



# Customer Service Bulletin Commercial Business Group

## Products With Briggs & Stratton Daihatsu Engines

<u>Model/Serial Range:</u>	<u>Model Number:</u>	<u>Serial Numbers:</u>
	04380	60101-200999999
	04383	200000101-200999999
	30230	60101-200999999
	02003	80101-99999

**Subject: Potential Engine Damage Due To Improper Oil Fill Procedure**

See the Briggs & Stratton Daihatsu service bulletin #7 below for proper oil fill procedure. Oil capacity listed on the Briggs & Stratton Daihatsu Service Bulletin as "3.5 Qts." is in "U.S." measurement.



## SERVICE BULLETIN

**TO** All Authorized Briggs & Stratton Daihatsu Dealers

**No.** 7

**SUBJECT** Oil Fill Procedure

**DATE** 7/00

**FILE IN** 0729 Binder

**MODEL(S)** All Vanguard Three Cylinder Liquid Cooled Engines

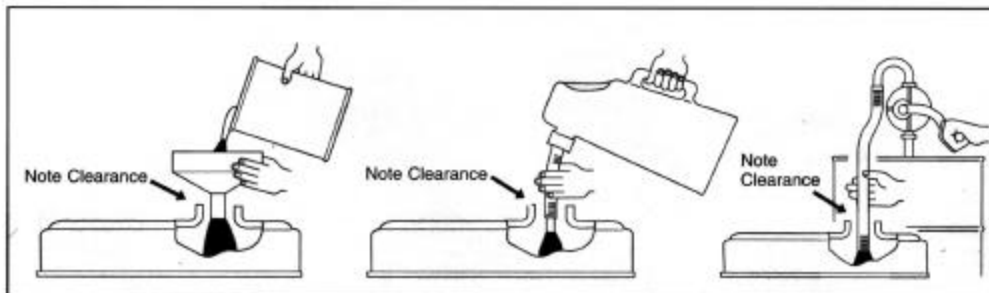
It has come to our attention that severe engine damage may occur if the proper oil fill procedure is not observed. If a large quantity of oil is added too quickly to the engine, the valve cover chamber can fill with oil and overflow into the breather tube and enter the intake manifold. When the engine is started, the oil is ingested into the cylinders which may result in hydraulic lock. To prevent this condition from occurring follow the procedure outlined below.

### Oil Fill Procedure

1. Place equipment on level surface (engine must be level).
2. Remove dipstick to allow air to vent from crankcase while filling engine with oil.
3. Add oil slowly to prevent filling valve cover chamber with oil and overflowing into breather tube.

**Note:** Be sure to provide clearance between oil fill device (funnel, oil fill spout, etc.) and oil fill hole in valve cover to permit proper venting while filling. See examples below.

**Oil Capacity(with filter) : 3.5 Qts. (3.3 Liters)**



4. Replace dipstick.
5. Start and run engine at idle for approximately 30 seconds, then shut engine off. Wait 30 seconds and check oil level. Add oil, if required, to bring level to **Full** mark on dipstick. **DO NOT OVERFILL.**