

**Industries Bouchard, Inc.**

La Pocatière, P.Q. Canada  
code 418 tél.: 856 1232  
téléc. 011 3486

October 22nd, 1970.

DATE \_\_\_\_\_

SUBJECT: MODIFICATION ON HIRTHS ENGINE 500CC AND 634CC,

To lower the temperature of the cylinders on these types of engine, and to avoid a piston seizure, a new air plate has been designed to recirculate the air and it can be installed easily. This air plate is available at the Central Parts Depot with all the necessary parts for installation under a kit form and may be ordered through the usual channels.

The part number of this kit will be 1L 1002, for the 500CC, and 1L 1003, for the 634CC, and will consist of the following parts:

2	-	1B00-91-012	studs
2	-	1B00-91-011	spacers
6	-	F1173	gaskets
2	-	1B-08-01	bushings
1	-	2B-68-01-168	air plate for 634CC
or 1	-	2B-68-101	air plate for 500CC.

To modify an engine with this new air plate, proceed as follows:

- 1° Remove the carburettor;
- 2° remove 2 studs holding the carburettor;
- 3° remove the original air plate;
- 4° remove the intake manifold
- 5° remove the 4 studs holding the intake manifold on the engine block;
- 6° screw on the engine block the 2 studs removed in (2) and use the 2 studs supplied in the kit under the reference 00-91-012 (see drawing);
- 7° install the new air plate reference 68-00-111 or 68-01-168, using a gasket as per drawing;

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- 8° install 2 of the studs removed from the engine block on the manifold for the carburettor;
- 9° reinstall the intake manifold and carburettor, using in the proper order for all the parts supplied with the kit, as shown in the drawing 28-05-01-74;

This operation will carry S.T.O. No. 49-008, and this number has to appear on all the warranty claims submitted for this operation.

Flat Rate Allowance: \$2.00.

Yvon Arpin  
Director of After Sale Services.

YA/CB

