

ROTAX 912iS ENGINE INSTALLATION PACKAGE (REIP) FOR THE ZENITH/ZENAIR CH750

Rotech/Skytek design sold through Zenair

| P/N | Description | Qty | Sent | B/O |
|-----|-------------|-----|------|-----|
|-----|-------------|-----|------|-----|

Section 1: Zenair-supplied Accessories

| | | | | |
|------------------------|--|-----|--|--|
| R914-EM | ENGINE TRUSS / MOUNT - FIREWALL TO RING | 1 | | |
| SFG912iSCCK | COWLING with Completion Kit | | | |
| | Skytek 912iS FIBERGLASS COWL (top and bottom) | 1 | | |
| | DZUS WITH WINGS (for oil door) Ref. 6-UL-25 | 1 | | |
| | DZUS SPRINGS | 1 | | |
| | NUT PLATE | 25 | | |
| | SCREW | 25 | | |
| | WASHER | 25 | | |
| | GROMMET | 25 | | |
| | COUNTERSUNK FLUSH RIVETS FOR NUTPLATE | 120 | | |
| | COWLING NACA DUCT for airfilter*** | 1 | | |
| | DOOR OIL t=.040" (1 for oil, 1 for coolant exp tank) | 1 | | |
| | DOOR OIL HINGE | 1 | | |
| Part Number TBA | CH 750 standard prop kit | | | |
| | 750 - 3 BLADE 70" PROP W/ NICKLE LEADING EDGES | 1 | | |
| | 2" PROP EXTENSION | | | |
| | METRIC M8 NUT INSERT | 1 | | |
| | PROP BOLTS M8X125 pkg 6 | 1 | | |
| | Washer - for prop bolts | 12 | | |
| | HUB FACEPLATE 1/4" thick (Come with prop?) | 1 | | |
| | 9" FIBERGLASS SPINNER ASSEMBLY | 1 | | |

Section 2: SK ENGINE MOUNTING kits for 912iS installation

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|-------------------|--|----|--|--|
| SFF 99/98K | Engine Truss Mounting Kit(Attachment parts for truss to firewall & truss to ring mount) | 1 | | |
| SFF 99K | ENGINE TRUSS TO RING MOUNT ATTACHMENT KIT | 1 | | |
| SFF 98K | ENGINE TRUSS TO FIREWALL INSTALL KIT | 1 | | |
| SFF 99K | ENGINE TRUSS TO RING MOUNT ATTACHMENT KIT | 1 | | |
| | ROTAX ANTI VIBRATION RUBBER ENGINE MOUNTS | 8 | | |
| | CUPPED WASHERS MODIFIED | 8 | | |
| | BOLTS | 4 | | |
| | NUTS | 4 | | |
| | THICK WASHER (Use as required) | 16 | | |
| | THIN WASHER | 4 | | |
| | Sleeve SPACER | 4 | | |
| | RUBBER BUSHING | 4 | | |
| SFF98K | ENGINE TRUSS TO FIREWALL INSTALL KIT | 1 | | |
| | 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 ENGINE ELECTRICAL for 912iS

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|-----------------|---|--|--|--|
| SFF75AK | 912iS Electronics Fuse Box & Starter Relay Mount kit(with nylon isolator) includes Special Constant Duty Master Solenoid | | | |
| SFF 74AK | 912iS Electronics Fuse Box installation kit | | | |
| SFF40AK | Special Constant Duty Master Solenoid & Nylon Isolator Mount Kit (for 912iS starter relay) | | | |

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|-----------------|--|---|--|--|
| SFF 74AK | 912iS Electronics Fuse box installation kit | | | |
| | MOUNTING ADAPTOR PLATE | 1 | | |
| | NUTS | 7 | | |
| | SCREW | 3 | | |
| | LINE CLAMP (FUSEBOX TO ENG MOUNT) | 3 | | |
| | SCREW | 4 | | |

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|----------------|--|---|--|--|
| SFF40AK | Special Constant Duty Master Solenoid & Nylon Isolator Mount Kit(for 912iS Starter relay) | 1 | | |
| | ISOLATOR PLATE | 1 | | |
| | BUSS BAR INSULATED | 1 | | |
| | WASHER | 4 | | |
| | SCREW | 2 | | |
| | SCREW | 2 | | |
| | SCREW | 2 | | |
| | NUT | 6 | | |
| | Special Constant Duty Cycle MASTER SOLENOID | 1 | | |

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|----------------------|---|---|--|--|
| SI 04/SFF 60K | 912iS Engine Control Unit (ECU) Installation kit | 1 | | |
| SI 04K | 912iS Engine Control Unit (ECU) MOUNTING BRACKET KIT | 1 | | |
| SFF 60K | FIREWALL WIRE penetration kit | 1 | | |

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|---------------|---|---|--|--|
| SI 04K | 912iS Engine Control Unit (ECU) MOUNTING BRACKET KIT | 1 | | |
| | BRACKET | 1 | | |
| | BOLT | 4 | | |
| | RIVET | 8 | | |
| | RIVET | 9 | | |

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|----------------|--|---|--|--|
| SFF 60K | FIREWALL WIRE HARNESS penetration kit | 1 | | |
| | PLATE | 1 | | |
| | GROMMET | 2 | | |
| | SCREW | 7 | | |
| | NUT | 7 | | |

Section 4: SK OIL TANK MOUNTING KIT

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|-----------------|------------------------------------|----|--|--|
| SFFO 10K | ROTAX OIL TANK MOUNTING KIT | 1 | | |
| | OIL TANK BRACKET | 1 | | |
| | OIL TANK MOUNTING CLAMP | 2 | | |
| | RIVET | 8 | | |
| | BEVELED LOWER FIREWALL STIFFENER | 1 | | |
| | BEVELED UPPER FIREWALL STIFFENER | 1 | | |
| | RIVET | 17 | | |

Section 5: SK COOLANT RADIATOR & MOUNTING KIT

| | | | | |
|----------------|---|---|--|--|
| 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 | | |

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|-----------------|--|---|--|--|
| SFF 50AK | COOLANT EXPANSION BOTTLE WITH INSTALL & BRACKET KIT | 1 | | |
| | BRACKET | 1 | | |
| | RIVET | 4 | | |
| | PLASTIC RAD EXPANSION BOTTLE | 1 | | |
| | OVERFLOW HOSE | 3 | | |

Section 6: SK OIL COOLER AND INSTALLATION KIT

| | | | | |
|-----------------|---|---|--|--|
| SFFO 20K | HD HIGH VOLUME OIL COOLER and MOUNTING BRACKET KIT (includes attach hardware) *may not be exactly as listed* | 1 | | |
| | HD HIGH VOLUME /HIGH EFFICIENCY OIL COOLER KIT (includes AN fittings, seals and nuts) | 1 | | |
| | | 2 | | |
| | | 2 | | |
| | | 2 | | |
| | | 4 | | |
| | | 2 | | |
| | | 1 | | |
| | | 1 | | |
| | | 1 | | |
| | | 2 | | |
| | | 2 | | |
| | | 8 | | |
| | | 8 | | |

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|----------------|---|----|--|--|
| SFFO 5K | 912iS FWF FLEXIBLE OIL LINE KIT(with fire sleeve and fittings) | 1 | | |
| | SOCKETLESS HOSE | 1 | | |
| | 90 DEGREES SOCKETLESS FITTINGS | 4 | | |
| | 45 DEGREE FITTINGS | 2 | | |
| | FIRE SLEEVE | 10 | | |
| | BANDING FOR ENDS | 6 | | |

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

| SFF 120K | INDUCTION CONNECTION KIT | | | |
|----------|---|----|--|--|
| | ALUMINUM FILTER RETAINER PLATE | 1 | | |
| | AIRFILTER (to fit Zenair UL25-6 NACA duct) | 1 | | |
| | ALUMINUM JOIN TUBE | 1 | | |
| | Special Thermal SCEET Induction Hose (airfilter/throttlebody) | 1 | | |
| | clamps for induction hose | 3 | | |
| | Anchor nuts for retainer plate | 5 | | |
| | Rivets | 10 | | |
| | SCREWS FOR RETAINER PLATE | 5 | | |

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

| 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 | | |

| 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 | | |
| | rivets | 2 | | |

| SFS 20K | HEADER SUMP DRAIN KIT | 1 | | |
|---------|--|---|--|--|
| | SUMP DRAIN | 1 | | |
| | FUEL LINE CLAMP HOSE | 2 | | |
| | NUT SUMP ATTACH | 2 | | |
| | SCREW SUMP ATTACH | 2 | | |
| | PUSH-UP FUEL SEDIMENT QUICK DRAIN for sump drain kit | 1 | | |

| SI 90K | LH SUMP DRAIN ACCESS PANEL KIT | 1 | | |
|--------|--------------------------------|----|--|--|
| | PANEL | 1 | | |
| | SCREW | 13 | | |
| | ANUT | 1 | | |
| | FLOATING ANUT | 12 | | |
| | RIVET | 26 | | |

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|-----------------------|---|---|--|--|
| SIFS 25/30/00K | Fuselage Fuel System Kit (Header sump to firewall) | 1 | | |
| SIFS 25K | FUSELAGE FUEL RETURN LINE KIT | 1 | | |
| SIFS 30K | FUSELAGE FUEL FEED LINE KIT | 1 | | |
| SIFS 00K | FUEL SELECTOR VALVE WITH INSTALL & BRACKET KIT | 1 | | |

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|-----------------|--------------------------------------|---|--|--|
| SIFS 25K | FUSELAGE FUEL RETURN LINE KIT | 1 | | |
| | One-way check valve fuel return. | 1 | | |
| | 90 DEGREE NIPPLE FITTING | 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 | | |

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|-----------------|------------------------------------|---|--|--|
| SIFS 30K | FUSELAGE FUEL FEED LINE KIT | 1 | | |
| | 90 DEGREE NIPPLE FITTING | 1 | | |
| | FUEL LINE CLAMP 3/8" HOSE | 3 | | |
| | 3/8" FUEL LINE HOSE | 8 | | |
| | STRAIGHT NIPPLE FITING | 2 | | |
| | NIPPLE | 1 | | |

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|---------------|---|---|--|--|
| SI 00K | DELUXE FUEL SELECTOR VALVE WITH LOCK-ON/LOCK-OFF FEATURE, INCLUDING HARDWARE & BRACKET KIT | 1 | | |
| | on-off fuel valve with lock-on/lock-off | 1 | | |
| | Remote adaptor kit | 1 | | |
| | REMOTE DRIVE EXTENSION 24" | 1 | | |
| | FUEL SELECTOR VALVE MOUNTING BRACKET FOR DELUXE FUEL VALVE | 1 | | |
| | RIVET | 4 | | |
| | SCREW | 3 | | |
| | LOCK WASHER | 3 | | |

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|-----------------|--|------|--|--|
| SFS 30AK | 1/2" 5052 STRAIGHT HARD LINE WING TANK FUEL SYSTEM TO HEADER, COMPLETE WITH CROSS-FEED GATE VALVE & STAINLESS FUEL TANK FINGER SCREENS (INCLUDES ALL CONNECTION FITTINGS, CLAMPS & HOSES) | 1 | | |
| | 1/2" 5052 ALU TUBE FUEL (L/H OR R/H TANK OUT) 18 | 2 | | |
| | SLEEVE COUPLING | 10 | | |
| | NUT COUPLING | 10 | | |
| | CATERPILLAR GROMMET | 2 | | |
| | FUEL LINE CLAMP 1/2" HOSE | 8 | | |
| | Fuel Finger screen for tank outlet to fit 1/2" 5052 alu lines | 2 | | |
| | 1/2" 5052 ALUM TUBE FUEL (L/H OR R/H TANK RETURN) | 2 | | |
| | Fuel cross-flow valve | 1 | | |
| | UNION | 2 | | |
| | pipe to flare fitting | 4 | | |
| | FUEL LINE CLAMP 1/2" HOSE | 1 | | |
| | GROMMET | 1 | | |
| | 1/2" 5052 FUEL FEED OR RETURN LINE RH SIDE OF FUSELAGE TO HEADER TANK | 1 | | |
| | FUEL LINE CLAMP 1/2" HOSE | 1 | | |
| | FLEXIBLE FUEL LINE FOR ALL 1/2" LINE SPLICES | 3.33 | | |
| | 1/2 5052 FUEL FEED LINE FROM WING TO CROSS-FLOW-VALVE | 1 | | |
| | 1/2 5052 FUEL FEED LINE FR WING CROSS-FLOW-VALVE TO HEADER TANK | 1 | | |
| | 1/2 5052 LH OR RH WING TRAILING EDGE VENT LINE | 2 | | |

Section 9: SK 912iS FUEL SYSTEM ENGINE SIDE (Firewall Forward)

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|-----------------------|--|---|--|--|
| SFS 95/00/100K | Master Firewall Forward Fuel System Kit | | | |
| SFS 95K | FUEL PUMP MOUNTING KIT | 1 | | |
| SFS 00K | FUEL FILTER & BRACKET INSTALL KIT | 1 | | |
| SFS 100K | FLEXIBLE FUEL LINE KIT (FWF) | 1 | | |

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|----------------|-------------------------------|---|--|--|
| SFS 95K | FUEL PUMP MOUNTING KIT | 1 | | |
| | PENNY WASHER | 6 | | |
| | 1/4" WASHER | 2 | | |
| | FIBER LOCK NUT | 4 | | |

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|----------------|---|---|--|--|
| SFS 00K | FUEL FILTER & BRACKET INSTALL KIT | 1 | | |
| | 912iS FUEL FILTER 12 MICRON SCREEN | 1 | | |
| | FUEL FILTER MOUNTING BRACKET | 1 | | |
| | HOSE CLAMP | 1 | | |
| | SCREW | 4 | | |
| | NUT | 4 | | |
| | adaptor SKYTEK filter | 1 | | |
| | adaptor SKYTEK filter | 1 | | |
| | AN6 BULKHEAD MALE RUN TEE | 1 | | |
| | ALUM NUT FOR BULKHEAD RUN TEE | 1 | | |
| | GASKET | 1 | | |
| | O-Ring gasket | 1 | | |
| | AN6 F/M SWIVEL x AN6 MALE RUN TEE (with restrictor installed in 90 degree outlet hole) | 1 | | |

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|-----------------|-------------------------------------|----|--|--|
| SFS 100K | FLEXIBLE FUEL LINE KIT (FWF) | 1 | | |
| | 5/16" FUEL HOSE | 9 | | |
| | 90 DEGREE FUEL FITTING | 5 | | |
| | STRAIGHT FUEL FITTING | 5 | | |
| | SS BANDS FOR FIRE SLEEVE | 10 | | |

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|----------------|---|---|--|--|
| SFF 00K | HIGH VOLUME PERFORMANCE FINE MESH GASCOLATOR & MOUNTING KIT | 1 | | |
| | HIGH VOLUME PERFORMANCE GASCOLATOR (ready to install with the 62 micron screen) | 1 | | |
| | GASCOLATOR BRACKET | 1 | | |
| | ADAPTOR | 1 | | |
| | RIVET | 3 | | |
| | PLUG FOR GASCOLATOR | 1 | | |
| | BOLT | 2 | | |
| | LOCK WASHER | 2 | | |
| | WASHER | 2 | | |
| | PUSH-UP FUEL SEDIMENT DRAIN for gascolator | 1 | | |

This top-quality Rotax Engine Installation Package (REIP) is designed for optimized integration of the new fuel-injected Rotax 912iS engine into the Zenair STOL CH 750 kit aircraft design. Installation instructions are provided with the REIP and are complemented with professionally produced videos available through the Rotax-Owners website.

For prices, or to order your own REIP, contact Zenair Ltd. (www.zenair.com) or Zenith Aircraft Co. (www.zenithair.com).