

# XRAY RX8

## INSTRUCTION MANUAL

## # 348501 - XCA (XRAY CENTRIFUGAL-AXIAL) CLUTCH SET - REVERSE

The new XRAY XCA Clutch Set includes re-designed components which make the clutch lighter and more consistent, leading to more dynamic clutch engagement suitable for most racing conditions. The set includes a super-light flywheel, new clutch disk, and conical washer spring set. All components were designed and long-term tested by factory racing team. Pinion gears are NOT included.

Due to the new clutch design, flywheel is much lighter which provides smoother and faster acceleration. With the conical washer spring set, the clutch works more consistently than when using the standard spring which deforms over time and needs re-tightening. This new conical clutch washer spring set allows the clutch to retain its setting for a very long time without needing re-adjustment.

**PARTS INCLUDED:**

- #338550 FLYWHEEL NUT - HUDY SPRING STEEL™
- #338556 THRUSTBEARING COLLAR - HUDY SPRING STEEL™
- #338584 SHIM 5x7x0.2 (10)
- #338585 SHIM 5x7x0.3 (10)
- #338586 SHIM 5x7x0.5 (10)
- #338590 CLUTCH SPRING CUP - ALU 7075 T6
- #338594 CLUTCH PRELOAD ADJ. NUT - HUDY SPRING STEEL™
- #348511 XCA CLUTCHBELL - HUDY STEEL - REINFORCED
- #348532 FLYWHEEL - SWISS 7075 T6 - HARD COATED - FLAT
- #348540 XRAY RX8 CONICAL CLUTCH WASHER SPRING SET
- #348560 CLUTCH FLYWEIGHT SET
- #348572 ALU CLUTCH DISK - SWISS 7075 T6 - CONICAL
- #348575 CLUTCH SHOE - YELLOW
- #359051 CLUTCH BELL BALL-BEARING 5x12x4 (2)
- #930150 CARBIDE AXIAL THRUSTBEARING F5-10 5x10x4
- #940510 HIGH-SPEED BALL-BEARING 5x10x4 RUBBER SEALED (2)
- #964073 WASHER S 7x10x0.2 (10)
- #964074 WASHER S 7x10x0.3 (10)
- #964075 WASHER S 7x10x0.5 (10)

**Follow the Instruction Manual pages 26-28 for assembly and set-up instructions.**

**NOTE ORIENTATION**

### TECH TIP FOR EXTRA BOTTOM POWER

For extra bottom power, thread a M3x4 setscrew (#901304) into each clutch flyweight as shown. The setscrew will add more weight to the end of the flyweight which will cause the flyweight to open harder, giving more bottom power. This is recommended for high-traction tracks where bottom power is required.

### IMPORTANT!

Install setscrew into free (non-pivot) end of flyweight.

**3x**

M3x4  
(#901304 not included)

CUTAWAY VIEW

**NOTE ORIENTATION**

ENGINE

Conical clutch washers 6x 0.6mm

Conical clutch washers 6x 0.4mm

Conical clutch washers 6x 0.6mm

Conical clutch washers 6x 0.4mm

Apply a drop of thread lock on the inside diameter of the nut.

0.5~0.8mm

**DETAIL**