

**20A400 to 20A499**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 20A400 SERIES ENGINES REPLACED WITH  
 STANDARD SERVICE ENGINES**

In most cases, the Original Type numbers shown may be replaced by a Service Type Number without making any changes. Necessary changes of engine parts such as crankshafts, reduction parts, blower housings, etc., are noted. Other differences, such as mufflers, elbows, deflectors, etc., are not listed but are very important for safety and engine performance. Be sure the exhaust system on the replacement engine duplicates the system originally selected by the equipment manufacturer. Parts that are suitable for additional use should be transferred. Before making any conversion, check the data shown in the column labeled "REMOVE, ADD and NOTE." See if the changes, which are shown, are actually necessary on the application in question. Often a standard service engine will be a WORKABLE replacement without converting to such things as a special fuel tank or starter position.

If the crankshaft number does not appear in the "Original Engine" column, consult the Illustrated Parts List for the correct service replacement crankshaft number.

**Engine Replacement Notes:**

- NOTE 15:** For all Go-Karts use only a Model 136200 series engine as a replacement, regardless of the original Model.
- NOTE 41:** Original engine was equipped for or with a 12 volt or 120 volt Gear Drive Starter and/or with alternator only. Transfer all related parts as required.
- NOTE 64:** Transfer Alternator Assembly from original engine to replacement engine.
- NOTE 88:** Transfer Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service or add new parts as required
- NOTE 117:** Original engine was equipped for or with a 230 volt Gear Drive Starter . Transfer all related parts as required.

**Short Block Notes:**

The SHORT BLOCK part number shown, is the assembly which can be used to rebuild the Original Type Number. If a letter appears after the short block number, it indicates the short block must be modified. The change denoted by each letter is as follows:

**20A400 to 20A499**

Original Engine			Make From		Remove		Add		Note	Change to Type	Trim	RPM	Short Block			
Type	Model	Crank	Model	Type #	Qty	Part #	Qty	Part #					Part #	Notes		
0007	20A412	695462	STD.						15 41		All	3600	696094			
0009	20A412	695369	STD.						15		All	3600	696095			
0105	20A412	695369	20D414	0019					15 88		All	3600	696095			
0108	20A416	695369	20A412	0009					15 41 88		All	3450	696095			
0110	20A414	695369	20A412	0009					15		All	3450	696095			
0111	20A414	696412	20A412	0007	1	695462	1	696412	15 41 88		All	3600	790841			
0113	20A414	696412	20A412	0007	1	695462	1	696412	15 64 88 117		All	3600	790841			
0348	20A414	696412	No Replacement Repair With Short Block and/or Individual Parts										All	3600	790841	
0353	20A414	696412	20D414	0017	1	695462	1	696412	15 64 88 117		All	3600	790841			
0365	20A414	696412	20D414	0017	1	695462	1	696412	15 64 88 117		All	3600	790841			
0375	20A414	696412	20A412	0007	1	695462	1	696412	15 41 88		All	3600	790841			