



# Lycoming PM Starters

## Permanent Magnet

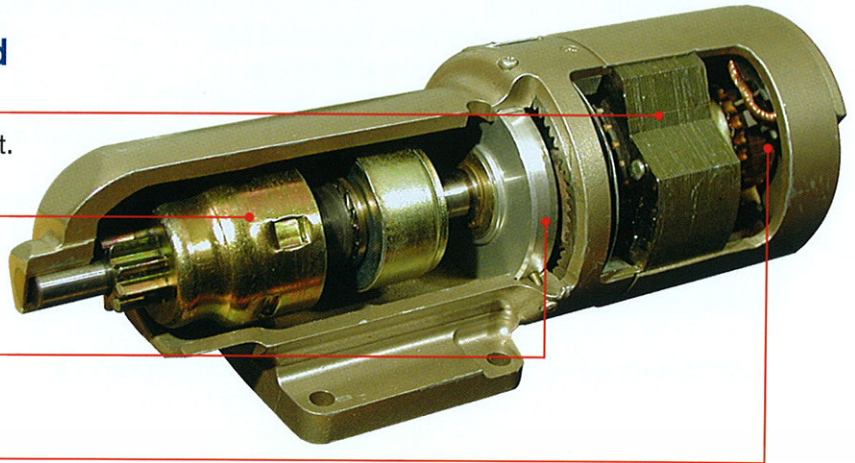
### Engine & Airframe Factory Certified

**Patented Permanent Magnet:** —  
Eliminating field windings to reduce total weight.

**Proprietary Starter Drive:** —  
No cumbersome external solenoid to interfere with installation.

**OEM Spec Planetary Gear Reduction:** —  
For optimum speed and torque.

**Large Armature:** —  
Less current draw and longer battery life than other starters for superior all weather performance.



### Features & Benefits

- FAA/PMA Approved.
- Lycoming PM starter draws low amperage for long battery life.
- Incorporates planetary gear reduction for optimum speed and torque. Cranks at 110 rpm (per OEM spec) with 80+ lbs for resistance.
- Rugged, heavy duty design.
- Patented permanent magnet design to create field. Eliminates windings for increased reliability and reduced weight.
- OEM Certified.
- Factory new & overhauled units available.
- Bench tested under load for quality assurance before shipping.
- Lamar's large size motor is designed to crank hard to start aircraft piston engines. Others use smaller automobile motors designed to start the computerized automobiles of today.
- Superior cold weather performance.

*Designed From  
The Ground Up  
Specifically For  
Aviation!*







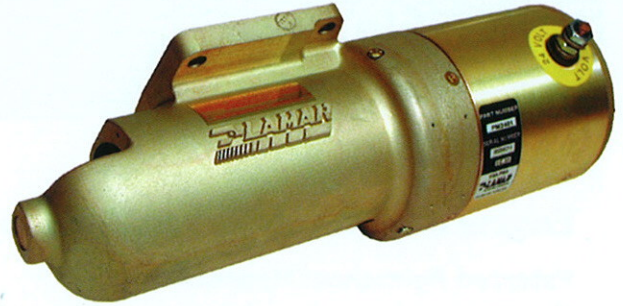
# Lycoming PM Starters

## Permanent Magnet



### Part Number Explanation: PM-XXYY

- PM- Permanent Magnet
- XX - Voltage 12 or 24
- YY = 01 12/24 pinion pitch, threaded lug
- 02 12/24 pinion pitch, drilled lug
- 03 10/24 pinion pitch, threaded lug
- 04 12/24 pinion pitch, left hand rotation, threaded lug



The Lamar Starter is not a direct replacement for all original equipment starters. The table below is a guide to selecting housing configuration, starter drive and rotation of starter.

Airframes equipped with air conditioning may have brackets that will prevent installation.

Installation on some aircraft may require some modification of baffling and/or minor modifications.

### Starter Cross Reference & Interchangeability

Lamar Starters are **FAA/PMA** approved for Lycoming 235 through 540 engines.

LAMAR12V	PRESTOLITE	LYCOMING
PM1203	MZ-4204	76210
PM1201	MZ-4205	76213
PM1201	MZ-4206	76211
- NA -	MZ-4207	75699
- NA -	MZ-4208	75787
PM1204	MZ-4216	LW-10556
PM1201	MZ-4217	LW-14209
PM1201	MZ-4218	LW-14207
- NA -	MZ-4219	LW-14211
PM1204	MZ-4220	LW-14215
PM1201	MZ-4221	LW-15573
PM1201*	MZ-4222	LW-15571
- NA -	MZ-4223	LW-15575
PM1202	MZ-4224	LW-16460
PM1201	MZ-4225	LW-18047
PM1201	MZ-4226	LW-18989

LAMAR24V	PRESTOLITE	LYCOMING
PM2401	MHB-4001	76212
- NA -	MHB-4002	75700
PM2401	MHB-4003	76214
- NA -	MHB-4005	78791
PM2401	MHB-4007	LW-11936
PM2401	MHB-4008	LW-12023
PM2404	MHB-4009	LW-12159
PM2401	MHB-4010	LW-14208
- NA -	MHB-4011	LW-14212
PM2401	MHB-4012	LW-14210
PM2402	MHB-4013	LW-14213
PM2404	MHB-4014	LW-14214
PM2403	MHB-4015	LW-15483
PM2401	MHB-4016	LW-15572
- NA -	MHB-4017	LW-15576
PM2402	MHB-4018	LW-15577
PM2401	MHB-4019	LW-15574
PM2401	MHB-4020	LW-18990
- NA -	MHJ-4004	77879
PM2403	MMU-4001	LW-16207

\* Not for use on Lycoming IO-360A series engines.