

**20B400 to 20B499**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 20B400 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 88:** Transfer Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service or add new 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:

**20B400 to 20B499**

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	
0017	20B414	696412	STD.						15		All	3600	790841		
0110	20B412	695369	20D414	0019					15		All	3600			
0112	20B437	695462	No Replacement Repair With Short Block and/or Individual Parts									All	3800	696094	
0113	20B414	695369	20D414	0019					15		All	3600			
0121	20B414	695369	20D414	0019					15		All	3600			
									88						
0369	20B414	696412	20B414	0017					15		All	3500	790841		