S-7 COURIER OPERATING SPEEDS* 80 HP Rotax 912UL & 100 HP Rotax 912ULS mph IAS

	V _s	45
(13)	V _{sf}	42
	V,	63
1	٧, .	50
7/16	V _{L/O}	60
7/66	V _{fe}	73
	V _a	105
	V _{ne}	140

Stall, Flaps Retracted Stall, Flaps Extended Best Climb Rate Best Climb Angle

V_{L/D}: Best Glide V_{fe}: Maximum, Flaps Extended V_a: Maximum, Maneuvering V_{ne}: Never Exceed

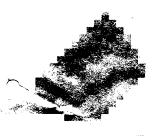
NOTE: Pre-1997 S-7 COURIER Vne: 120 mph IAS

*Speeds may vary according to conditions imposed by builder, owner and operator.

SHUTDOWN Electrical Equipment Magnetos Master OFF OFF

ENGINE FAILURE DURING TAKEOFF ROLL
Throttle CLOSE
Brakes APPLY
Flaps RETRACT
Magnetos OFF
Master Switch OFF

Speed 65 mph
Magnetos OFF
Master Switch OFF
Flaps AS REQUIRED



S-7 COURIER CHECKLISTS AND PROCEDURES*

,	Carin	
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OFF CHECK EXTEND Master Switch

Fuel Quantity Flaps

EXTERIOR	
Left Gear (tire, brake)	CHECK
Left Wing (fuel, strut, leading edge, pitot, aileron, flap)	CHECK
Fuselage (left side)	CHECK
Tail (rudder, elevator, cables, tab)	CHECK
Tail Wheel (tire, springs, cables)	CHECK
Fuselage (right side)	CHECK
Right Wing (flap, aileron, leading edge, strut, fuel)	CHECK
Right Gear (tire, brake)	CHECK
Engine (oil, hoses, wires, cables)	CHECK
Propeller (leading edges, spinner, hub)	CHECK
Cowl (openings, door)	CHECK
Fuel Sump	CHECK

ENGINE START Seat Shoulder & Lap Belts

Electrical Equipment

ADJUSTED & LOCKED
ADJUSTED & FASTENED
OFF
ON
OPEN
CLOSED
ON
APPLY
CLEAR
ENGAGE
ADJUST AS REQUIRED
CLOSE
CHECK

Electrical Equiping Magnetos Choke
Throttle Master Switch Brakes
Propeller Area Starter
Throttle
Choke
Oil Pressure

BEFORE TAXI Brakes

CHECK

CLOSED & LOCKED APPLY 3500 RPM CHECK CHECK CLOSE

BEFORE TAKEOFF
Doors
Brakes
Throttle
Magnetos
Engine Instruments
Throttle

^{*}Checklists should be amended to suit conditions imposed by builder, owner and operator.

BEFORE TAKEOFF (CONTINUED)
Flight Controls FREE & CORRECT
Flight Instruments SET
Radios SET
Trim SET
Traffic CHECK

NORMAL TAKEOFF

SECOND DETENT FULLY OPEN . 60 mph IAS 70 mph IAS Flaps Throttle Climb to 500' AGL Climb above 500' AGL

SHORT FIELD TAKEOFF Flaps Brakes SECOND DETENT APPLY FULLY OPEN RELEASE 50 mph IAS Throttle Brakes Climb over obstacles

CRUISE Throttle

5000-5400 RPM AS REQUIRED Trim

DESCENT Throttle

AS REQUIRED AS REQUIRED Trim

NORMAL LANDING

AS REQUIRED AS REQUIRED 65 mph 55 mph Throttle Flaps Speed, No Flaps Speed, Full Flaps

SHORT FIELD LANDING
Throttle
Flaps
Speed AS REQUIRED FULLY EXTENDED 50 mph

TOUCHDOWN. SHORT FIELD
Throttle CLOSED
Brakes APPLY AS REQUIRED
Flaps RETRACT

GO AROUND

Throttle Rate of Climb

FULLY OPEN
POSITIVE
65 mph
RETRACT INCREMENTALLY Speed Flaps