

PART #0553
ALUMINUM ELEVATOR SWING ARM

PURPOSE

Replace #0155 (plastic swing arm) with formed #6061-T6 aluminum arms and ball bearings. Increases swashplate stability at high speed. Fits X-Cell .30 through .60 series helicopters.

CONTENTS

(2)	#0553-8	#0553-1 Swing-Arm Halves w/#0553-2 Bearing Installed
(1)	#0553-3	Hex Spacer
(1)	#0553-4	Bearing Spacer
(2)	#0009	Flat Washers
(2)	#0553-6	Phillips Flat Head Screws
(2)	#0553-7	Pivot Studs
(2)	#0019	M3 Locknuts

INSTRUCTIONS

- Step 1. Remove the original swing arm (#0155) and the elevator yoke (#0157). Remove the yoke, leaving the ball bearings (#0159) in place in the yoke.
- Step 2. Examine each aluminum swing arm to determine the inside and outer surface. Comparing them to the plastic part #0155, will show that the flanged bearing is installed from what we will call the outer surface (also identified by the counter-sunk hole midway down the arm.)
- Select each of the short pivot studs (#0553-7). Insert the threaded portion (from the inside surface) through the 3.0mm hole at the bent end of one of the swing-arm halves. Secure on the outside with a M3 locknut (#0019). Repeat on the other swing arm.
- Step 3. Snap each previously installed pivot stud into the ballbearings (#0159) contained in the elevator yoke (#0157). Select the bearing spacer (#0553-4) (identified by the step on each end) and press one end into the inside surface of each bearing. Install the hex spacer (#0553-3), using Loctite and two Phillips screws (#0553-6).
- Step 4. Install the assembly into the side frames--making sure to capture one flat space washer (#0009) on each side between the flanged bearing and the inside surface of each side frame.
- Re-install all other assemblies according to the kit instructions.
- Note:** With the system, it is possible to tighten the swing-arm pivot bolt (#0009) or pivot stud (0560-7), if you have push pull elevator. No binding should occur; however, **only moderate tightening** is suggested.