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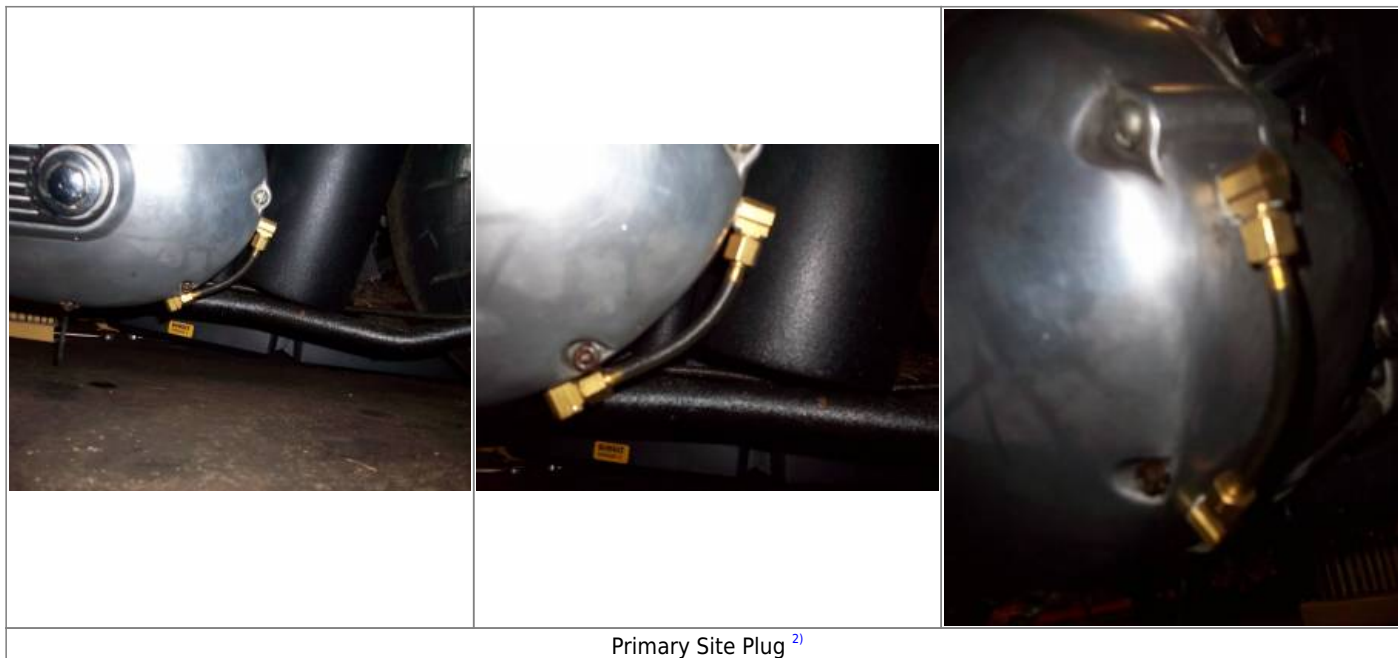
REF: Oiling & Lubrication - Sub-05C

Homemade Primary Oil Sight Gauge

Article by asasal of the XLFORUM ¹⁾

This should be done with the primary cover removed to keep the shavings from the drilling and tapping out of your engine.

- Parts:
 - 1/8" MIP to 1/4" 90° brass fitting
(any hardware store should carry these and you can also get creative with 90° fittings in your choice of brass or stainless steel)
 - 1/4" clear tubing (or the milky colored tubing used for an ice maker works as well)
 - 1/8" pipe tap
 - Pipe dope
- Mark the holes for the length you want (the site tube should extend higher than the optimum oil level).
- Pre-drill the holes
- Tap the threads with a 1/8" pipe tap (tapered thread)
 - Only run the tap in about half way and check your fitment.
 - If the fitting needs to go farther in, take it out and run the tap back in a little more and then re-check fitment.
With the tapered pipe tap, the hole gets bigger the further you screw it in. Run it in too far and it can make for a bad fit and cause leakage.
- Install the fittings with some pipe dope on the threads and put a piece of clear tubing between them and that's all there is to it.
- With the bike on the kickstand, the level may be a little over the top of the tube. But, if you put a mark with a sharpie on your cover (level with the check plug towards the front of the cover) you will see where it should be with the bike level.
- Once you get use to seeing where it should be, you won't have to worry much about having a mark.



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1)
<https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-general-discussion-and-problems/104401-primary-oil-sight-gauge-5-mod-that-could-save-you-hundreds?t=922963&highlight=tapping+threads>

2)
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