FORM MS-5581-1/04
REPLACES FORM MS-5581-8/02
FILE IN SECT. 2B OF SERVICE ENGINE SALES MANUAL

145400 to 145499





# SALES MANUAL

### MODEL 145400 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 1: Cut off PTO shaft so it is 1-3/4" long from shoulder to outer end.

NOTE 15: For all Go-Karts use only a Model 136200 series engine as a replacement, regarless of the original Model.

NOTE 17: Gear Red. @ 3 o'clock.

**NOTE 21:** If the Gear Reduction parts are suitable for additional service, use Model 196412 Type No. 1024. **NOTE 116:** If necessary, to make the original engine crankshaft center line the same add 695154 spacer kit.

#### **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:

### 145400 to 145499

Original Engine			Make From		Remove			Add		Change			Short Block		
Type	Model	Crank	Model	Type #	Qty	Part #	Qty	Part #	Note	to Type	Trim	RPM	Part #	Notes	
0110	145401	260607	202432	0036					15		All	3600			
									116						
0111	145402	260607	202432	0036					15		All	3600			
									116						
0115	145431	260358	No Re	placemen	t Repa	ir With Ir	ndividua	ll Parts.	15		All	3600			
0116	145432	260358	No Re	placemen	t Repa	ir With Ir	ndividua	l Parts.	15		All	3600			
0120	145451	260389	202452	0049					15		All	3600			
									116						
0121	145452	260389	202452	0049					15		All	3600			
									116						
0130	145431	260425	201432	0036					15		All	3600			
2121	4.5.00								116						
0131	145432	260472		placemen	•				15		All	4000			
0132	145431	260359		placemen					15		All	3600			
0133	145432	260359		placemen					15		All	1860			
0134	145432	260425		placemen	t Repa	ir With Ir	ndividua	ıl Parts.	15		All	3600			
0135	145432	260389	202452	0049					15		All	2800			
									17						
0400	4.45.400	000050	N- D-		4 D	: \ A (!4!		I Davida	116		A II	2000			
0136	145432	260359		placemen	т кера	ir vvitn ir	ndividua	ıı Parts.	15		All	3000			
0137	145432	260425	201432	0036					15		All	3800			
0400	4.45.400	000007	000400	0000					116		A 11	0000			
0138	145402	260607	202432	0036					15 116		All	3600			
0120	145400	260607	202422	0036					116		All	4000			
0139	145402	260607	202432	0036					15 116		All	4000			
0140	145401	260667	No Pa	placemen	t Rena	ir With Ir	ndividua	I Parts	15		All	3600			
0140	140401	200007	NO RE	piaceineli	т пера	ii VVIUI II	iuiviuud	ii i ai io.	10		ΑII	3000			—

# For Briggs & Stratton Discount Parts Call 606-678-9623 or 606-561-4983

## 145400 to 145499

Original Engine			Make	Remove Ad		Add		Change			Short Block				
Туре	Model	Crank	Model	Type #	Qty	Part #	Qty	Part #	Note	to Type	Trim	RPM	Part #		Notes
0141	145402	260607	202432	0036					15		All	2450			
									116						
0142	145432	260359	No Re	placemen	t Repa	ir With I	ndividu	al Parts.	15		All	3600			
0143	145401	260607	No Re	placemen	t Repa	ir With I	ndividu	al Parts.	15		All	4000			
0144	145451	260389	202452	0049					15		All	3600			
									17						
									116						
0145	145402	260607	202432	0036					15		All	4000			
									116						
0146	145402	260607	202432	0036					15		All	3000			
									116						
0147	145402	260607	202432	0036					15		All	4000			
									116						
0148	145432	260423		placemen	t Repa	air With I	ndividu	al Parts.	15		All	3600			
0149	145451	260389	202452	0049					1		All	3000			
									15						
									21						
									116						
0150	145401	260425		placemen					15		All	3600			
0151	145401	260667		placemen	t Repa	ir With I	ndividu	al Parts.	15		All	3600			
0152	145431	260425	201432	0036					15		All	3600			
									116						
0153	145452	260389		placemen	t Repa	air With I	ndividu	al Parts.	15		All	3000			
0154	145402	260607	202432	0036					15		All	2200			
									116						
0155	145401	260607	202432	0036					15		All	3600			
									116						
0156	145401	260607	202432	0036					15		All	3600			
									116						