

AIRCRAFT APPLICATION DATA GUIDE

This guide provides a means to identify the applicability of the starters as they may pertain to certain aircraft, rotorcraft, and engines. The data compiled herein is to be used to help identify the specific installation on which the available Hartzell Engine Technologies starters may be applied as they pertain to Lycoming engines. *(See the Aircraft Starter Application Guide for Teledyne Continental Motors for that engine make.)* This application guide is listed in three categories. The aircraft/rotorcraft applications, engine applications, and vendor applications. The aircraft/rotorcraft are listed alphabetically by manufacturer and model designation followed by the engine applications and then the vendor data. The vendor listing is basically a cross reference by engine model series.

CAUTION:

Hartzell Engine Technologies has identified the potential applications of its starters in this guide. Not all aircraft, rotorcraft, or engines that currently exist or may have existed are listed in this application guide. While these starters are direct replacements for existing starter installations, unforeseen changes or modifications in an aircraft/rotorcraft or engine may necessitate modification to structure or may not allow installation. If you can not determine or if any difficulty occurs in installation, the applicable manufacturer of your aircraft/rotorcraft or engine must be contacted.

General

Model Identification (E-Drive series)

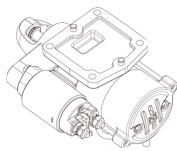


Figure 1

ERB-8011 (24 Volt - 12/14 pitch gear) 9T	ERB-8012 (24 Volt - 10/12 pitch gear) 9T
ERZ-8011 (12 Volt - 12/14 pitch gear) 9T	ERZ-8012 (12 Volt - 10/12 pitch gear) 9T

Solenoid to the Left: (X-Drive series: see figure 1)

SRB-9021 (24 Volt - 12/14 pitch gear) 9T	SRB-9022 (24 Volt - 10/12 pitch gear) 9T
SRZ-9021 (12 Volt - 12/14 pitch gear) 9T	SRZ-9022 (12 Volt - 10/12 pitch gear) 9T

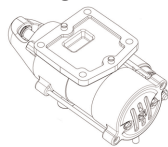


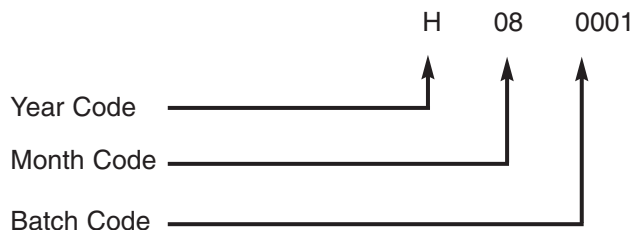
Figure 2

Solenoid to the Right: (X-Drive series: see figure 2)

SRB-9031 (24 Volt - 12/14 pitch gear) 9T	SRB-9032 (24 Volt - 10/12 pitch gear) 9T
SRZ-9031 (12 Volt - 12/14 pitch gear) 9T	SRZ-9032 (12 Volt - 10/12 pitch gear) 9T

(12/14 pitch works on a 149 tooth ring gear & 10/12 pitch works on a 122 tooth ring gear.)

Serial number Identification



Example above: 2007, August, first unit of the month (batch)

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**AIRCRAFT STARTER
APPLICATION GUIDE
(LYCOMING ENGINES)**

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AIRCRAFT APPLICATION DATA

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
A.M.F.					
MUSHSHAK	17-D	IO-540-V4A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
AERO BOREO					
	AB-115 BS	AEIO-540-8544	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	AB-180 RV & RVR	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
AERO COMMANDER					
LARK	180	O-360-A2F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
SHRIKE	500 U, S	IO-540-E1B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
AERO FAB/LAKE					
	L4	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
BUCKANEER	LA-4-200	IO-360-A1B	MZ-4222	MZ-6222	N/A SRZ-9021
RENEGADE	LA250	IO-540-C4B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
RENEGADE, TURBO	LA250	TIO-540-AA1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
AERO MERCANTIL					
	ALL MODELS	O-360-A1A	MHB-4018	MHB-6018	ERB-8011 SRB-9021
AEROSTAR					
	600	IO-540-K1F5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
AMERICAN BLIMP					
	ALL MODELS	IO-360-B1G6	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011 SRB-9021 SRZ-9021
AMERICAN CHAMPION (CHAMPION)					
CITABRIA	7GCBC, 7GCAA	O-320-B2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
CITABRIA	7ECA	O-235-C1	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
CITABRIA	7ECA	O-235-K2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
CITABRIA	7KCAB	O-235-K2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
AVIAT					
	HUSKEY	O-360-A1P	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021



**AIRCRAFT
APPLICATION DATA (CONT'D)**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
BEAGLE					
AIRDALE	D5-160	O-320-B2B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
PUP	200	IO-360-A1C	MHB-4016	MHB-6016	N/A SRB-9021
	150	O-320-A2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
BEECHCRAFT - SINGLE ENGINE SERIES					
MUSKETEER	A23	O-320-D2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	23A	IO-320-A4K	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	B23B	IO-320-A2G	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	B23-19	O-320-A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
MUSKETEER III	M 23	O-360-E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
SPORT	B19	O-320-E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
SUNDOWNER	C-23	O-360-A4G	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	C-23	O-360-A4J	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	C-23	O-360-A4K	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	C-23	O-360-A4K	MHB-4016	MHB-6016	ERB-8011 SRB-9031
SIERRA	C-24R	IO-360-A1B6	MZ-4222	MZ-6222	N/A SRZ-9021
	C-24R	IO-360-A1B6	MHB-4016	MHB-6016	N/A SRB-9021
SKIPPER	77	O-235-L2C	MMU-4001	MMU-6001	ERB-8012 SRB-9022
BEECHCRAFT - TWIN ENGINE SERIES					
DUCHESS	76	O-360-A1G6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		LO-360-A1G6D	MZ-4220	MZ-6220	N/A N/A
	76	O-360-A1G6D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
		LO-360-A1G6D	MZ-4014	MZ-6014	N/A N/A
DUKE	60, A60, B60 81' - Up	TIO-541-E1A4	MHB-4017		ERB-8011 SRB-9021
		TIO-541-G1AD	MHB-4017		ERB-8011 SRB-9021
TRAVEL AIR	A95, B95 D95A, E95	O-360-A1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
		IO-360-B1B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
BELLANCA					
CHAMPION	8KCAB-180	AEIO-360-H1A	MZ-4222	MZ-6222	N/A SRZ-9021
	8GCAB	AEIO-320-E2B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	8KCBC	O--360-2E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
SUPERVIKING	300A	IO-540-K1E5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
BOLKOW					
	207	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
BRANTLY					
	B2	VO-360	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	B2B	IVO-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021



**AIRCRAFT
APPLICATION DATA (CONT'D)**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
BRITTEN NORMAN					
	BN-2	O-540-E4B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	BN-2A	IO-540-K1B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	BN-2A & B	O-540-E4C5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
CESSNA - SINGLE ENGINE SERIES					
CARDINAL	152, F152	O-235-L2C	MMU-4001	MMU-6001	ERB-8012 SRB-9032
	177	O-320-D3G	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	177	IO-360-A1B6	MZ-4222	MZ-6222	N/A SRZ-9021
	177	O-360-A2F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
CUTLASS RG	177A	O-360-A1F6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	177RG	IO-360-A1B6D	MZ-4222	MZ-6222	N/A SRZ-9021
SKYHAWK	172RG	O-360-F1A6	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	172 I, J, K, L, M	O-320-E2D, D2J	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
SKYLANE	172N	O-320-H2AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	172R, S	IO-360-L2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	182	O-540-J3C5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
STATIONAIR	182S, T	O-540-AB1A5			ERB-8011 SRB-9031
	TR182	O-540-L3C5D			ERB-8011 SRB-9021
	T-182	TIO-540-AK1A			ERB-8011 SRB-9021
	U206H	IO-540-AC1A5			ERB-8011 SRB-9031
CHRISTEN					
PITTS	S1-S	AEIO-360-B4A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
EAGLE II	S-2	AEIO-360-A1D	MZ-4222	MZ-6222	N/A SRZ-9021
PITTS	S-2A	AEIO-360-A1E	MZ-4222	MZ-6222	N/A SRZ-9021
	S-2S	AEIO-540-D4A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
COMMANDER					
COMMANDER	112, 112A	IO-360-C1D6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	TC-112	TO-360-C1A6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	114	IO-540-T4B5		MZ-6222	ERZ-8011 SRZ-9021
	114B	IO-540-T4B5	MHB-6016		ERB-8011 SRB-9021
	114TC	TIO-540-AG1A			ERB-8011 SRB-9021
DARTER	100	O-320-A2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	LARK	180	O-360-A1G6	MZ-4222	MZ-6222
SHRIKE		O-360-A2F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	500	O-540-A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	500B, U, S	IO-540-E1B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
SPARROW	700	TIO-540-R2AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	A9, A9A	O-540	MHB-4016	MHB-6016	ERB-8011 SRB-9021
QUAIL	A9B	IO-540	MHB-4016	MHB-6016	ERB-8011 SRB-9021



**AIRCRAFT
APPLICATION DATA (CONT'D)**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
DEHAVILLAND					
	DH-114	IO-540-K1C5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
DIAMOND					
	DA-40	IO-360-M1A	MHB-4018	ERB-8011	SRB-9021
EAGLE AIRCRAFT					
	ALL MODELS	IO-540-M1B5D	MHB-6016	ERB-8011	SRB-9021
EMBRAER					
IPANEMA	EMB-201	IO-540-K1J5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IPANEMA	EMB-201A	O-540-K1F5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IPANEMA	EMB-400	IO-720-D1B	MHJ-4004	MHB-4016A	
ENSTROM					
SNARK	F28	HIO-360-E1AD	MZ-4225		ERZ-8011 SRZ-9031
	F28A	HIO-360-C1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	F28C	HIO-360-E1BD	MZ-4225		ERZ-8011 N/A
FALCON	F28F	HIO-360-F1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
EXTRA-FLUGZEUGBAU					
	300	AEIO-540-L1B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
F.F.A.					
BRAVO	AS-202	O-320-D2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	AS-202-15	O-320-E2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
BRAVO	AS-202-18A	AEIO-360-B1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
FOUND BROS.					
CENTENNIAL	100	IO-720	MHJ-4004	MHB-4016A	N/A
		IO-540	MHB-4016	MHB-6016	ERB-8011 SRB-9021
FUJI					
	FA-200	O-360-A5AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	FA-200	IO-360-B1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	FA-200	IO-360-B1B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	FA-200-160	O-320-D2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
G.E.M.S.					
	ALL MODELS	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021



**AIRCRAFT
APPLICATION DATA (CONT'D)**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters	
GREAT LAKES						
	ALL MODELS	IO-360-B1F6 IO-360-B1G6	MZ-4222 MZ-4222	MZ-6222 MZ-6222	ERZ-8011 ERZ-8011	SRZ-9021 SRZ-9021
GROB						
	G115	O-320-E1	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
	G115/G115A	O-235-H2C	MZ-4204	MZ-6204	ERZ-8012	SRZ-9022
	G115B/G115C	O-320-D1A	MHB-4016	MHB-6016	ERB-8011	SRB-9021
	G115C2	O-360-A1F6	MHB-4016	MHB-6016	ERB-8011	SRB-9031
ACRO SPORT	G115D	AEIO-360-B1F	MHB-4016	MHB-6016	ERB-8011	SRB-9031
HERON	G115D2	AEIO-320-D1B	MHB-4016	MHB-6016	ERB-8011	SRB-9031
	G120A	AEIO-540-D4D5	MHB-4016	MHB-6016	ERB-8011	SRB-9031
GRUMMAN AMERICAN (AMERICAN GENERAL)						
TRAVELER	AA-5	O-320-E2G	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
CHEETAH	AA-5A	O-320-E2G	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
COUGAR	GA-7	O-320-D1D	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
TIGER	AA-5B	O-360-A4K	MZ-4222	MZ-6222	ERZ-8011	SRZ-9031
TIGER	AG-5B	O-360-A4K	MHB-4016	MHB-6016	ERB-8011	SRB-9021
TRAINER	AA-1C	O-235-L2C	MZ-4204	MZ-6204	ERZ-8012	SRZ-9022
YANKEE	TR-2	O-235-C2C	MZ-4204	MZ-6204	ERZ-8012	SRZ-9022
GYROFLUG						
SPEED CANARD	SC-01B	O-320-D1A	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
HELIO						
	700	TIO-540-J2BD	MHB-4016	MHB-6016	ERB-8011	SRB-9031
	800	IO-720-A1B	MHB-4016A			
CABALLERO		O-540-A	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
TWIN		O-540-A	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
TWIN		O-540-A	MHB-4016	MHB-6016	ERB-8011	SRB-9021
KING ENGINEERING						
ANGEL	ALL MODELS	IO-540-M1C5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
LANCAIR						
KIT	ALL MODELS	IO-360 - -	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
	320	IO-320-D1B	MZ-4222	MZ-6222	ERZ-8011	SRZ-9031
	360	IO-360-M1B	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
360 TURBO	360T	IO-360-F1A	MZ-4222	MZ-6222	ERZ-8011	SRZ-9031



**AIRCRAFT STARTER
APPLICATION GUIDE
(LYCOMING ENGINES)**

**AIRCRAFT
APPLICATION DATA (CONT'D)**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters	
M.B.B. / MONSON						
FLAMINGO	223	IO-360-C1D6	MHB-4018	MHB-6018	ERB-8011 SRB-9021	
MONSUN	B-209	IO-320-D1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
	B-209B	O-320-E1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
MONSON	B-209C	IO-320-D1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
MAULE						
LUNAR ROCKET	M5-180	O-360-C1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
LUNAR ROCKET	M5-180	O-360-C1F	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
LUNAR ROCKET	M5-235	O-540-J1A5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
LUNAR ROCKET	M6-235	O-540-W1A5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
STAR ROCKET	MX-7-235	O-540-B4B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
	MX-7-260	IO-540-V4A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
MOONEY						
EXECUTIVE	M20 SERIES	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
		O-360-A1D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
		O-360-A1D	MHB-4018	MHB-6018	ERB-8011 SRB-9021	
	M20D	O-360-A2D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
	M20E, F	IO-360-A1A		MZ-6222	N/A SRZ-9031	
	M20J	IO-360-A1B6D		MZ-6222	N/A SRZ-9021	
	M20I	IO-360-A1B6D		MZ-6222	N/A SRZ-9021	
		IO-360-A1B6D	MHB-4018	MHB-6018	N/A SRB-9021	
	TLS	M20M	TIO-540-AF1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	MOROVAN					
ZLIN	50L	AEIO-540-D4B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
ZLIN	50L	AEIO-540-L1B5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
ZLIN	Z143L	O-540-J3A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
ZLIN	Z242L	AEIO-360-A1B6	MHB-4016	MHB-6016	N/A SRB-9021	
MUDRY						
	CAP-10	AEIO-360-B2F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
	CAP-20LS & 21	AEIO-360-A1B	MZ-4222	MZ-6222	N/A SRZ-9021	
	CAP-230	AEIO-540-L1B5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
NEIVA						
UNIVERSAL	1PD 6201	IO-540-K1D	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
PACIFIC AEROSPACE						
AIRTRAINER	CT4-E	AEIO-540-L1B5	MHB-4016	MHB-6016	ERB-8011 SRB-9031	
FLETCHER	FU-24-954	IO-720-A1B	MHB-4016A			



AIRCRAFT ENGINE APPLICATION DATA

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
PARTENAVIA					
	P-64B	O-360-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
OSCAR	P-66	O-235-C1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
OSCAR	P-66B	O-320-E2A	MHB-4018	MHB-6018	ERB-8011 SRB-9021
	P-66C	O-320-H2AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
OBSERVER	P-68 SERIES	IO-360-A1B6	MHB-4016	MHB-6016	N/A SRB-9021
	P-68B	IO-360-A1B	MHB-4016	MHB-6016	N/A SRB-9021
	P-68C-TC	TO-360-C1A6D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
PIPER AIRCRAFT - SINGLE ENGINE SERIES					
SUPER CRUISER	PA-12-105	O-235-C1	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
CUB / COLT	PA-18-108	O-235-C1B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9032
SUPER CUB	PA-18-150	O-320-A2B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9032
TRI-PACER	PA-22-108	O-235-C1B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
TRI-PACER	PA-22	O-320-E3D	MZ-4204	MZ-6204	ERZ-8012 SRZ-9032
TRI-PACER	PA-22-160	O-320-B2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9032
COMANCHE	PA-24-180	O-320-B2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	PA-24-250	O-360-A1D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
		O-540-A1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	PA-24-250	O-540-A1C5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		O-540-A1D5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	PA-24-260	IO-540-D4A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
		IO-540-N1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	PA-24-260 TURBO	IO-540-R1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		IO-540-R1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
PAWNEE	PA-25-180	O-360-A1D,	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	PA-25-235	O-540-B2C5,	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	PA-25-260	O-540-G1A5,	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
CHEROKEE	PA-28-140	O-320-E2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9032
	PA-28-150	O-320-A2B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
WARRIOR	PA-28-151	O-320-E3D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	PA-28-160	O-320-B2B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
WARRIOR III	PA-28-161	O-320-D2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
		O-320-D3G	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	PA-28-161	O-320-D3G	MHB-4016	MHB-6016	ERB-8011 SRB-9021
CHEROKEE	PA-28-180	O-360-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
CHALLENGER	PA-28-180	O-360-A4A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
ARROW	PA-28R-180	IO-360-B1E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
ARCHER	PA-28-181	O-360-A4M	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
ARCHER III	PA-28-181	O-360-A4M	MHB-4016	MHB-6016	ERB-8011 SRB-9031
ARROW	PA-28R-200	IO-360-C1C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	PA-28R-200	IO-360-C1C6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
ARROW III	PA-28R-201	IO-360-C1C6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
CHEROKEE	PA-28-235	O-540-B2B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	PA-28-235	O-540-B4B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021



**AIRCRAFT STARTER
APPLICATION GUIDE
(LYCOMING ENGINES)**

**AIRCRAFT ENGINE
APPLICATION DATA**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters	
PIPER AIRCRAFT - SINGLE ENGINE SERIES (Cont'd)						
DAKOTA	PA-28-236	O-540-J3A5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
CHEROKEE SIX	PA-32-260	O-540-E4B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
	PA-32-300	IO-540-K1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
LANCE	PA-32-300	IO-540-K1A5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
SARATOGA	PA-32-301	IO-540-K1G5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
	PA-32-301	IO-540-K1G5	MHB-4016	MHB-6016	ERB-8011 SRB-9031	
SARATOGA TC	PA-32-301T	TIO-540-AH1A	MHB-4016	MHB-6016	ERB-8011 SRB-9031	
	PA-32R-301T	TIO-540-S1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
LANCE	PA-32R-300	IO-540-K1G5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
	PA-32RT-300	IO-540-K1G5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
LANCE TURBO	PA-32RT-300T	TIO-540-S1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
SARATOGA TURBO	PA-32R-301T	TIO-540-S1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
BRAVE	PA-36 -300	IO-540-K1G5	MHB-4016	MHB-6016	ERB-8011 SRB-9031	
	PA-36 -375	IO-720-D1C	MHB-4016A			
TOMAHAWK	PA-38-112	O-235-L2A	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022	
		O-235-L2C	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022	
MIRAGE	PA-46-350P	TIO-540-AE2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
PIPER AIRCRAFT - TWIN ENGINE SERIES						
APACHE	PA-23-150	O-320-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
		O-320-A3B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
		PA-23-160	O-320-B1A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
			O-320-B3B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
			O-320-B3B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
PA-23-235	O-540-B1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021		
AZTEC	PA-23-250	IO-540-C4B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
		IO-540-C4B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
		IO-540-J4A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
		IO-540-J4A5	MHB-4016	MHB-6016	ERB-8011 SRB-9031	
		TIO-540-C1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021	
AZTEC TURBO		TIO-540-C1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
		IO-320-B1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
TWIN COMANCHE COMANCHE CR	PA-30-160	IO-320-C1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031	
	PA-39	LIO-320-C1A	MZ-4220	MZ-6220	N/A	
NAVAJO	PA-31-300	IO-540-M1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
	PA-31-310	TIO-540-A2B	MHB-4018	MHB-6018	ERB-8011 SRB-9031	
NAVAJO-CR		PA-31-325	TIO-540-A2C	MHB-4018	MHB-6018	ERB-8011 SRB-9031
		TIO-540-F2BD	MHB-4018	MHB-6018	ERB-8011 SRB-9031	
CHIEFTAIN		PA-31-350	LTIGO-540-F2BD	MHB-4014	MHB-6014	
	TIO-540-J2B		MHB-4018	MHB-6018	ERB-8011 SRB-9031	
	LTIO-540-J2B		MHB-4014	MHB-6014		
	TIO-540-J2BD		MHB-4018	MHB-6018	ERB-8011 SRB-9031	
	LTIO-540-J2BD		MHB-4014	MHB-6014		
MOJAVE	PA-31P	TIGO-541-E1A	MHB-4016A	N/A		
	PA-31P-350	TIO-540-B2AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021	
		LTIO-540-V2AD	MHB-4014	MHB-6014		



**AIRCRAFT ENGINE
APPLICATION DATA**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
PIPER AIRCRAFT - TWIN ENGINE SERIES (Cont'd)					
SENECA	PA-34-200	IO-360-C1E6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		LIO-360-C1E6	MZ-4220	MZ-6220	N/A
SEMINOLE	PA-44-180	O-360-A1H6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		LTO-360-A1H6	MZ-4220	MZ-6220	N/A
		O-360-E1A6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		LTO-360-E1A6D	MZ-4220	MZ-6220	N/A
TURBO SEMINOLE	PA-44-180T	TO-360-E1A6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
		LTO-360-E1A6D	MZ-4220	MZ-6220	N/A
PIPER AEROSTAR	PA-60-600A	IO-540-K1J5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	PA-60-601	IO-540-P1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	PA-60-601B	IO-540-S1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9031
	PA-60-601P	IO-540-S1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9031
	PA-60-602P	IO-540-AA1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9031
	PA-60-700P	TIO-540-U2B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
		LTIO-540-U2A	MHB-4014		
ROBIN					
DAUPHIN	DR 221	O-235-C2A	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022
	DR 300	O-235-J2A	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022
CADET	DR 300/108	O-235-H2C	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022
PETIT PRINCE	DR 300/140	O-320-E2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	DR 300/18R	O-360-A2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	DR 400	O-235-F2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
DAUPHIN	DR 400/120	O-235-L2A	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022
MAJOR	DR 400/160	O-320-D2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
RALLYE	DR-400/180-180R	O-360-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	DR400/180	IO-360-A1B6	MZ-4222	MZ-6222	N/A SRZ-9021
	HR-100	IO-540-C4B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
ROYALE	HR-100/200	IO-360-A1D6	MZ-4222	MZ-6222	N/A SRZ-9021
AIGLON	R1180	O-360-A3AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
ROBINSON					
	R22B	O-320-B2C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
BETA II	R22B II	O-360-J2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	R44	O-540-F1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	R44 II	IO-540-AE1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
ROCKWELL					
	114	O-540-T4A5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	710	TIGO-541-D1B	MHB-4005	MHB-4016A	
SAAB					
	MFI-15 & MFI-17	IO-360-A1B6	MHB-4016	MHB-6016	N/A SRB-9021



**AIRCRAFT STARTER
APPLICATION GUIDE
(LYCOMING ENGINES)**

**AIRCRAFT ENGINE
APPLICATION DATA**

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
SCHWEIZER (HUGES)					
	269 & 300	HIO-360-D1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	300	HIO-360-D1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	300CB	HO-360-C1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	H-269	HIO-360-A1A	MZ-4222	MZ-6222	N/A SRZ-9021
SIAI MARCHETTI					
	S-205	O-360-A1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
		IO-360-A1B6D	MHB-4016	MHB-6016	N/A SRB-9021
	S-208 & SF-260	O-540-E4A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	SF-260	IO-540-D4A5	MHB-4016	MHB-6016	ERB-8011 SRB-9031
		AEIO-540-D4A5	MHB-4016	MHB-6016	ERB-8011 SRB-9031
SLINGSBY					
FIREFLY	T67	O-320-D1F	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	T67B	O-235-N2A	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022
		O-235-L2A	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022
	T67C	O-320-D2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
FIREFLY 160	T67M	AEIO-320-D2B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
FIREFLY 200		AEIO-360-A1E	MHB-4016	MHB-6016	N/A SRB-9021
FIREFLY 160		AEIO-360-D1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
SOCATA					
RALLYE	180GT and RS	O-360-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
RALLYE 110	MS-885	O-235-L2A	MZ-4204	MZ-6404	ERZ-8012 SRZ-9022
RALLYE 150	MS-892	O-320-E2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
COMMODORE	MS-893	O-360-A2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
RALLYE	MS893A	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
GUERRIER	R-235	O-540-B4B5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TAMPICO	TB-9	O-320-D2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
		O-320-D2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
TOBAGO	TB-10	O-360-A1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
		O-360-A1AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
TRINIDAD	TB-20	IO-540-C4D5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
		IO-540-C4D5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
TRINIDAD TC	TB-21	TIO-540-AB1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TRINIDAD TC	TB-21	TIO-540-AB1AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TOBAGO XL	TB-200	IO-360-A1B6	MHB-4016	MHB-6016	N/A SRB-9021
EPSILON	TB-30	AEIO-540-L1B5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021



AIRCRAFT ENGINE APPLICATION DATA

Model Name	Model Number	Engine Model	Org/OEM Starters	E-Drive Starters	X-Drive Starters
SPORTAVIA					
	RS-180	O-360-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
STODDARD HAMILTON					
	GLASTAR	O-320-D1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
SWEARINGEN AIRCRAFT					
	SX-300	IO-540-L1C5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
TAYLORCRAFT					
	F-21	O-235-L2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
VANS AICRAFT					
	RV-3,4,6,OR 6A	O-320-D1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	RV-6 OR RV-6A	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	RV-6,7or 8	IO-360-M1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
VARGA					
KACHINA	2150A	O-320-A2C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
WASSMER					
	WA-40	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
EUROPA	WA-52	O-360-A1LD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		O-320-D1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
WACO					
METEOR	MK.1	O-540	MHB-4016	MHB-6016	ERB-8011 SRB-9021
WING					
DERRINGER	D-1	IO-320	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
ZENAIR					
KIT	CH 2000	O-235-N2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
ZEPPLIN					
	ALL MODELS	O-360-C1G6	MHB-4016	MHB-6016	ERB-8011 SRB-9031



**AIRCRAFT ENGINE
APPLICATION DATA**

Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING			
O-235-C1	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-C1B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-C1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-235-C1C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-C2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-C2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-F2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MMU-4001	MMU-6001	ERB-8012 SRB-9022
O-235-F2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-235-H2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-J2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-K2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-K2B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-K2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-L2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-L2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MMU-4001	MMU-6001	ERB-8012 SRB-9022
	MMU-4001	MMU-6001	ERB-8012 SRB-9032
O-235-M1	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-N2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-N2C	MMU-4001	MMU-6001	ERB-8012 SRB-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-235-P2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-290-D	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-290-D2	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-290-D2B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-290-D2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
AEIO-320-D1B	MHB-4016	MHB-6016	ERB-8011 SRB-9031
AEIO-320-D2B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
AEIO-320-E1B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
AEIO-320-E2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
AEIO-320-E2B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
AIO-320-B1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
AIO-320-C1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-320-B1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	MHB-4016	MHB-6016	ERB-8011 SRB-9031
IO-320-B1C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-320-C1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
IO-320-D1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-320-D1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING (CONT'D)			
IO-320-E1A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
IO-320-E1B	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
IO-320-E2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
IO-320-E2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
LIO-320-B1A	N/A	N/A	N/A N/A
LIO-320-C1A	MZ-4220	N/A	N/A N/A
O-320-A2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-A2B	MZ-4204	MZ-6204	ERZ-8011 SRZ-9022
	MZ-4204	MZ-6204	ERZ-8011 SRZ-9032
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-A2C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-A2D	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-320-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-A3B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-A3C	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-B1A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-320-B2A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-320-B2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4204	MZ-6204	ERZ-8012 SRZ-9032
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
O-320-B2C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MZ-4224	MZ-6224	ERZ-8011 SRZ-9021
O-320-B3A	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-B3B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
O-320-B3C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-D1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
O-320-D1D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-D1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
O-320-D2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	MZ-4204	MZ-6204	ERZ-8012 SRZ-9022
O-320-D2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-320-D2C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

	Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING (CONT'D)				
	O-320-D2G	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 SRB-9021
	O-320-D2J	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	O-320-D3G	MZ-4222 MZ-4222 MHB-4016	MZ-6222 MZ-6222 MHB-6016	ERZ-8011 ERZ-8011 ERB-8011
	O-320-E1A	MZ-4222	MZ-6222	ERZ-8011
	O-320-E1F	MZ-4222	MZ-6222	ERZ-8011
	O-320-E2A	MZ-4204 MZ-4222 MHB-4018	MZ-6204 MZ-6222 MHB-6018	ERZ-8012 ERZ-8011 ERB-8011
	O-320-E2B	MZ-4204 MZ-4222	MZ-6204 MZ-6222	ERZ-8012 ERZ-8011
	O-320-E2C	MZ-4222	MZ-6222	ERZ-8011
	O-320-E2D	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011
	O-320-E2F	MZ-4222	MZ-6222	ERZ-8011
	O-320-E2G	MZ-4222	MZ-6222	ERZ-8011
	O-320-E2H	MZ-4222	MZ-6222	ERZ-8011
	O-320-E3D	MZ-4204 MZ-4222 MZ-4222	MZ-6204 MZ-6222 MZ-6222	ERZ-8012 ERZ-8011 ERZ-8011
	O-320-E3H	MZ-4204 MZ-4222	MZ-6204 MZ-6222	ERZ-8012 ERZ-8011
	O-320-H2AD	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
	O-340 Series	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
	AEIO-360-A1E	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A ERB-8011
	AEIO-360-B1B	MZ-4222	MZ-6222	ERZ-8011
	AEIO-360-B1F	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
	AEIO-360-B1G6	MZ-4222	MZ-6222	ERZ-8011
	AEIO-360-B2F	MZ-4222	MZ-6222	ERZ-8011
	AEIO-360-B4A	MZ-4222	MZ-6222	ERZ-8011
	AEIO-360-D1B	MZ-4222	MZ-6222	ERZ-8011
	AEIO-360-H1A	MZ-4222	MZ-6222	ERZ-8011
	AIO-360-A1A	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A N/A
	AIO-360-A1B	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A N/A
	AIO-360-B1B	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
	HIO-360-A1A	MZ-4226 MHB-4020	MZ-6226 N/A	N/A SRZ-9021



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING (CONT'D)			
HIO-360-B1A	MZ-4226 MHB-4020	MZ-6226	ERZ-8011 SRZ-9021
HIO-360-C1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
HIO-360-C1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
HIO-360-D1A	MZ-4226 MHB-4020	MZ-6226	ERZ-8011 SRZ-9021
HIO-360-E1AD	MZ-4225		ERB-8011 SRB-9021
HIO-360-E1BD	MZ-4225		ERZ-8011 SRZ-9021
HIO-360-F1AD	MHB-4016 MZ-4225	MHB-6016	ERB-8011 SRB-9021
HO-360-B1A	MZ-4226	MZ-6226	ERZ-8011 SRZ-9021
HO-360-B1B	MZ-4226	MZ-6226	ERZ-8011 SRZ-9021
HO-360-C1A	MZ-4226 MHB-4016	MZ-6226 MHB-6016	ERZ-8011 SRZ-9021
LO-360-A1G6D	MZ-4220 MHB-4014	MZ6220	N/A N/A
LO-360-A1H6	MZ-4220	MZ6220	N/A N/A
LO-360-E1A6D	MZ-4220	MZ6220	N/A N/A
LTO-360-E1A6D	MZ-4220	MZ6220	N/A N/A
LIO-360-C1E6	MZ-4220	MZ6220	N/A N/A
IO-360-A1A	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A SRZ-9031
IO-360-A1B	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A SRB-9031
IO-360-A1B6	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A SRZ-9021
IO-360-A1B6D	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A SRB-9021
IO-360-A1C	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A SRZ-9021
IO-360-A1D	MZ-4222	MZ-6222	N/A SRZ-9021
IO-360-A1D6	MZ-4222	MZ-6222	N/A SRZ-9021
IO-360-A2A	MZ-4222	MZ-6222	N/A SRZ-9021
IO-360-A2B	MZ-4222	MZ-6222	N/A SRZ-9021
IO-360-A3A	MZ-4222	MZ-6222	N/A SRZ-9021
IO-360-A3B6D	MZ-4222 MHB-4016	MZ-6222 MHB-6016	N/A ERB-8011
IO-360-B1B	MZ-4222 MHB-4016	MZ-6222 MHB-6016	SRB-9021 ERZ-8011
IO-360-B1D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-360-B1E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
IO-360-B1F	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 SRZ-9021
IO-360-B1F6	MZ-4222	MZ-6222	ERB-8011 SRB-9021
IO-360-B1G6	N/A		ERZ-8011 SRZ-9021
	N/A		ERB-8011 SRB-9021



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

	Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING (CONT'D)				
	IO-360-B2F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	IO-360-B2F6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	IO-360-B4A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	IO-360-C1A	MHB-4016	MZ-6016	ERZ-8011 SRB-9021
	IO-360-C1B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MHB-4016	MHB-6016	ERB-8011 SRB-9021
	IO-360-C1C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	IO-360-C1C6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	IO-360-C1D6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MHB-4016	MHB-6016	ERB-8011 SRB-9021
	IO-360-C1E6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	IO-360-C1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	IO-360-C1G6	N/A	N/A	ERB-8011 SRB-9031
	IO-360-F1A	N/A	N/A	ERZ-8011 SRZ-9031
	IO-360-L2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	IO-360-M1A	N/A	N/A	ERB-8011 SRB-9021
	IO-360-M1B	N/A	N/A	ERB-8011 SRZ-9021
	IO-360-J1A6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A1A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MHB-4016	MHB-6016	ERB-8011 SRB-9021
	O-360-A1AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MHB-4016	MHB-6016	ERB-8011 SRB-9021
	O-360-A1C	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A1D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
		MHB-4016	MHB-6016	ERB-8011 SRB-9021
	O-360-A1F6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
		MHB-4016	MHB-6016	ERB-8011 SRB-9031
	O-360-A1F6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A1G6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A1G6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MHB-4016	MHB-6016	ERB-8011 SRB-9021
	O-360-A1H6	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A1LD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A1P	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A2D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A2E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A2F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A2G	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A3A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
		MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	O-360-A3AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	O-360-A4A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
	O-360-A4G	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING (CONT'D)			
O-360-A4J	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
O-360-A4K	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
O-360-A4M	MHB-4016	MHB-6016	ERB-8011 SRB-9031
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
O-360-A4N	MHB-4016	MHB-6016	ERB-8011 SRB-9031
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-A5AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-B2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-B2C	MHB-4016	MHB-6016	ERB-8011 SRB-9021
O-360-C1A	MZ-4226	MZ-6226	ERZ-8011 SRZ-9021
O-360-C1C	MHB-4016	MZ-6016	ERB-8011 SRB-9021
	MZ-4226	MZ-6226	ERZ-8011 SRZ-9021
O-360-C1E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-C1F	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
O-360-C1G	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-C2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-C2C	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-C2D	MZ-4226	MZ-6226	ERZ-8011 SRZ-9021
O-360-C2E	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-D2A	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
O-360-D2B	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-E1A6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
O-360-F1A6	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-360-A1B	MHB-4016	MHB-6016	N/A SRB-9021
TIO-360-C1A6D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TO-360-C1A6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TO-360-E1A6D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
AEIO-540-8544	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
AEIO-540-D4A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
AEIO-540-D4B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
AEIO-540-D4D5	N/A	N/A	ERB-8011 SRB-9031
AEIO-540-L1B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9031
AEIO-540-L1B5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-AA1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9031
IO-540-AA1B5	N/A	N/A	ERB-8011 SRB-9031
IO-540-AB1A5	N/A	N/A	ERB-8011 SRB-9021
IO-540-AC1A5	N/A	N/A	ERB-8011 SRB-9031
IO-540-AE1A5	N/A	N/A	ERZ-8011 SRZ-9021



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING (CONT'D)			
IO-540-A1A5	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 SRZ-9021
IO-540-B1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-B1C5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-C1B5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-C4B5	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
IO-540-C4C5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-C4D5D	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
IO-540-D4A5	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
IO-540-E1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-E1B5	MZ-4222 MHB-4016	MZ-6222 MHB-6016	ERZ-8011 ERB-8011
IO-540-G1A5	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011
IO-540-G1B5	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011
IO-540-G1C5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-G1D5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-G1E5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-G1F5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-J4A5	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011
IO-540-K1A5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
IO-540-K1A5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-K1B5	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011
IO-540-K1C5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-K1D5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-K1E5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-K1F5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-K1F5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-K1G5	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011
IO-540-K1G5D	MZ-4222	MZ-6222	ERZ-8011 SRZ-9031
IO-540-K1H5	MHB-4016 MZ-4222	MHB-6016 MZ-6222	ERB-8011 ERZ-8011
IO-540-K1J5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-K1J5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-K1K5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-L1B5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-L1C5	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
IO-540-M1A5	MHB-4016	MHB-6016	ERB-8011 SRB-9021
IO-540-M1B5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
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TEXTRON LYCOMING (CONT'D)

IO-540-M1C5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-N1A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-P1A5	MHB-4016	MHB-6016	ERB-8011	SRB-9021
IO-540-R1A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-S1A5	MHB-4016	MHB-6016	ERB-8011	SRB-9031
IO-540-T4A5D	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-T4B5	MHB-4016	MZ-6016	ERB-8011	SRB-9021
	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-T4B5D	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-T4C5D	MHB-4016	MHB-6016	ERB-8011	SRB-9021
IO-540-V4A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
	MHB-4016	MHB-6016	ERB-8011	SRB-9021
IO-540-W1A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-W1A5D	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
IO-540-W3A5D	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-A1A	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-A1A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-A1B5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-A1C5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-A1D	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-A1D5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9031
O-540-A2B	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-A3D5	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-B1A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-B1B5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-B2B5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9031
O-540-B2C5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-B4B5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-E4A5	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-E4B5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9031
	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-E4C5	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-F1A5	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-F1B5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-G1A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-G2A5	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-H1B5D	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-H2B5D	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-J1A5D	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-J3A5	MHB-4016	MHB-6016	ERB-8011	SRB-9021
O-540-J3A5D	MZ-4222	MZ-6222	ERZ-8011	SRZ-9021
O-540-J3C5D	MHB-4016	MHB-6016	ERB-8011	SRB-9021



**AIRCRAFT ENGINE
APPLICATION DATA (CONT'D)**

Engine Models	Org/OEM Starters	E-Drive Starters	X-Drive Starters
TEXTRON LYCOMING (CONT'D)			
O-540-L3C5D	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-A1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-A1B	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-A2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-A2B	MHB-4016	MHB-6016	ERB-8011 SRB-9031
TIO-540-A2C	MHB-4016	MHB-6016	ERB-8011 SRB-9031
	MHB-4018	MHB-6018	ERB-8011 SRB-9031
TIO-540-AA1AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-AB1AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
TIO-540-AE2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-AF1A	N/A	N/A	ERB-8011 SRB-9021
TIO-540-AF1B	N/A	N/A	ERB-8011 SRB-9021
TIO-540-AG1A	N/A	N/A	ERB-8011 SRB-9021
TIO-540-AH1A	N/A	N/A	ERB-8011 SRB-9031
TIO-540-AJ1A	N/A	N/A	ERB-8011 SRB-9031
TIO-540-AK1A	N/A	N/A	ERB-8011 SRB-9021
TIO-540-C1A	MZ-4222	MZ-6222	ERB-8011 SRZ-9021
	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-E1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-F2BD	MHB-4018	MHB-6018	ERB-8011 SRB-9031
TIO-540-G1A	MZ-4222	MZ-6222	ERB-8011 SRZ-9021
TIO-540-H1A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-J2B	MHB-4018	MHB-6018	ERB-8011 SRB-9031
TIO-540-J2BD	MHB-4018	MHB-6018	ERB-8011 SRB-9031
TIO-540-N2BD	MHB-4018	MHB-6018	ERB-8011 SRB-9031
TIO-540-R2AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
	MHB-4018	MHB-6018	ERB-8011 SRB-9021
TIO-540-S1AD	MZ-4222	MZ-6222	ERZ-8011 SRZ-9021
	MHB-4018	MHB-6018	ERB-8011 SRB-9021
TIO-540-U2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-V2AD	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIO-540-W2A	MHB-4016	MHB-6016	ERB-8011 SRB-9021
TIGO-541-E1A	MHB-4005	MHB-4016A	N/A N/A
TIO-541-E1A4	MHB-4017	N/A	ERB-8011 SRB-9021
TIO-541-E1B4	MHB-4017	N/A	ERB-8011 SRB-9021
TIO-541-E1C4	MHB-4017	N/A	ERB-8011 SRB-9021
	MHB-4016A	N/A	N/A N/A
LTIO-540-F2BD	MHB-4014	MHB-6014	N/A N/A
LTIO-540-J2B	MHB-4014	MHB-6014	N/A N/A
LTIO-540-J2BD	MHB-4014	MHB-6014	N/A N/A
LTIO-540-U2A	MHB-4014	MHB-6014	N/A N/A
LTIO-540-V2AD	MHB-4014	MHB-6014	N/A N/A



LYCOMING PART NUMBER CROSS REFERENCE DATA

Lycoming Model Number	KAPS Model Number	Engine Series	E-Drive Starters	X-Drive Starters
76211	MZ-4206	235	ERZ-8011	SRZ-9021
LW-14207	MZ-4218	235	ERZ-8011	SRZ-9021*
LW-15571	MZ-4222	235	ERZ-8011	SRZ-9021*
LW-15483	MHB-4015	235	ERB-8012	SRB-9022
LW-16207	MMU-4001	235	ERB-8012	SRB-9022*
31A22470	MZ-6222	235	ERZ-8011	SRZ-9021*
31A22472	MZ-6204	235	ERZ-8012	SRZ-9022*
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76211	MZ-4206	290	ERZ-8011	SRZ-9021
LW-14207	MZ-4218	290	ERZ-8011	SRZ-9021*
LW-15571	MZ-4222	290	ERZ-8011	SRZ-9021*
31A22470	MZ-6222	290	ERZ-8011	SRZ-9021*
31A22472	MZ-6204	290	ERZ-8012	SRZ-9022*
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76211	MZ-4206	320	ERZ-8011	SRZ-9021
LW-14207	MZ-4218	320	ERZ-8011	SRZ-9021*
LW-15571	MZ-4222	320	ERZ-8011	SRZ-9021*
LW-16460	MZ-4224	320	ERZ-8011	SRZ-9021*
76212	MHB-4001	320	ERB-8011	SRB-9021*
LW-14208	MHB-4010	320	ERB-8011	SRB-9021*
LW-15572	MHB-4016	320	ERB-8011	SRB-9021*
31A22470	MZ-6222	320	ERZ-8011	SRZ-9021*
31A22471	MZ-6224	320	ERZ-8011	SRZ-9021*
31A22472	MZ-6204	320	ERZ-8012	SRZ-9022*
31B22475	MMU-6001	320	ERB-8012	SRB-9022*
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76211	MZ-4206	340	ERZ-8011	SRZ-9021
76212	MHB-4001	340	ERB-8011	SRB-9021*
LW-14207	MZ-4218	340	ERZ-8011	SRZ-9021*
LW-14208	MHB-4010	340	ERB-8011	SRB-9021*
LW-15571	MZ-4222	340	ERZ-8011	SRZ-9021*
LW-15572	MHB-4016	340	ERB-8011	SRB-9021*
31A22470	MZ-6222	340	ERZ-8011	SRZ-9021*
31B22475	MMU-6001	340	ERB-8012	SRB-9022*
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76211	MZ-4206	360	ERZ-8011	SRZ-9021
76212	MHB-4001	360	ERB-8011	SRB-9021*
76213	MZ-4205	360	ERB-8011	SRZ-9021
76214	MHB-4003	360	ERB-8011	SRB-9021
LW-14207	MZ-4218	360	ERZ-8011	SRZ-9021*
LW-14208	MHB-4010	360	ERB-8011	SRB-9021*
LW-14209	MZ-4217	360	ERB-8011	SRZ-9021
LW-14210	MHB-4012	360	ERB-8011	SRB-9021
LW-15571	MZ-4222	360	ERZ-8011	SRZ-9021*
LW-15572	MHB-4016	360	ERB-8011	SRB-9021*

* May use right or left hand solenoid, check specific engine/aircraft application.



**LYCOMING PART NUMBER
CROSS REFERENCE DATA**

Lycoming Model Number	KAPS Model Number	Engine Series	E-Drive Starters	X-Drive Starters
LW-15574	MHB-4019	360	ERB-8011	SRB-9021
LW-18047	MZ-4225	360	ERZ-8011	SRZ-9031*
LW-18989	MZ-4226	360	ERZ-8011	SRZ-9021
LW-18990	MHB-4020	360	ERB-8011	SRB-9021
31A22470	MZ-6222	360	ERZ-8011	SRZ-9021*
31B22475	MMU-6001	360	ERB-8012	SRB-9022*
31B22476	MHB-6018	360	ERB-8011	SRB-9021*
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76211	MZ-4206	540	ERZ-8011	SRZ-9021
76212	MHB-4001	540	ERB-8011	SRB-9021*
LW-11936	MHB-4007	540	ERB-8011	SRB-9021*
LW-14207	MZ-4218	540	ERZ-8011	SRZ-9021*
LW-14208	MHB-4010	540	ERB-8011	SRB-9021*
LW-14213	MHB-4013	540	ERB-8011	SRB-9021*
LW-15572	MHB-4016	540	ERB-8011	SRB-9021*
LW-15577	MHB-4018	540	ERB-8011	SRB-9021*
LW-15571	MZ-4222	540	ERZ-8011	SRZ-9021*
31A22470	MZ-6222	540	ERZ-8011	SRZ-9021*
31B22475	MMU-6001	540	ERB-8012	SRB-9022*
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78791	MHB-4005	TGIO-541	MHB-4016A	
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75699	MZ-4207	TIO-541-A	ERZ-8011	SRZ-9021
LW-14211	MZ-4219	TIO-541-A	ERZ-8011	SRZ-9021
LW-15575	MZ-4223	TIO-541-A	ERZ-8011	SRZ-9021
75700	MHB-4002	TIO-541-E	ERB-8011	SRB-9021
LW-14212	MHB-4011	TIO-541-E	ERB-8011	SRB-9021
LW-15576	MHB-4017	TIO-541-E	ERB-8011	SRB-9021

* May use right or left hand solenoid, check specific engine/aircraft application.



**VENDOR NUMBER
CROSS REFERENCE DATA**

Lycoming Model No.	Sky-Tec Model No.	Lamar Model No.	Engine Series	E-Drive Starters	X-Drive Starters	
31A21198	149-12PM	or 149-NL		235	ERZ-8011	SRZ-9031
31A21198	149-12LS	or 149-NL		235	ERZ-8011	SRZ-9021
31A21210	122-12PM	or 122-NL	PM1203	235	ERZ-8012	SRZ-9032
31A21210	122-12LS	or 122-NL		235	ERZ-8012	SRZ-9022
31A22100	149-12PM	or 149-NL		235	ERZ-8011	SRZ-9031
31A22102	122-12PM	or 122-NL		235	ERZ-8012	SRZ-9032
31A22104	149-12LS	or 149-NL		235	ERZ-8011	SRZ-9021
31A22106	122-12LS	or 122-NL		235	ERZ-8012	SRZ-9022
31A22110	149-12HT			235	N/A	N/A
31A22112	122-12HT			235	N/A	N/A
31A22361		122-NL	PM1203	235	ERZ-8012	SRZ-9032*
31B21064	149-24PM	or 149-NL		235	ERB-8011	SRB-9031
31B21064	149-24LS	or 149-NL		235	ERB-8011	SRB-9021
31B21211	122-24PM	or 122-NL	PM2403	235	ERB-8012	SRB-9032
31B21211	122-24LS	or 122-NL		235	ERB-8012	SRB-9022
31B22101	149-24PM	or 149-NL		235	ERB-8011	SRB-9031
31B22103	122-24PM	or 122-NL		235	ERB-8012	SRB-9032
31B22105	149-24LS	or 149-NL		235	ERB-8011	SRB-9021
31B22107	122-24LS	or 122-NL		235	ERB-8012	SRB-9022
31B22111	149-24HT			235	ERB-8011	SRB-9021
31B22113	122-24HT			235	N/A	N/A
31B22362			PM2403	235	ERB-8012	SRB-9032*
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31A21198	149-12PM	or 149-NL	PM1204	320	ERZ-8011	SRZ-9031
31A21198	149-12LS	or 149-NL		320	ERZ-8011	SRZ-9021
31A21210	122-12PM	or 122-NL	PM1203	320	ERZ-8012	SRZ-9032
31A21210	122-12LS	or 122-NL		320	ERZ-8012	SRZ-9022
31A22100	149-12PM	or 149-NL		320	ERZ-8011	SRZ-9031
31A22100	149-12LS	or 149-NL		320	ERZ-8011	SRZ-9021
31A22102	122-12PM	or 122-NL		320	ERZ-8012	SRZ-9032
31A22106	122-12LS	or 122-NL		320	ERZ-8012	SRZ-9022
31A22110	149-12HT			320	N/A	N/A
31A22112	122-12HT			320	N/A	N/A
31A22206		149-NL	PM1201	320	ERZ-8011	SRZ-9031*
31A22361		122-NL	PM1203	320	ERZ-8012	SRZ-9032*
31B21064	149-24PM	or 149-NL	PM2401	320	ERB-8011	SRB-9031
31B21064	149-24LS	or 149-NL		320	ERB-8011	SRB-9021
31B21211	122-24PM	or 122-NL	PM2403	320	ERB-8012	SRB-9032
31B21211	122-24LS	or 122-NL		320	ERB-8012	SRB-9022
31B22101	149-24PM	or 149-NL		320	ERB-8011	SRB-9031
31B22103	122-24PM	or 122-NL		320	ERB-8012	SRB-9032
31B22105	149-24LS	or 149-NL		320	ERB-8011	SRB-9021
31B22107	122-24LS	or 122-NL		320	ERB-8012	SRB-9022
31B22111	149-24HT			320	ERB-8011	SRB-9021

* May use right or left hand solenoid, check specific engine/aircraft application.



**AIRCRAFT STARTER
APPLICATION GUIDE
(LYCOMING ENGINES)**

**VENDOR NUMBER
CROSS REFERENCE DATA**

Lycoming Model No.	Sky-Tec Model No.	Lamar Model No.	Engine Series	E-Drive Starters	X-Drive Starters	
31B22113	122-24HT		320	N/A	N/A	
31B22207		149-NL	PM2401	320	ERB-8011	SRB-9031*
31B22362		122-NL	PM2403	320	ERB-8012	SRB-9032*
31B22552		149-NL	PM1204	320	ERZ-8011	SRZ-9021*
31A21198	149-12PM or 149-NL	PM1201	360	ERZ-8011	SRZ-9031	
31A21198	149-12LS or 149-NL	PM1204	360	ERZ-8011	SRZ-9021	
31A21210	122-12PM or 122-NL		360	ERZ-8012	SRZ-9032	
31A21210	122-12LS or 122-NL		360	ERZ-8012	SRZ-9022	
31A22100	149-12PM or 149-NL		360	ERZ-8011	SRZ-9031	
31A22100	149-12LS or 149-NL		360	ERZ-8011	SRZ-9021	
31A22102	122-12PM or 122-NL		360	ERZ-8012	SRZ-9032	
31A22106	122-12LS or 122-NL		360	ERZ-8012	SRZ-9022	
31A22110	149-12HT		360	N/A	N/A	
31A22112	122-12HT		360	N/A	N/A	
31A22206		PM1201	360	ERZ-8011	SRZ-9031*	
31B22103	122-24PM or 122-NL		360	ERB-8012	SRB-9032	
31B22107	122-24LS or 122-NL		360	ERB-8012	SRB-9022	
31B22113	122-24HT		360	N/A	N/A	
31B21211	122-24PM or 122-NL		360	ERB-8012	SRB-9032	
31B21211	122-24LS or 122-NL		360	ERB-8012	SRB-9022	
31B21064	149-24PM or 149-NL	PM2401	360	ERB-8011	SRB-9031	
31B21064	149-24LS or 149-NL		360	ERB-8011	SRB-9021	
31B22101	149-24PM or 149-NL		360	ERB-8011	SRB-9031	
31B22105	149-24LS or 149-NL		360	ERB-8011	SRB-9021	
31B22111	149-24HT		360	ERB-8011	SRB-9021	
31B22207		PM2401	360	ERB-8011	SRB-9031*	
31B22552		PM1204	360	ERB-8011	SRZ-9031*	
31A21198	149-12PM or 149-NL	PM1201	540	ERZ-8011	SRZ-9031	
31A21198	149-12LS or 149-NL	PM1204	540	ERZ-8011	SRZ-9021	
31A21210	122-12PM or 122-NL		540	ERZ-8012	SRZ-9032	
31A21210	122-12LS or 122-NL		540	ERZ-8012	SRZ-9022	
31B21064	149-24PM or 149-NL	PM2401	540	ERB-8011	SRB-9031	
31B21064	149-24LS or 149-NL		540	ERB-8011	SRB-9021	
31B21211	122-24PM or 122-NL		540	ERB-8012	SRB-9032	
31A22100	149-12PM or 149-NL		540	ERZ-8011	SRZ-9031	
31A22100	149-12LS or 149-NL		540	ERZ-8011	SRZ-9021	
31A22102	122-12PM or 122-NL		540	ERZ-8012	SRZ-9032	
31A22106	122-12LS or 122-NL		540	ERZ-8012	SRZ-9022	
31A22110	149-12HT		540	N/A	N/A	
31A22112	122-12HT		540	N/A	N/A	
31A22206		PM1201	540	ERZ-8011	SRZ-9031*	
31B21211	122-24LS or 122-NL		540	ERB-8012	SRB-9022	

* May use right or left hand solenoid, check specific engine/aircraft application.



**VENDOR NUMBER
CROSS REFERENCE DATA**

Lycoming Model No.	Sky-Tec Model No.	Lamar Model No.	Engine Series	E-Drive Starters	X-Drive Starters	
31B22101	149-24PM or	149-NL	540	ERB-8011	SRB-9031	
31B22103	122-24PM or	122-NL	540	ERB-8012	SRB-9032	
31B22105	149-24LS or	149-NL	540	ERB-8011	SRB-9021	
31B22107	122-24LS or	122-NL	540	ERB-8012	SRB-9022	
31B22111	149-24HT or	149-NL	540	ERB-8011	SRB-9021	
31B22113	122-24HT or	122-NL	540	N/A	N/A	
31B22207		149-NL	PM2401	540	ERB-8011	SRB-9031*
31B22552		149-NL	PM1204	540	ERZ-8011	SRZ-9021*
31B22553		149-NLR	PM2404	LTIO-540	N/A	N/A
31B22462		122-NL		720	N/A	N/A

* May use right or left hand solenoid, check specific engine/aircraft application.



**KAPS DIRECT EXCHANGE NUMBER
CROSS REFERENCE**

KAPS Original Model Number	Replacement Model Number
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(24 Volt)

MHB-4001	ERB-8011	SRB-9021	SRB-9031
MHB-4002	ERB-8011	SRB-9021	
MHB-4003	ERB-8011	SRB-9021	
MHB-4007	ERB-8011	SRB-9021	SRB-9031
MHB-4010	ERB-8011	SRB-9021	SRB-9031
MHB-4011	ERB-8011	SRB-9021	
MHB-4012	ERB-8011	SRB-9021	
MHB-4013	ERB-8011	SRB-9021	SRB-9031
MHB-4015	ERB-8012	SRB-9022	
MHB-4016	ERB-8011	SRB-9021	SRB-9031
MHB-4016A	N/A	N/A	
MHB-4017	ERB-8011	SRB-9021	
MHB-4018	ERB-8011	SRB-9021	SRB-9031
MHB-4019	ERB-8011	SRB-9021	
MHB-4020	ERB-8011	SRB-9021	
MMU-4001	ERB-8012	SRB-9022	SRB-9032
MHB-6016	ERB-8011	SRB-9021	SRB-9031
MHB-6018	ERB-8011	SRB-9021	SRB-9031
MMU-6001	ERB-8012	SRB-9022	SRB-9032

(12 Volt)

MZ-4204	ERZ-8012	SRZ-9022	SRZ-9032
MZ-4205	ERZ-8011	SRZ-9021	
MZ-4206	ERZ-8011	SRZ-9021	
MZ-4207	ERZ-8011	SRZ-9021	
MZ-4217	ERZ-8011	SRZ-9021	
MZ-4218	ERZ-8011	SRZ-9021	SRZ-9031
MZ-4219	ERZ-8011	SRZ-9021	
MZ-4222	ERZ-8011	SRZ-9021	SRZ-9031
MZ-4223	ERZ-8011	SRZ-9021	
MZ-4224	ERZ-8011	SRZ-9021	SRZ-9031
MZ-4225	ERZ-8011	SRZ-9021	SRZ-9031
MZ-4226	ERZ-8011	SRZ-9021	
MZ-6204	ERZ-8012	SRZ-9022	SRZ-9032
MZ-6222	ERZ-8011	SRZ-9021	SRZ-9031
MZ-6224	ERZ-8011	SRZ-9021	SRZ-9031
MZ-6226	ERZ-8011	SRZ-9021	