

21B900 to 21B999

SERVICE ENGINE



SALES MANUAL

**MODEL 21B900 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 23:** If the original engine is equipped with a Six Pin Wiring Harness transfer to the replacement engine.
- NOTE 35:** Transfer the Speed Limiter Control Assembly to the replacement engine.
- NOTE 61:** The original engine was equipped with Debris Gard. Transfer these parts to replacement engine.
- NOTE 64:** Transfer Alternator Assembly from original engine to replacement engine.
- NOTE 68:** Transfer Flywheel and Alternator Assembly from original to replacement engine.
- NOTE 81:** Transfer Governor Spring 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 90:** Transfer Oil Sensor to the replacement engine.
- NOTE 110:** Transfer the Rewind Starter Assembly to the replacement engine.
- NOTE 120:** Transfer the Carburetor Float Bowl and Fuel Solenoid Assembly to the replacement engine.

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:

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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
0015	21B902	697390	STD.								All	3300	697740	
0016	21B972	697390	STD.						23		All	3300	697739	
0020	21B906	697390	STD.								All	3300	697740	
0022	21B902	697390	STD.								All	3300	697740	
0026	21B907	697390	STD.						23		All	3300	697740	
0028	21B907	697390	STD.								All	3300	697740	
0029	21B907	697390	STD.						23		All	3300	697740	
0036	21B977	697390	STD.						23		All	3300	697739	
0038	21B977	697390	STD.								All	3300	697739	
0110	21B977	697390	21B977	0036					64 120		All	3400	697739	
0111	21B977	697390	21B977	0036					88		All	3000	697739	
0112	21B972	697390	21B972	0016					88 110		All	3300	697739	
0113	21B977	697390	21B977	0036					88		All	3300	697739	
0114	21B976	697390	21B972	0016					23 68 81 88 110 120		All	3600	697739	

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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
0115	21B972	697390	21B972	0016					81 88 120		All	3600	697739	
0116	21B972	697390	21B972	0016					61 88 120		All	3300	697739	
0117	21B972	697390	21B972	0016					90 110 120		All	3300	697739	
0118	21B976	697390	21B972	0016					68 81 88 120		All	3600	697739	
0119	21B977	697390	21B977	0036					23 68 88		All	3200	697739	
0120	21B977	697390	21B977	0036					23 61 110 120		All	3300	697739	
0121	21B906	697390	21B902	0015					23 68 81 120		All	3600	697740	
0122	21B977	697390	21B977	0036					68 88 120		All	3200	697739	
0123	21B977	697390	21B977	0036					23 68 88 120		All	3600	697739	
0124	21B977	697390	21B977	0036			1	494768	81 88 120		All	3600	697739	
0125	21B907	697390	21B907	0026					81 88 120		All	2800	697740	
0126	21B977	697390	21B977	0036					23 110 120		All	3300	697739	
0127	21B977	697390	21B977	0036			1	494768	68 88 110		All	3200	697739	
0128	21B977	697390	21B977	0036					23 68 88 120		All	3200	697739	
0129	21B977	697390	21B977	0036					23 88 120		All	3300	697739	
0130	21B977	697390	21B977	0036					68 88 120		All	3200	697739	
0131	21B907	697390	21B907	0026					23 81 88 120		All	3000	697740	

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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
0132	21B907	697390	21B907	0026					23 81 88 120		All	3000	697740	
0133	21B907	697390	21B907	0026					23 68 88 120		All	3200	697740	
0134	21B907	697390	21B907	0026					23 68 88 120		All	3200	697740	
0135	21B907	697390	21B907	0026			1	494768	68 81 88 120		All	3000	697740	
0136	21B977	697390	21B977	0036					23 68 88 120		All	3200	697739	
0137	21B907	697390	21B907	0029					88 110 120		All	3400	697740	
0138	21B977	697390	21B977	0036					81 88 110 120		All	3600	697739	
0139	21B907	697390	21B907	0029					81 88 110 120		All	2900	697740	
0140	21B907	697390	21B907	0026					88		All	3300	697740	
0141	21B977	697390	21B977	0036					88 110 120		All	3600	697739	
0142	21B972	697390	21B972	0016					90 120		All	3300	697739	
0146	21B977	697390	21B977	0036					61 110 120		All	3300	697739	
0147	21B977	697390	21B977	0036					88 120		All	3300	697739	
0163	21B977	697390	21B977	0036					23 88		All	3300	697739	
0183	21B977	697390	21B977	0036					23 88		All	3300	697739	
0190	21B977	697390	21B977	0036					23 35 81 88		All	2500	697739	