

Raven Replacement Parts

CN2230HS	Raven 30 Crash Kit -(Wooden Main Blades, Main Shaft, Tail Boom, Feathering Shaft and Flybar)	1	HI3133A	Clear Windshield (for HI3130B Canopy)	1
			HI3138A	Fuel Tank w/ Fittings	1
CN2230FS	Raven 50 Crash Kit -(Wooden Main Blades, Main Shaft, Tail Boom, Feathering Shaft and Flybar)	1	HI3145	Ball Links (16 L, 6 S)	1
			HI3146C	Metal 120 Degree Swashplate Set/ CCPM - 10mm	1
HW3000	Hardware Pack	1	HI3152C	Washout Set - 10mm	1
HW3005A	Hardened Start Shaft Assembly	1	HI3152A	Radius Link With 12mm Pin	2
HI3007	Starter Shaft Bearing Blocks	1	HI3160C	Rotor Head Block - 10mm	1
HI3009	Cooling Fan	1	HI3167B	Seesaw Off Set Plate	2
HI3010A	Machined Clutch Bell & Lining	1	HI3167D	Seesaw Bearing Cup - R30	2
HI3010B	Clutch Gear Only 26T	1	HI3167E	Special Ball Set M3X6	2
HW3011	Clutch Shoes	1	HI3167F	Seesaw Bearing Cup - R50	2
HW3017	Engine Mount - 30	1	HI3167G	Seesaw Tie Bar, Screw & Spacers	2
HW3018A	Engine Mount - 46/50	1	HW3170A	Washout Pins 2x30mm	2
HI3020A	Cooling Fan Shroud	1	HW3173	Flybar - R30 (3mm)	1
HI3040	Counter Drive Gear	1	HW3173A	Flybar - R50 (4mm)	1
HW3042	Primary Drive Shaft	1	HI3176B	Flybar Control Arm - R30 (3mm)	2
HW3045	Alloy Drive Gear 13T - R30	1	HI3176C	Flybar Control Arm - R50 (4mm)	2
CN2224	Alloy Drive Gear 14T - R50	1	HI3179	Flybar Paddles - R30 (3mm)	2
HW3053A	Main Shaft - 10mm	1	HI3179A	Flybar Paddles - R50 (4mm)	2
HW3054A	Main Shaft Lock Ring - 10mm	1	HW3180A	Feathering Shaft - 6mm	1
HI3056	Main Gear	1	HI3181	Damping Rubbers	2
HW3057	Tail Drive Bevel Gear	1	HI3184	Rotor Blade Grip	2
HW3059	Tail Drive Primary Shaft - R30	1	HI3189A	Bell Mixing Arm Set	1
HW3059A	Tail Drive Primary Torque Shaft w/Spacer - R50	1	HW3192A	Linkage Set (CCPM) - R30/50	1
HW3062	Tail Boom - R30	1	HW3202B	Tail Boom Support Struts - R30	2
HW3062A	Tail Boom - R50	1	HW3202C	Tail Boom Support Struts - R50	2
HW3063	Tail Drive Shaft Set - R30	1	HI3205	Servo Mounting Tab Set	10
HW3063C	Tail Drive Shaft Set - R50	1	HI3206	Tail Pushrod Coupler	1
HW3064E	Tail Pitch Control Rod & Connector - R30	1	HW3204	Throttle Extension	1
HW3064F	Tail Pitch Control Rod & Connector - R50	1	CN0402	Hex Start Adapter w/set screw(5mm)	1
HI3067A	Tail Fin Set R30/50	1	CNLR1003	Micro Washer 3x5x0.5T	10
HW3070	Tail Gearbox Input Shaft - R30	1	CNLR1013	Black M2 Steel Ball - Short (servos)	2
HW3070A	Tail Gearbox Torque Input Shaft - R50	1	CNLR1014	Stainless M3 Steel Ball - Short (ail bellcrank)	2
HW3073	Tail Gearbox Output Shaft	1	CNLR1015	Stainless M3 Steel Ball - Med (washout arms)	2
HI3074	Tail Gear Spacer Tube	1	CNLR1016A	Stainless M3 Steel Ball - Long (bell mixer)	2
HI3075	Tail Gear Set	1	CNLR1017	Stainless M3 Steel Ball - Special Long Thread (seesaw)	2
HI3078	Tail Gearbox L&R	1	CN2322	Aerotech 3D 550mm pre-built wood blade (pair) - R30	1
HI3087	Tail Pitch Slider Set	1	CN2400	Hurricane 3D 550mm Sym Carbon Main Blades (pair) - R30	1
HI3089	Tail Pitch Ball Links	2	CN2411	Hurricane FAI 560mm Semi Carbon Main Blades (pair) - R30	1
HI3096A	Tail Blade Grip (1 piece/ 3BB type)	2	CN2412	Hurricane 3D 600mm Sym Carbon Main Blades (pair) - R50	1
HW3098A	Tail Rotor Hub	1	CN2413	Hurricane FAI 600mm Semi Carbon Main Blades (pair) - R50	1
HI3099	Tail Rotor Blades (Pair)	1			
HI3102A	Tail Pitch Lever Set - Standard R30	1		Ball Bearings	
HI3102B	Tail Pitch Lever Set - BB Type R50	1	CNBB0360F	Ball Bearing 3x6x2.5 (Tail Pitch Lever)	2
HI3106	Tail Pushrod Guide Set	3	CNBB0730	Ball Bearing 3x7x3 (Flybar, Mixing arms)	2
HI3107	Upper Side Frames	2	CNBB0930	Ball Bearing 3x9x2.5 (Tail Grips)	2
HW3112C	Lower Side Frames	2	CNBB0840	Ball Bearing 4x8x3 (Flybar R50)	2
HW3115B	Upper Servo Frame Set CCPM - R30/50	2	CNBB49T	Ball Bearing 4x9x4 Thrust (Tail Grips)	1
HW3115C	Lower Servo Frame Set & Battery Tray	2	CNBB1150	Ball Bearing 5x11x4 (Start Shaft, Tail Output Shaft)	2
HI3122	Landing Struts (Plastic) - R30	1	CNBB1350	Ball Bearing 5x13x4 (Counter Shaft, Input Tail Shaft)	2
HI3122A	Landing Struts, Low Profile (Plastic) - R50	1	CNBB1360	Ball Bearing 6x13x5 (Main Blade Grip)	2
HW3123	Landing Skids (Alloy) - R30	2	CNBB1260T	Ball Bearing 6x12x4 Thrust (Main Blade Grip)	2
HW3123A	Landing Skids (Alloy) - R50	2	CNBB1060	Ball Bearing 6x10x3 (Pitch Plate)	2
HW3127A	Hex Frame Spacers, Extention Rod & Canopy Side Mount	1	CNBB1980	Ball Bearing 8x19x6 (Lower Main Shaft)	2
HI3129B	Canopy Quick Mount	1	CNBB1019	Ball Bearing 10x19x5 (Upper Main Shaft)	2
HI3130B	Canopy Only	1	CNBB1812	Ball Bearing 12x18x4 (Clutch Bell)	1
HI3131J	Raven 30/50 Decal Set	1	HW3050	Autorotation One Way Bearing Set	1
HI3132F	Raven 30/50 Instruction Manual	1			

Raven 30/50 Upgrade Parts

CN0427A	One way Hex start system w/hex adapter - 5mm	CN2213	2oz Header Tank w/ Machined Mount Bracket - purple
CN0520	Carbon torque tube tail drive 2 B.B - R30	CN2214B	Air Filter (OS32-50, TT36-46)
CN2007A	Trainer Pod 30/46 w/4 fiberglass Legs	CN2215A	Head Button (silver)
CN2008A	Trainer Pod 50/60-Gas w/4 long fiberglass Legs	CN2215AB	Head Button (B-black, P-purple)
CN2015	Hardened Tip Hex Wrench Set (4 piece ground tips)	CN2217P	Machined Aluminum Anodize Color Caps - purple
CN2016	4.8V on-board Battery Monitor/Alarm	CN2218P	Machined Aluminum Anodize Color Washers - purple
CN2018	PG2000 II remote on/off Piezo Gyro	CN2126H	Ultra Light Carbon Graphite Tail Boom - R30
CN2046	Basic Heli Setup Tool Kit (pitch gauge, blade balancer, pliers & etc.)	CN2126F	Ultra Light Carbon Graphite Tail Boom - R50
CN2052	Accuratech Machined Blade Balancer	CN2240H	Ultra Light Carbon Graphite Tail Fin Set
CN2079R	Fast 3-D Hot dog fly bar paddles (R red, O orange, Y yellow) - R30	CN2128	Ultra Light Carbon Graphite Tail Boom Supports - R30
CN2079RA	Fast 3-D Hot dog fly bar paddles (R red, O orange, Y yellow) - R50	CN2128C	Ultra Light Carbon Graphite Tail Boom Supports - R50
CN2122	Carbon fiber flybar stiffeners - R30	CN2263	Constant Tail Drive - R30
CN2123	Carbon fiber flybar stiffeners - R50	CN2263A	Constant Tail Drive - R50
CN2137	2 oz Header Tank w/ Universal Bracket - purple	CN3033	Speed torpedo 30 HV Muffler - Polished Aluminum - R30
CN2155	Piston Locking Tool - purple	CN3033A	Speed torpedo 46 HV Muffler - Polished Aluminum -R50
CN2153	Machined Throttle Extension - OS32SX,46FX, TT36H - purple		
CN2202	Aluminum Turbo cooling fan - purple	CN3055H	Millennium 30 Tuned Pipe Set - R30
CN2207	CNC Machined Washout Mixing Arms (2)	CN3055F	Millennium 46/50 Tuned Pipe Set - R50