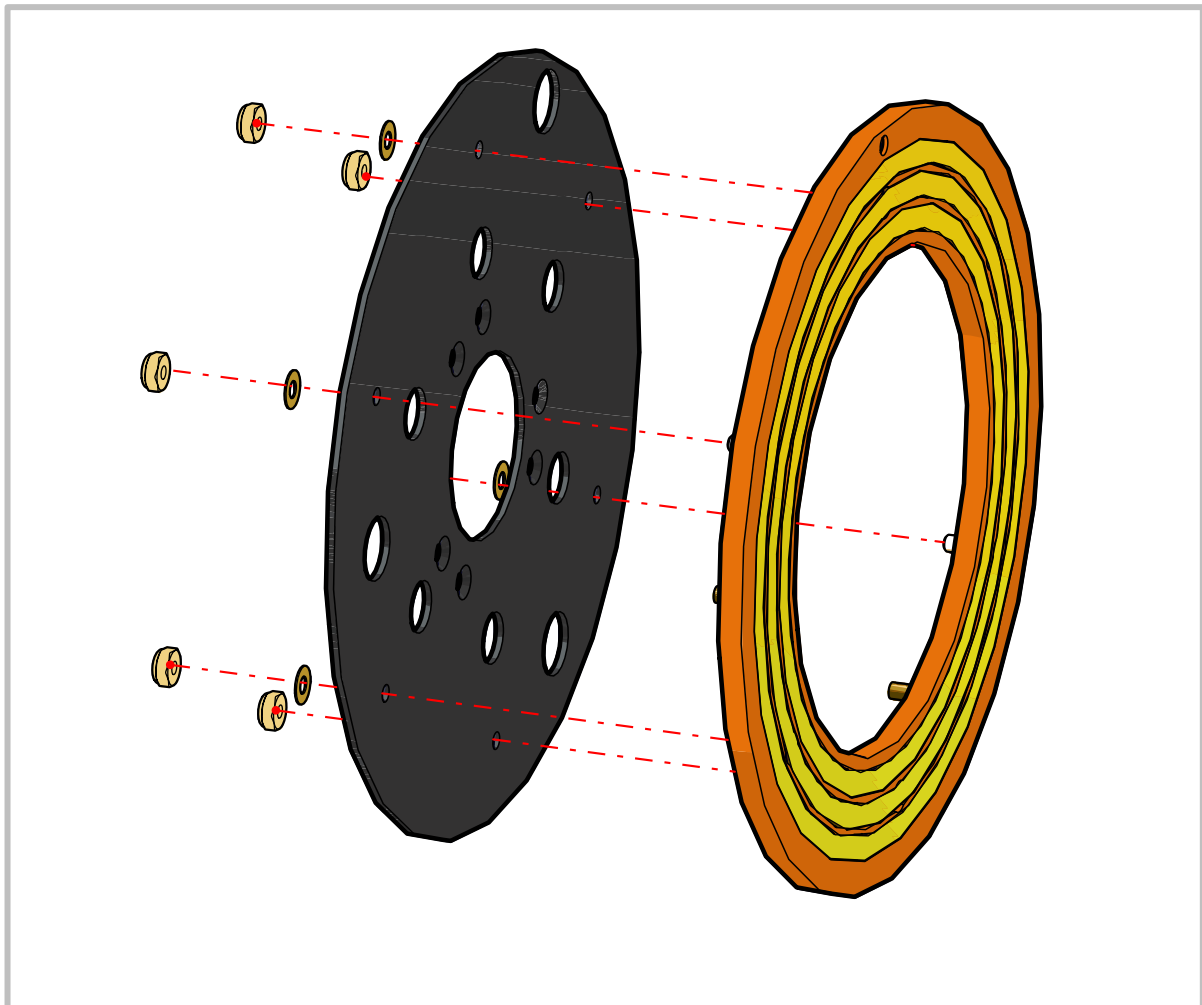


REVISION	CHANGE	APPROVED	DATE
1	Published release	JTS	26/11/2025

## 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 slipring assembly to its dedicated mount plate.




Normally, the slipring 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 slipring 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.

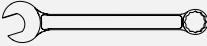

**Note** Generally, this task is already completed for new propellers when applicable.

## 2. MATERIAL REQUIREMENTS

### 2.1 Parts

ITEM	QTY	PART NO.	DESCRIPTION	IMAGE
1.	1	AR-xxx	Airmaster Standard Slipring Assembly	
2.	As applicable	P0299	Slipring 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) Slipring Assembly Drawing & BoM
2.	1	AE-xxPxx	Airmaster (Plated) Mount Kit Assembly Drawing & BoM
3.	1	AS-xxx	Airmaster Spinner Assembly Drawing & BoM

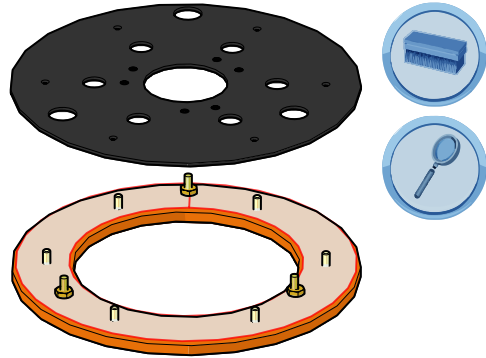
### 3. PROCEDURE

#### 3.1 Mount Standard Slipring to Plate

##### PROCEDURE

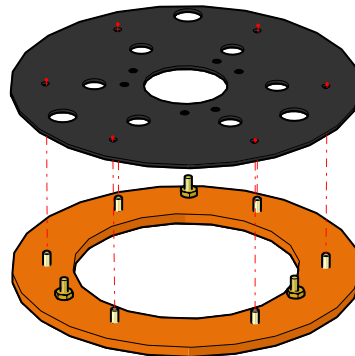
##### Step 1 Preparation

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



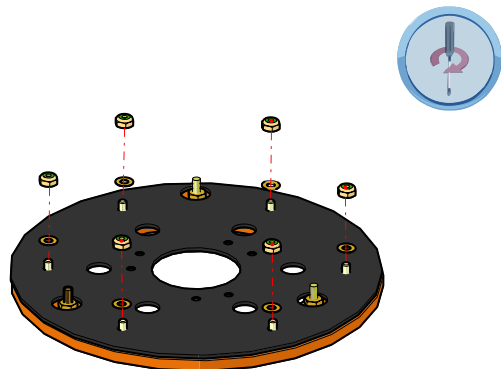
##### Step 2 Fit Slipring

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



##### Step 3 Attach Slipring

- Attach slipring 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 slipring 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 slipring is attached to mount plate:
  - Attach the plated slipring 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 slipring is attached to spinner backplate:
  - Fit ring terminals (hub power wires) over slipring 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.