

Instruction Manual for:

•Apollo Motor 38V-1150

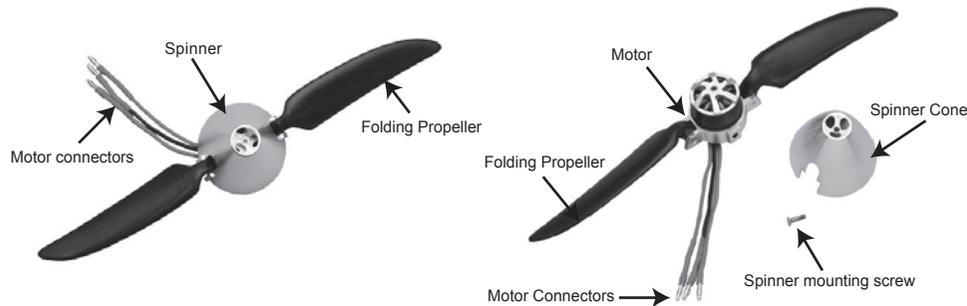
•Apollo Motor 38V-1150 (7x4.5)

Thank you for purchasing Apollo Motor 38V-1150, this product is not meant to be a toy. Please read this manual thoroughly before proceeding to use the motor, to ensure correct and safety usage of the motor so as to prevent serious incidents.

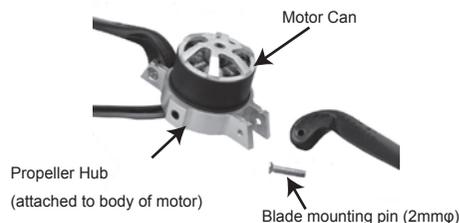
Important Precautions:

- ⊘ Do not use 13V (Lipo 2-3 cells, NiMH 6-10 cell equivalent) or above. Over-heating will damage the motor.
- ⊘ Do not install propeller to the turning motor. ESC or Motor will be damaged in such cases. Low speed test run of the motor should be kept within a short time if you need to check the orientation of the propeller
- ⊘ Do not exposed to water, high temperature and high humidity.
- ⚠ May cause injury or accident. Do not allow motor with rotating propeller to be near any other objects or people, injuries or accident may occur. Do not touch powered motor with fingers or any other objects.
- ⚠ May cause injury or accident. Do not try to remove propeller from the rotating motor, this will result in serious accidents, damages to the motor as well as your aircraft. Do not use blades that are damaged.

Parts Of Motor



• In occasion where rotation of motor is reversed, please swap any 2 connections within the 3 connectors of the motor to the ESC.



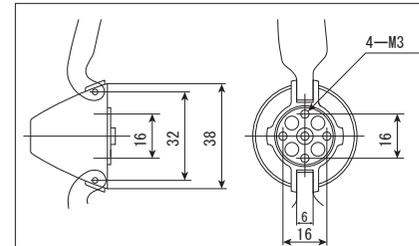
Package Contents:

Motor (Spinner, hub).....	1 pc
3x6mm motor mounting screw.....	2 pc
3mm washer screw.....	2 pc
2mm Gold Conntor (female).....	3 pc
7x4.5 Propeller (mounted onto V38-1150 motor).....	2 pc

Before Using Apollo Motor:

- ⚠ **Note** • ESC (Speed controller) for the body for Apollo brushless motor: Please use the speed controller dedicated for brushless motor. ESC that is meant for brushed motor cannot be used for Apollo motor, usage of wrong ESC can damage the ESC and motor.
- ⚠ **Note** • When installing motor: Damages to motor coils may occur if length of mounting screw is too long.
- ⚠ **Note** • When replacing blades: Current should be measured during operation when using a different propeller blade from the blade that comes with the package. Overheating due to excessive current flow will cause damage to the motor.

Dimension Of Motor (in mm)



Main Specifications:

- Diameter: 38mm
- Length: 31 mm (not including connectors)
- Weight: 46g (including folding propeller)
- Motor Unit: Outrunner brushless motor 80W
- KV Value: 1150
- Operating voltage: 6V~13V (2~3S LiPo Compatible)
- Distance between mounting screws: 16mm
- Spinner Unit: Aluminium, 38mm diameter
- Distance of blade mounting pins: 32mm
- Diameter of blade mounting pins: 2mm
- Length of blade mounting pins: 10mm

Motor Test:

Input:

- Tahmazo 7x4.5 propeller
- Voltage: 12.5V
- Current: 7.0A
- Air Temperature at: 25 degree celcius

Output results*:

- RPM: 9060
- Thrust: 370g

*Results shown above are for reference purpose only, may vary with the change in air temperature

Available Replacement Parts:

- Tahmazo 7x4.5 folding propeller
- Tahmazo Spinner Cone