

MPI MX9504 / MX9507 / MX9513

Glider Retract, Electric w/built-in servo motor

Maxx Products' electric retractable landing gear for gliders are manufactured to high standards for the discerning modeler. Designed for lightweight, high efficiency and durability these MPI retracts are available in three sizes. Please read the entire operation manual to ensure correct functionality and best performance.

Features:

- **Sturdy one-piece design – no complex linkages to install,**
- **CNC carbon fiber and aluminum frame,**
- **Integrated all metal gear servo,**
- **Built-in over current protection,**
- **Includes tire with aluminum hub,**
- **Compatible with all RX,**
- **Three sizes to fit different classes of sailplanes,**

Specifications:

Operating voltage: 4.8 to 6.0 volts

Operating current: 0.4-0.6 amps

Cycling Speed: 1.2 sec.@ 4.8 V and 1.0 sec. @ 6.0 V

Operating temperature: 25 deg F to 125 deg F, cycling speed will drop with lower temperature.

Part No.	Scale	Tire Size	Weight	Max TOGW	Well Depth	Mounting Hole
		Inch	oz/g	oz/kg	inch	inch/mm
MX9504	1/6	1.75	3.0/85	3.8/1.7	1.8	1.06x3.94/27x100
MX9507	1/5	2.5	5.6/160	7.0/3.2	2.6	1.54x4.80/39x122
MX9513	1/4	3.5	9.5/270	13.2/6.0	3.6	1.77x6.57/45x187

Operation:

1. Cut the cutout to the proper size for your unit.
2. Provide substantial support at the mounting points and flanged area.
3. Select the TX you prefer to use to control the retract.
4. Connect to the corresponding RX channel or servo driver to test operation.
5. Make sure the TX switch is in the OFF mode then apply power to the RX. The servo control will accept this setting as the UP position signal.
6. If you desire the Up/Down position to be reversed. Power down the RX, Place the TX switch in the opposite position then reapply the power to the RX.
7. Check for smooth operation.

Maintenance:

Caution: Due to the unique design requirement of the built-in servo it has a limited operation life that is less than that of standard servos. Although the operation life should be plenty for normal use, abnormal repetitive operation may go beyond the life design of this servo.

There is very little maintenance required on these retracts. Do not use any oil to lubricate. Lubrication is not necessary. Keep the unit as clean as possible. Clean with air if necessary. Do not use liquid cleaners.

Warranty & Service:

These retracts have a one year limited warranty to the original owner and are guaranteed to be free from manufacturing defect within one year of date of purchase. Not covered under warranty is crash damage, worn gears, customer abuse or improper use. Warranty claims should be handled directly with Maxx Products, 815 Oakwood Rd., Unit D, Lake Zurich, IL 60047. Be sure to include information and a description of the problem including the RX and battery being used. Return shipping for repair estimates must be prepaid.

REV: , 04/05/2012

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