

302400 to 302499**SERVICE ENGINE****SALES MANUAL****MODEL 302400 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 49: Replacement engine is equipped with Electric Starter. However, if original Electric Starter parts are suitable for additional service, the parts can be transferred to Rope Starter Model 326431 Type 2520.

NOTE 50: Replacement engine is not available in the U. S. A. Repair with individual parts.

NOTE 53: Reverse Engine Base.

NOTE 65: Transfer base from original engine, or add 391165 base as a new part.

NOTE 77: Transfer Fuel Pump and related parts from original engine to replacement engine.

NOTE 84: Transfer Intake Elbow and Governor Link from original engine, or add #211419 Intake Elbow and #26725 Governor Link.

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:

302400 to 302499

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
0020	302431	261218	326431	2520					50		All	3750	393870	
0021	302431	261219	No Replacement Repair With Individual Parts.									01	2900	
0022	302431	261245	No Replacement Repair With Individual Parts.									01	3700	
												02	3700	
0023	302434	261218	326437	2528					50		01	3750	393870	
0027	302437	261218	326437	2527					50		01	3750	393870	
0111	302431	261218	326431	2520					50		01	2900	393870	
												02	2900	
												03	2900	
0112	302431	261219	326431	2520	1	261218	1	261219	50		01	2900		
					1	299609	1	291675						
0113	302431	261225	326431	2520	1	261218	1	261225	50		01	2900		
					1	299609	1	291675						
0114	302431	261245	326431	2520	1	261218	1	261245	50		01	2900		
					1	299609	1	291675						
0115	302437	261218	326437	2527					50		01	2900	393870	
											02	2650		
0117	302431	261218	326431	2520					50		All	2900	393870	
0118	302434	261218	326437	2527					50		01	2900	393870	
0119	302432	261228	326432	2561					50		01	2900		
0120	302431	261218	326431	2520					50		01	2900	393870	
									65					
0126	302431	261219	326431	2520	1	261218	1	261219	49		01	2900		
					1	391062	1	391710	50					

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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
0127	302431	261245	326431	2520	1	261218	1	261245	50		01	2900		
					1	391062	1	291710						
0128	302431	261218	326431	2520	1	220197	1	221976	50		01	2900	393870	
							1	299907						
0129	302431	261218	326431	2520	1	298975	1	391116	50		01	2900	393870	
0130	302431	261218	326431	2520					50		01	2900	393870	
											02	3600		
											03	2900		
0131	302431	261218	326431	2520	1	220197	1	221976	50		01	2900	393870	
							1	299907						
0132	302431	261218	326431	2520					50		01	3750	393870	
0133	302431	261218	326431	2520	1	391065	1	391070	50		01	2900	393870	
									53		02	2900		
0134	302431	261223	326431	2550					50		01	2900		
0135	320431	261220	326431	2582					50		01	3750		
0136	302434	261218	326437	2527	1	391065	1	390927	50		01	2900	393870	
0137	302437	261218	326437	2527	1	220197	1	391070	50		01	3400	393870	
					1	391065					02	3400		
0138	302431	261218	326431	2520	1	220197	1	391068	50		01	3600	393870	
					1	391065	1	66538	65					
									77					
0139	302431	261218	326431	2520	1	391065	1	261173	50		01	2900	393870	
					1	93357	1	390927	53					
							1	93415	84					
0140	302431	261245	326431	2520	1	261218	1	261245	50		01	3700		
					1	299609	1	291675						
0141	302431	261245	326431	2520	1	261218	1	261245	50		01	3000		
					1	391062	1	291710	65					
0142	302432	261255	326432	2561	1	261413	1	261407	50		01	3700		
					1	299609	1	291675						
0143	302434	261218	326437	2528	1	220197			50		01	3200	393870	
0144	302431	261220	326431	2582					50		01	3600		
0145	302437	261218	326437	2527	1	220197	1	391068	50		01	3300	393870	
					1	391065	1	66538	65					
									77					
0146	302432	261228	326432	2561	1	391065	1	390927	50		01	2900		
									53					
									84					
0147	302437	261218	326437	2527					50		01	2650	393870	
									65					
0148	302431	261218	326431	2520					50		01	2900	393870	
0149	302431	261218	326431	2520					50		01	2900	393870	
									65					
0150	302434	261218	326437	2528	1	220197	1	391070	49		01	2900	393870	
					1	391065			50					
0151	302431	261218	326431	2520	1	220197			50		01	3100	393870	
0152	302434	261218	326437	2528	1	220197	1	391070	49		01	2900	393870	
					1	391065			50					
0153	302434	261218	326437	2528	1	220197			49		01	2900	393870	
									50					
0154	302431	261218	326431	2520					50		01	3750	393870	
0155	302431	261220	326431	2582					50		01	3600		
											02	3600		
0156	302431	261218	326431	2520					50		01	3750	393870	
0157	302431	261222	326431	2520	1	261218	1	261222	50		01	2900		

302400 to 302499

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
0158	302432	261255	326432	2561	1	261413	1	261407	50		01	3700		
					1	299609	1	291675	65					
					1	391065	1	391068	77					
0159	302437	261245	326437	2527	1	261218	1	261245	50		01	3700		
					1	299609	1	291675	65					
					1	391065	1	391068	77					
							1	93722						
0160	302431	261218	326431	2520					50		01	3300	393870	
0161	302432	261413	326432	2561	1	391065	1	390927	50		01	2900		
									53					
									84					
0162	302432	261407	326432	2561	1	220197	1	261407	50		01	3700		
					1	261413	1	291675	65					
					1	299609	1	391068	77					
					1	391065								
0163	302432	261407	326432	2561	1	261413	1	261407	50		01	3700		
					1	299609	1	291675						
0164	302432	261407	326432	2561	1	261413	1	261407	50		01	2900		