

ROTAX ENGINE INSTALLATION PACKAGE (REIP)
for the Rotax 914 on the STOL CH 750
Rotech/Skytek design sold through Zenair

Oct. 16, 2014

P/N		Qty	Shipped	Back/ordered
Section 1: Zenair Items				
R914-EM	ENGINE TRUSS / MOUNT - FIREWALL TO RING	1		
SFG912iSCCK	COWLING with Completion Kit			
R912is COWL	Skytek 912is FIBERGLASS COWL (top and bottom + rad scoop)	1		
AJW5-40	DZUS WITH WINGS (for oil door) Ref. 6-UL-25	1		
S5A-225	DZUS SPRINGS	1		
MS21059L3	NUT PLATE	25		
AN525-10R8	SCREW	25		
116-208	WASHER	25		
116-108	GROMMET	25		
AF-4	COUNTERSUNK FLUSH RIVETS FOR NUTPLATE	120		
6UL25-6	COWLING NACA DUCT for airfilter***	1		
6UL25-2/1	DOOR OIL t=.040" (1 for oil, 1 for coolant exp tank)	1		
6UL25-3/1	DOOR OIL HINGE	1		

(Section 6)	CH 750 standard prop kit		Shipped	Back/ordered
70"WARP NP	750 - 3 BLADE 70" PROP W/ NICKLE LEADING EDGES	1		
	HUB FACEPLATE 1/4" thick (Come with prop)			
SABER 2	2" PROP EXTENSION			
846-634	METRIC M8 NUT INSERT 842634 QTY-6	1		
PB	PROP BOLTS M8X130 pkg 6	1		
UHS-9WD	9" FIBERGLASS SPINNER ASSEMBLY	1		
	Washer - for prop bolts (comes with spinner)			

Section 2: SK ENGINE MOUNTING kits for 914 installation

			Shipped	Back/ordered
SFF 99/98K	Engine Truss Mounting Kit(Attachment parts for truss to firewall & truss to ring mount)	1		
	Rotax ANTI VIBRATION RUBBER ENGINE MOUNTS	8		
	CUPPED WASHERS MODIFIED	8		
	BOLTS	4		
	NUTS	4		
	AN7- SHIM WASHER	16		
	THIN WASHER	4		
	½"O.D. 4130 tube x 42mm (SPACER)	4		
	RUBBER BUSHING	4		
	TOP BOLTS (eng mount thru cabin frame)	2		
	LOWER BOLTS (eng mount to firewall)	4		
	NUTS (for top eng mount to firewall)	2		
	NUTS (for lower eng mount to firewall)	4		
	1/4" WASHERS	4		
	WASHER (lower eng mount to firewall)	8		

Section 3: SK 914 Engine Electrical

			Shipped	Back/ordered
SFF40AK-914	Special Constant Duty Master Solenoid and Install Kit for Rotax engine starter solenoid (included with engine)	1		
	INSULATED BUSS BAR STRAP (to join solenoids)	1		
	WASHER	4		
	SCREW	2		
	SCREW	2		
	SCREW	2		
	NUT	6		
	Special Constant Duty Cycle MASTER SOLENOID	1		

			Shipped	Back/ordered
SFF 60K	FIREWALL WIRE HARNESS penetration kit	1		
	PLATE	1		
	GROMMET	2		
	SCREW	7		
	NUT	7		

Section 4: SK OIL TANK MOUNTING KIT

			Shipped	Back/ordered
SFFO 10K	Rotax OIL TANK MOUNTING KIT	1		
	OIL TANK BRACKET	1		
	OIL TANK MOUNTING CLAMP	2		
	RIVET	8		
	LOWER FIREWALL STIFFENER	1		
	UPPER FIREWALL STIFFENER	1		
	RIVET	17		

Section 5: SK COOLANT RADIATOR AND MOUNTING KIT

			Shipped	Back/ordered
SFF 20K	COOLANT RADIATOR with BRACKETS & INSTALL KIT (includes top & bottom brackets, mounting hardware, hoses & clamps)	1		
	HEAVY DUTY HIGH PERFORMANCE COOLANT RADIATOR	1		
	UPPER RADIATOR SUPPORT	1		
	UPPER RADIATOR CLAMP	2		
	UPPER RADIATOR CLAMP	2		
	UPPER RUBBER MOUNT	2		
	NUT STEEL SELF LOCKING UPPER MOUNT	2		
	BOLT SUPPORT TO CLAMP	2		
	NUT STEEL LOCKING UPPER MOUNT TO CLAMP	2		
	SOCKET HEAD CAP SCREW LOWER RAD MOUNT	2		
	LOWER RAD TO FUSELAGE STRAPS	2		
	STAINLESS PENNY WASHER	2		
	FUEL LINE	4		
	FUEL LINE	2		
	1" RADIATOR HOSE SPLICE	1		
	1" HOSE CLAMPS FOR RAD HOSE	5		
	1" COOLANT RADIATOR HOSE	5		

			Shipped	Back/ordered
SFF 50AK	COOLANT EXPANSION BOTTLE WITH INSTALL & BRACKET KIT	1		
	BRACKET	1		
	RIVET	4		
	PLASTIC RAD EXPANSION BOTTLE	1		
	1/4" BLACK HOSE (for rad expansion bottle) qty=3ft	1		

Section 6: SK ENGINE OIL COOLER AND INSTALLATION KIT

			Shipped	Back/ordered
SFFO 20K	HD HIGH VOLUME OIL COOLER and MOUNTING BRACKET KIT (includes attach hardware)	1		
	HD HIGH VOLUME /HIGH EFFICIENCY OIL COOLER KIT (includes AN fittings, seals and nuts)	1		
	CAP SCREW	2		
	WASHER FLAT LOCKING	2		
	WASHER	2		
	BUSHING	4		
	SUPPORT STRAPS	2		
	ENGINE ADAPTOR	1		
	TOP RAD BRACKET	1		
	BOTTOM RADIATOR BRACKET	1		
	ENGINE ADAPTOR BUSHING	2		
	SOCKET HD CAP (3/8 inch long screw)	2		
	RIVETS	8		
	STEEL LOCKING NUTS	8		

			Shipped	Back/ordered
SFFO 5K-914	914 FWF OIL FLEX LINE KIT(with fire sleeve and fittings)	1		
	FC598-08 AQP SOCKETLESS HOSE (length=10ft)	1		
	90 DEGREES AQP SOCKETLESS FITTING	4		
	STRAIGHT AQP SOCKETLESS FITTING	2		
	TURBO OIL RETURN LINE from pump to oil tank (five feet)	5		
	FIRE SLEEVE (10 feet required)	10		
	BANDING FOR ENDS	6		
	FIRE SLEEVE (10 feet required)	10		
	BANDING FOR ENDS	6		

Section 7: SK INDUCTION CONNECTION KIT (does not include Zenith/Zenair UL25-6)

			Shipped	Back/ordered
SFF 120K	INDUCTION CONNECTION KIT			
	ALUMINUM FILTER RETAINER PLATE	1		
	AIRFILTER (to fit Zenair UL25-6 NACA duct)	1		
	2.5" ALU TUBE for attaching filter to induction tube	1		
	2-1/2" hose induction (airfilter/throttlebody) (1ft)	1		
	clamps for induction sceet hose	3		
	Anchor nuts for retainer plate	5		
	SCREWS FOR RETAINER PLATE	5		

Section 8: SK FUSELAGE FUEL SYSTEM for 912iS/914 (Aft firewall and back)

			Shipped	Back/ordered
SFS 10K	HEADER TANK KIT(1/2" inlet, 1/2" vent, 3/8" outlet & return with install hardware	1		
	HEADER TANK	1		
	FUEL LINE CLAMP 1/2" HOSE	4		
	FUEL LINE CLAMP 3/8" HOSE	2		
	RIVET	1		
	RIVET	4		

			Shipped	Back/ordered
SI 11K	LOWER LH HEADER TANK CLOSE OUT PANEL KIT (requires lh sump drain access panel kit)	1		
	PANEL LH	1		
	SCREW	2		
	SCREW	1		
	FLOATING ANCHOR NUT	1		
	3/32 pull rivet	2		

			Shipped	Back/ordered
SFS 20K	HEADER SUMP DRAIN KIT	1		
	SUMP DRAIN	1		
	FUEL LINE CLAMP 3/8" HOSE	2		
	NUT SUMP ATTACH	2		
	SCREW SUMP ATTACH	2		
	PUSH-UP FUEL SEDIMENT QUICK DRAIN for sump drain kit	1		

			Shipped	Back/ordered
SI 90K	LH SUMP DRAIN ACCESS PANEL KIT	1		
	PANEL	1		
	SCREW	13		
	ANUT	1		
	FLOATING ANUT	12		
	3/32" PULL RIVET	26		

			Shipped	Back/ordered
SIFS 25/30/00K	Fuselage Fuel System Kit (Header sump to firewall)	1		
	check valve fuel return.	1		
	90 DEGREE AN6 X 3/8 NIPPLE	1		
	3/8" FUEL LINE HOSE	7		
	FUEL LINE CLAMP 3/8" HOSE	3		
	WASHER	2		
	NUT BULKHEAD FITTING	1		
	BULKHEAD RUN TEE FITTING FUEL RETURN	1		
	90 DEGREE AN6 X 3/8 NIPPLE	1		
	FUEL LINE CLAMP 3/8" HOSE	3		
	3/8" FUEL LINE HOSE	8		
	Straight 1/4"NPT x 3/8 nipple	2		
	AN6 MALE X 1/4NPT	1		
	on-off fuel valve	1		
	Remote adaptor kit	1		
	REMOTE DRIVE EXTENSION 24"	1		

	FUEL SELECTOR VALVE MOUNTING BRACKET FOR FUEL VALVE	1		
	RIVET	4		
	SCREW	3		
	LOCK WASHER	3		

			Shipped	Back/ordered
SFS 30AK	1/2" 5052 ALUMINUM HARD FUEL SYSTEM FROM TANKS TO HEADER COMPLETE	1		
	1/2" 5052 ALU TUBE FUEL (L/H OR R/H TANK OUT)	2		
	SLEEVE COUPLING	1		
	NUT COUPLING	1		
	CATTERPILLAR GROMMET	1		
	FUEL LINE CLAMP 1/2" HOSE	1		
	Fuel Finger screen for tank outlet to fit 1/2" 5052 alu lines	1		
	1/2" 5052 ALUM TUBE FUEL (L/H OR R/H TANK RETURN)	2		
	Fuel cross-flow valve	1		
	3/8" NPT to 1/2" flare fitting	2		
	SLEEVE COUPLING	3		
	NUT COUPLING	3		
	FUEL TANK VENT LINE FITTING	1		
	FUEL LINE CLAMP 1/2" HOSE	1		
	GROMMET	1		
	1/2" 5052 FUEL FEED OR RETURN LINE RH SIDE OF FUSELAGE TO HEADER TANK	2		
	FUEL LINE CLAMP 1/2" HOSE	1		
	FUEL LINE FLEXABLE FOR ALL 1/2" LINE SPLICES	3.33		

Section 9: SK FUEL SYSTEM - ENGINE SIDE (FIREWALL FWD)

			Shipped	Back/ordered
SFS 95/100K-914	Master Firewall Forward Fuel System Kit FOR 914 - UNDER DEVELOPMENT			
	PENNY WASHER	6		
	1/4" WASHER	2		
	FIBER LOCK NUT	4		
	5/8" FIRESLEEVE P/FT	9		
	5/16" FUEL HOSE P/FT	9		
	90 DEGREE FUEL FITTING	5		
	STRAIGHT FUEL FITTING	5		
	SS BANDS FOR FIRE SLEEVE	10		

			Shipped	Back/ordered
SFF 00K	HIGH VOLUME PERFORMANCE FINE MESH GASCOLATOR & MOUNTING KIT	1		
	HIGH VOLUME PERF. GASCOLATOR (w. the 62 micron screen)	1		
	GASCOLATOR BRACKET	1		
	RIVET	3		
	PLUG FOR GASCOLATOR	1		
	BOLT	2		
	LOCK WASHER	2		
	WASHER	2		
	PUSH-UP FUEL SEDIMENT DRAIN for gascolator	1		
	AN6 F/M SWIVEL x AN6 MALE RUN TEE (with restrictor installed)	1		