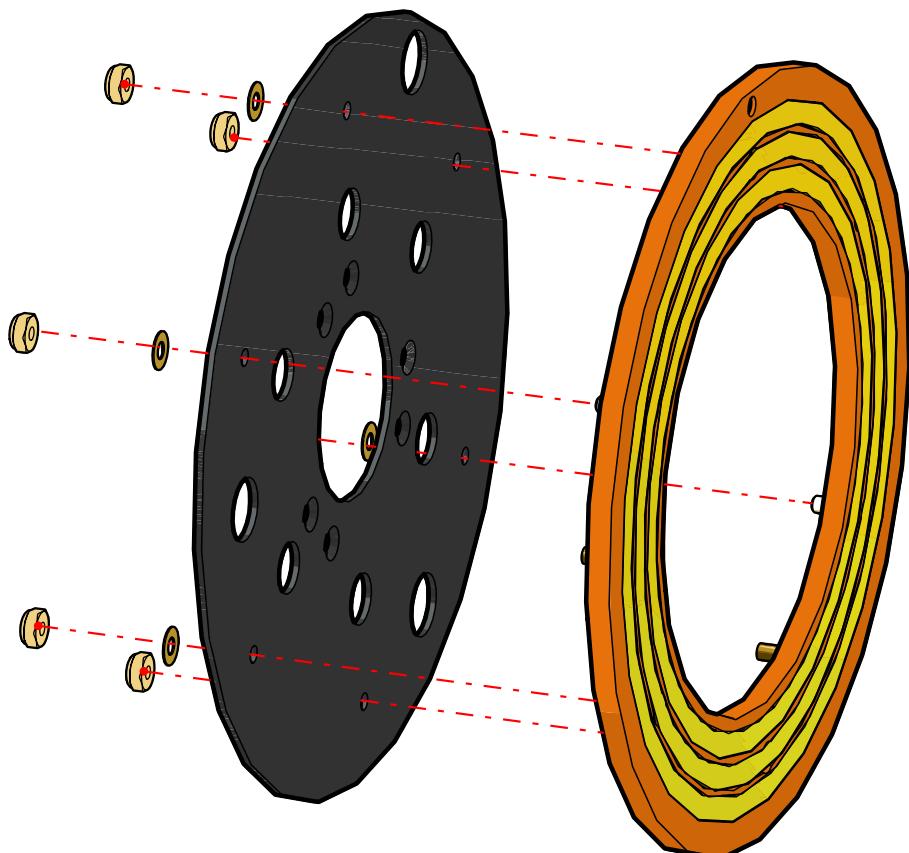


REVISION	CHANGE	APPROVED	DATE
1	Published release	JTS	26/11/2025

ASI-4-3-2-1

FITTING STANDARD SLIPRING TO PLATE

PROCEDURE



SUBJECT:

Slipring Installation

ASSEMBLY NO:

AR-xxx | AE-xxPxx or AS-xxx

APPLICABILITY:

All propeller models

1. TOPIC

1.1 Introduction

This document covers the procedure for fitting an Airmaster standard sliring assembly to its dedicated mount plate.

Normally, the sliring is mounted to the spinner backplate, but when a spacer, adapter, or extension assembly is used, it may require fitting to the mount kit assembly instead to contact the sensor-brush block. In these cases, the sliring is fitted to a dedicated mount plate (supplied with the mount kit assembly). Which installers must attach to the mount kit assembly before installing the propeller hub.

This procedure is applicable for either scenario.

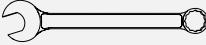
 **Note** *Generally, this task is already completed for new propellers when applicable.*

2. MATERIAL REQUIREMENTS

2.1 Parts

ITEM	QTY	PART NO.	DESCRIPTION	IMAGE
1.	1	AR-xxx	Airmaster Standard Sliring Assembly	
2.	As applicable	P0299	Sliring Mount Plate	
3.	As applicable	As applicable	Spinner Backplate	

2.2 Tooling

ITEM	QTY	DESCRIPTION	IMAGE
1.	1	11/32" Spanner	
2.	1	Torque Screwdriver (11/32" Socket) [1.5Nm]	

2.3 Paperwork

ITEM	QTY	CODE	DESCRIPTION
1.	1	AR-xxx	Airmaster (Standard) Sliring Assembly Drawing & BoM
2.	1	AE-xxPxx	Airmaster (Plated) Mount Kit Assembly Drawing & BoM
3.	1	AS-xxx	Airmaster Spinner Assembly Drawing & BoM

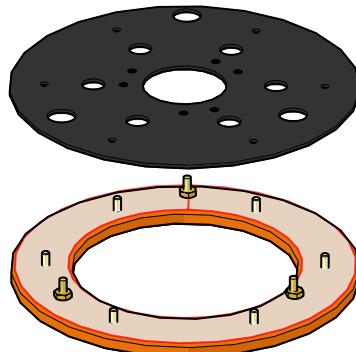
3. PROCEDURE

3.1 Mount Standard Slipring to Plate

PROCEDURE

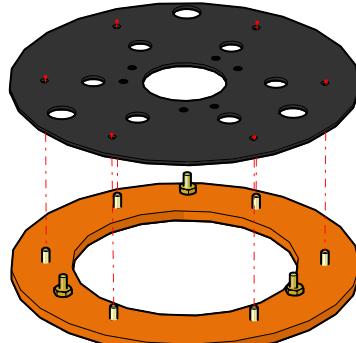
Step 1 Preparation

- Ensure mating face of sliring assembly and mount plate are clean.
- Inspect both parts for damage or defect.



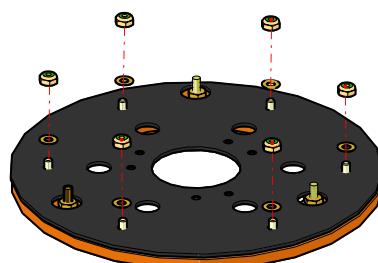
Step 2 Fit Sliring

- Align (9) sliring studs with corresponding holes in plate (only the correct orientation is possible).
- Fit sliring to plate, ensuring there is no gap between these parts.



Step 3 Attach Sliring

- Attach sliring to plate by securing each of the (6) shorter studs with:
 - (1) #8 steel washer (P0249).
 - (1) 8-32 UNC low locknut (P0242).
- Torque (6) locknuts to **1.5Nm (1.1ft-lbs)** in sequence of opposing pairs.
- Check there is no gap between the sliring and the plate, or beneath each locknut.



 **Attention** Torque screwdriver (11/32" socket)

3.2 Subsequent Action

Perform the following tasks once this procedure is complete:

- If slirpring is attached to mount plate:
 - Attach the plated slirpring assembly to the mount kit assembly (i.e. spacer, extension, or adapter) in accordance with the applicable installation procedure (**ASI-4-2-3-x**).
- If slirpring is attached to spinner backplate:
 - Fit ring terminals (hub power wires) over slirpring studs:
Black = outer, red = centre, green/blue= inner (as applicable).
 - Fit brass washer (P0232) over ring terminal.
 - Secure with 8-32 UNC brass locknut (P0235). Torque (3) locknuts to **1.5Nm (1.1ft-lbs)**.
 - Indicate with torque-seal.