

service bulletin

M92-10 Technical Portions Are FAA Approved
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14 August 1992

SUBJECT: **STARTER ADAPTER**

MODELS

AFFECTED: Sandcast 470's, 520's, 550's, O-300-D, all 360's and all GTSIO-520's.

COMPLIANCE: As Required

TCM is currently producing an improved starter adapter for the engine models listed above. These adapters include a new style shaft gear, clutch spring, worm wheel gear and no longer utilize the adapter housing sleeve. These changes improve the adapters resistance to slippage during starting and increase its wear resistance.

Applicable parts catalogs are currently being revised to reflect all of the parts which will go into effect with the improved adapters. The new part numbers are ink stamped on the adapter housing and can be identified by the part numbers listed below which includes all "A" suffix numbers such as 643259A4.

BASIC PART NO.	ENGINE MODEL
643259	ALL 470's IO-520-A, D, E, F, J, K & L IO-550-D, E, F & L TSIO-520-C, G, H, M, P, R, T, AF & CE ALL GTSIO-520's
643147	TSIO-520-AE
643152	L/TSIO-520-AE
646220	O-300-D IO-360-A, C, D, ES, G, H, J, JB, K & KB L/TSIO-360-A, B, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, K, KB & LB
653074	TSIO-360-MB

NOTE...These new adapters will exhibit varying degrees of resistance to propeller rotation in the direction opposite of normal engine cranking rotation. This is caused by the light friction which is required to initiate clutch engagement in the cranking mode and is considered normal.

Contact your local TCM Distributor for the latest starter adapter assembly part number for your particular engine model and specification.