



S-7S

PARTS MANUAL

00	GENERAL
01	FUSELAGE
02	CONTROL SYSTEMS
03	ENGINE – 912S
04	INSTRUMENTS & ELECTRICAL
05	WINGS
06	EXTERNAL ASSEMBLIES
07	COVERING
08	INTERNAL ASSEMBLIES
09	RIGGING
11	OPTIONS

S-7S

PARTS MANUAL

SECTION 01 - FUSELAGE

01 – 02	FUSELAGE FORMER INSTALLATION
03 – 04	MAIN GEAR ASSEMBLY & INSTALLATION
05 – 06	TAILWHEEL ASSEMBLY & INSTALLATION
07 – 08	HORIZONTAL STAB. & ELEVATOR ASS'Y & INST'LL
09 – 10	TRIM TAB ASSEMBLY & INSTALLATION
11 – 12	FLOORBOARD INSTALLATION
13 – 14	RUDDER PEDAL INSTALLATION
15 – 16	RUDDER SYSTEM ASSEMBLY & INSTALLATION
17 – 18	FIREWALL INSTALLATION
19 – 20	HYDRAULIC BRAKE INSTALLATION
21 – 22	DOORFRAME BATTERY ACCESS PANEL INSTALLATION

S-7S

PARTS MANUAL

SECTION 02 - CONTROL SYSTEMS

01 – 02	CONTROL STICK ASSEMBLY & INSTALLATION
03 – 04	ELEVATOR PUSH PULL TUBE ASSEMBLY
05 – 06	ELEVATOR CONTROL SYSTEM INSTALLATION
07 – 08	AILERON CABLE SYSTEM INSTALLATION-FUSELAGE
09 – 10	FLAP LEVER ASSEMBLY AND INSTALLATION
11 – 12	THROTTLE LEVER INSTALLATION

S-7S

PARTS MANUAL

SECTION 03 - ENGINE - 912

01 – 02	ENGINE MOUNT INSTALLATION
03 – 04	ENGINE INSTALLATION
05 – 07	FUEL SYSTEM - PART 1
08 – 09	FUEL LINE INSTALLATION- FIREWALL FORWARD
10 – 11	THROTTLE CABLE INSTALLATION
12 – 13	CHOKE INSTALLATION
14 – 15	LUBRICATION SYSTEM ASSEMBLY & INSTALLATION
16 – 17	COOLING SYSTEM INSTALLATION
18 – 19	MUFFLER/HEATER WRAP ASSEMBLY & INSTALLATION
20 – 21	HEATER INSTALLATION
22 – 23	CARB HEAT INSTALLATION

S-7S

PARTS MANUAL

SECTION 04 - INSTRUMENTS & ELECTRICAL

01 – 02	BATTERY BOX ASSEMBLY & INSTALLATION
03 – 04	INSTRUMENTS & ELECTRICAL
05 – 06	ELT & COMMUNICATION ANTENNA INSTALLATION
07 – 08	JACK MOUNT INSTALLATION
09 – 10	PITOT / STATIC TO INSTRUMENT INSTALLATION

S-7S

PARTS MANUAL

SECTION 05 - WINGS

01 – 02	WING RIB ASSEMBLY JIG
03 – 04	WING - UNIVERSAL HINGE
05 – 07	WING - MAIN STRUCTURE ASSEMBLY
08 – 09	WING FUEL TANK ASSEMBLY & INSTALLATION
10 – 11	AILERON BELLCRANK & CABLE INSTALLATION - WING
12 – 13	WING RIB ASSEMBLY
14 – 15	WING TIP RIB ASSEMBLY
16 – 17	WING RIBS & SHEET METAL
18 – 19	FLAP ASSEMBLY & INSTALLATION
20 – 21	AILERON ASSEMBLY & INSTALLATION
22 – 23	LIFT STRUT ASSEMBLY & INSTALLATION
24 – 25	JURY STRUT INSTALLATION
26 – 27	WING TIP ASSEMBLY & INSTALLATION
28 – 29	ROOT SKIN INSTALLATION

S-7S

PARTS MANUAL

SECTION 06 - EXTERNAL ASSEMBLIES

01 – 02	BOOT COWL/INSTRUMENT PANEL INSTALLATION
03 – 04	WINDSHIELD ASSEMBLY & INSTALLATION
05 – 06	DOOR ASSEMBLY, LEXAN & TRIM
07 – 08	DOOR LATCH AND DOOR INSTALLATION
09 – 10	13" SPINNER ASSEMBLY
11 – 12	912 SENSENICH PROPELLER INSTALLATION
13 – 14	COWLING ASSEMBLY & INSTALLATION
15 – 16	OIL CHECK DOOR INSTALLATION

S-7S

PARTS MANUAL

SECTION 07 - COVERING

01 – 02 COVERING

S-7S

PARTS MANUAL

SECTION 08 - INTERNAL ASSEMBLIES

01 – 02	BAGGAGE COMPARTMENT ASSEMBLY & INSTALLATION
03 – 04	SEAT ASSEMBLY & INSTALLATION
05 – 06	SEAT BELT ASSEMBLY & INSTALLATION
07 – 08	RUDDER CABLE GUARD INSTALLATION
09 – 10	STATION 3 CLOSE OUT INSTALLATION
11 – 12	THROTTLE CABLE COVER INSTALLATION
13 – 14	CONTROL STICK COVER

S-7S

PARTS MANUAL

SECTION 09 - OTHER

01 – 02 PLACARDS / LABELS / MARKERS

S-7S

PARTS MANUAL

SECTION 11 - OPTIONS

01 – 02	WINTERIZATION KIT
03 – 04	COMPASS MOUNT INSTALLATION
05 – 06	WHELEN STROBE INSTALLATION
06A – 06B	KUNTZLEMAN STROBE INSTALLATION
07 – 08	SENSENICH COMPOSITE PROP INSTALLATION
09 – 10	WARP DRIVE PROP INSTALLATION
11 – 12	8.00 X 6 MAIN GEAR ASSEMBLY
13 – 14	8" PNEUMATIC TAILWHEEL
15 – 16	FORMED WINDSHIELD

S-7S

TEXT MANUAL

00	GENERAL
01	FUSELAGE
02	CONTROL SYSTEMS
03	ENGINE – 912S
04	INSTRUMENTS & ELECTRICAL
05	WINGS
06	EXTERNAL ASSEMBLIES
07	COVERING
08	INTERNAL ASSEMBLIES
09	RIGGING
10	OPERATIONS
11	OPTIONS

S-7S

TEXT MANUAL

SECTION 00 - GENERAL

00-03	AIRCRAFT TOOL LIST
00-03A	RECOMMENDED AVIONICS LIST
00-04	GENERAL INFORMATION
00-08	ASSEMBLY FLOW CHART GENERAL
00-09	ASSEMBLY FLOW CHART DETAILED
00-09	FUSELAGE - PRECOVERING ASSEMBLY
00-10	FUSELAGE - FINAL ASSEMBLY
00-14	TAIL SURFACES - PRECOVERING ASSEMBLY
00-15	TAIL SURFACES - FINAL ASSEMBLY & INSTALLATION
00-15	WINGS - PRECOVERING ASSEMBLY
00-17	WINGS - FINAL ASSEMBLY & INSTALLATION

S-7S

TEXT MANUAL

SECTION 01 - FUSELAGE

01-01 – 01-03	FUSELAGE FORMER INSTALLATION
01A-01 – 01A-02	MAIN GEAR ASSEMBLY & INSTALLATION
01B-01	GEAR LEG FAIRING ASSEMBLY & INSTALLATION
01C-01	TAIL WHEEL ASSEMBLY & INSTALLATION
01D-01 – 01D-05	HORIZONTAL STABILIZER & ELEVATOR ASS'Y & INST'LL
01E-01 – 01E-02	TRIM TAB ASSEMBLY & INSTALLATION
01F-01 – 01F-02	FLOORBOARD INSTALLATION
01G-01	RUDDER PEDAL INSTALLATION
01H-01 – 01H-03	RUDDER SYSTEM ASSEMBLY & INSTALLATION
01I-01 – 01I-04	FIREWALL ASSEMBLY & INSTALLATION
01J-01 – 01J-02	HYDRAULIC BRAKE INSTALLATION
01K-01	DOORFRAME BATTERY ACCESS PANEL INSTALLATION

S-7S

TEXT MANUAL

SECTION 02 - CONTROL SYSTEMS

02-01 – 02-04	CONTROL STICK ASSEMBLY & INSTALLATION
02A-01	ELEVATOR PUSH PULL TUBE ASSEMBLY
02B-01	ELEVATOR CONTROL SYSTEM INSTALLATION
02C-01 – 02C-02	AILERON CABLE SYSTEM INSTALLATION-FUSELAGE
02D-01	FLAP LEVER ASSEMBLY & INSTALLATION
02E-01 – 02E-02	THROTTLE LEVER INSTALLATION

S-7S

TEXT MANUAL

SECTION 03 - ENGINE - 912

03-01 – 03-02	ENGINE MOUNT & ENGINE INSTALLATION
03A-01 – 03A-03	FUEL LINE INSTALLATION- FUSELAGE
03B-01	FUEL LINE INSTALLATION- FIREWALL FORWARD
03C-01 – 03C-03	THROTTLE CABLE & CHOKE INSTALLATION
03D-01 – 03D-02	LUBRICATION SYSTEM ASSEMBLY & INSTALLATION
03E-01	COOLING SYSTEM INSTALLATION
03F-01	MUFFLER/ HEATER WRAP ASSEMBLY & INSTALLATION
03G-01	HEATER INSTALLATION
03H-01	CARB HEAT INSTALLATION

S-7S

TEXT MANUAL

SECTION 04 - INSTRUMENTS & ELECTRICAL

04-01	BATTERY BOX ASSEMBLY & INSTALLATION
04A-01	INSTRUMENTS & ELECTRICAL
04B-01	ELT & COMMUNICATION ANTENNA INSTALLATION

S-7S

TEXT MANUAL

SECTION 05 - WINGS

05-01 – 05-04	WING - RIB ASSEMBLY & INSTALLATION
05A-01 – 05A-05	WING - MAIN STRUCTURE ASSEMBLY
05B-01 – 05B-03	FUEL TANK ASSEMBLY & INSTALLATION
05C-01	WING - AILERON BELLCRANK & CABLE INSTALLATION
05D-01	WING - FUEL & VENT LINE INSTALLATION
05E-01	WING - FLAP CABLE INSTALLATION
05F-01 – 05F-03	WING - SHEET METAL INSTALLATION
05G-01	WING - PITOT & STATIC SYSTEM INSTALLATION
05H-01 – 05H-03	WING - AILERON & FLAP ASSEMBLY & INSTALLATION
05I-01	WING TIP ASSEMBLY & INSTALLATION
05J-01 – 05J-02	LIFT STRUT ASSEMBLY
05K-01 – 05K-02	ROOT SKIN INSTALLATION
05L-01 – 05L-04	WING INSTALLATION

S-7S

TEXT MANUAL

SECTION 06 - EXTERNAL ASSEMBLIES

06-01 – 06-03	BOOT COWL & INSTRUMENT PANEL INSTALLATION
06A-01 – 06A-05	WINDSHIELD ASSEMBLY & INSTALLATION
06B-01 – 06B-02	DOOR ASSEMBLY - LEXAN & TRIM
06C-01 – 06C-02	DOOR LATCH & DOOR INSTALLATION
06D-01 – 06D-02	SPINNER ASSEMBLY & INSTALLATION
06E-01	PROPELLER INSTALLATION
06F-01 – 06F-02	COWLING ASSEMBLY & INSTALLATION

S-7S

TEXT MANUAL

SECTION 07 - COVERING

07-01	GENERAL INFORMATION
07A-01 – 07A-04	WINGS
07B-01	AILERONS & FLAPS
07C-01 – 07C-04	FUSELAGE
07D-01 – 07D-02	HORIZONTAL STABILIZER
07E-01	RUDDER
07F-01	ELEVATOR
07G-01	DOORS

S-7S

TEXT MANUAL

SECTION 08 - INTERNAL ASSEMBLIES

08-01	BAGGAGE COMPARTMENT ASSEMBLY & INSTALLATION
08A-01 – 08A-02	SEAT ASSEMBLY & INSTALLATION
08B-01	SEAT BELT ASSEMBLY & INSTALLATION
08C-01	RUDDER CABLE GUARD INSTALLATION
08D-01	STATION 3 CLOSE OUT INSTALLATION
08E-01	THROTTLE CABLE COVER INSTALLATION
08F-01	CONTROL STICK COVER INSTALLATION

S-7S

TEXT MANUAL

SECTION 09 - RIGGING

09-01 – 09-02	CONTROL SURFACE MASS BALANCE
09A-01 – 09A-04	WINGS
09B-01 – 09B-04	TAIL SURFACES
09C-01	FUEL SIGHT GAUGE CALIBRATION
09D-01	CARBURETOR HEAT
09E-01	CABIN HEAT
09E-01	PARK BRAKE
09E-01	THROTTLE & CHOKE

S-7S

TEXT MANUAL

SECTION 10 - OPERATIONS

10-01 – 10-10	WEIGHT & BALANCE
10A-01 – 10A-03	LIMITATIONS
10B-01 – 10B-11	NORMAL PROCEDURES
10C-01 – 10C-07	EMERGENCY PROCEDURES
10D-01 – 10D-02	AIRCRAFT CARE

S-7S

TEXT MANUAL

SECTION 11 - OPTIONS

11-01	WINTERIZATION KIT
11A-01	COMPASS MOUNT INSTALLATION
11B-01 – 11B-02	WHELEN STROBE INSTALLATION
11C-01 – 11C-02	SENSENICH COMPOSITE PROP INSTALLATION
11D-01	WARP DRIVE PROP INSTALLATION
11E-01	FORMED WINDSHIELD INSTALLATION