

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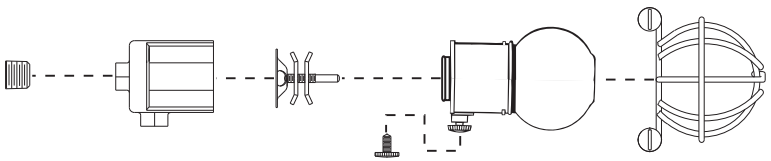
316 SS Opto-Matic Replacement Parts



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16 oz. Reservoir	20605R

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All Sizes	13257

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Lower Casting w/o Plug	
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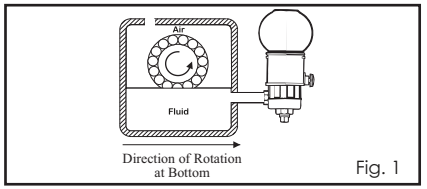

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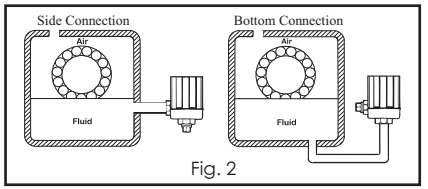
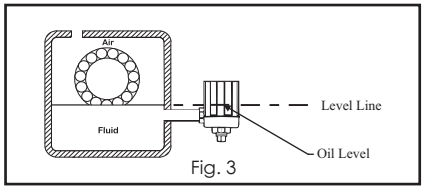


Fig. 2



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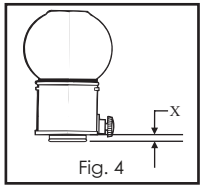

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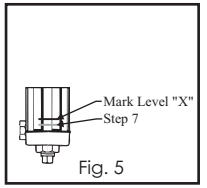

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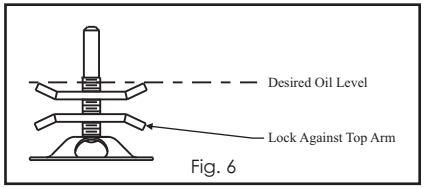

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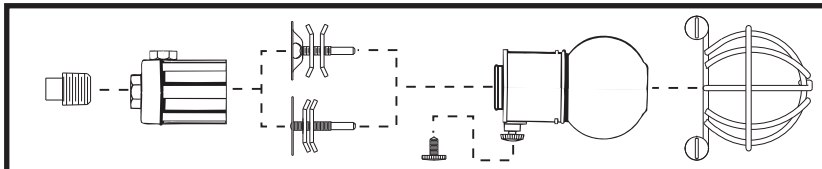

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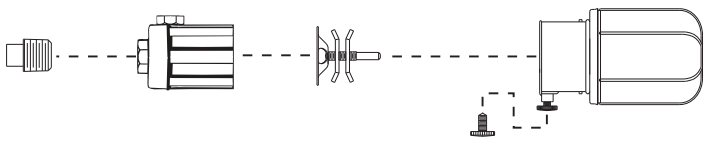

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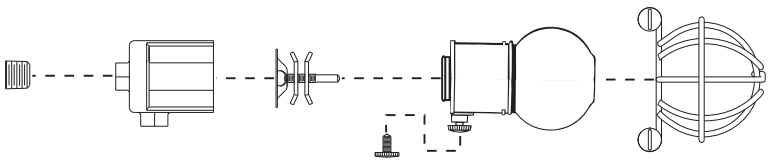

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