

TECHNICAL DESCRIPTION, OPERATING, MAINTENANCE AND REPAIR MANUAL

0.1 RECORD OF REVISION

[illegible]

0.2 LIST OF EFFECTIVE PAGES

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Powerplant instrument markings and their colour code significance are shown below:

Instrument	Unit	Red Line Minimum Limit	Green Arc Normal Operating	Yellow Arc Caution Range	Red Line Maximum Limit
Tachometer	RPM	1400	1800 - 5500	5500 - 5800	5800
Manifold pressure	inHg	-	10,0 – 35,4 ³	35,4 – 39,9 ³	39,9 ³
Oil temperature indicator	°C	50	90 - 110	50 - 90 110 - 130 ^{2,3} 110 - 140 ¹	140 ¹ 130 ^{2,3}
Coolant temperature indicator	°C	-	90 – 110	50 – 90 110 – 120	120
Cylinder head temperature indicator	°C	-	-	-	150 ¹ 135 ^{2,3}
Fuel pressure indicator	bar	0,15	0,20 - 0,35 ^{1,2} 0,25 – 0,75 ³	0,15 - 0,20 ^{1,2} 0,35 - 0,40 ^{1,2} 0,15 - 0,25 ³ 0,75-0,85 ³	0,40 ^{1,2} 0,85 ³
Oil pressure indicator	bar	0,8	2,0 - 5,0	0,8 - 2,0 5,0 - 7,0	7,0
Fuel quantity indicator	l	Red light annunciator will be illuminated with the remaining 7 litres of fuel in the fuel tank.			

1) Indication is valid for ROTAX 912 A/F/UL engine

2) Indication is valid for ROTAX 912 S/ULS engine

3) Indication is valid for ROTAX 914 F/UL engine

1.6.8.4. Avionics

The following avionics are mounted in the airplane: radios and intercom. This equipment must be connected with the headphones and with the antenna. The airplane might be equipped with other instruments (GPS, transponder, or board computer). The flight and navigation instruments are mounted as an option of the customer (but with respect to the weight limitation of the aircraft). Refer to the Manuals supplied with above mentioned instruments for right operation of the instruments and for more details.

1.6.8.5. Rescue system

The airplane can be equipped with parachute rescue system MAGNUM 601 S-LSA from the company STRATOS 07 spol. s r. o. as miscellaneous equipment. This rescue system is designed for the aircraft with maximum weight up to 620 kg and with maximum speed of using 157 knots. The area of parachute is 130 m². The descent rate with opened parachute is 7,0 m/sec. The container dimension is 430x210x250 mm and the total weight is 12,9 kg. Rocket motor is Magnum 600 A with total thrust pulse 0,539 kNs. The life time of the rescue system is 18 years with the repacking interval is 6 years.



Fig. 10. Rescue system MAGNUM 601 S-LSA