

Working Instruction "AW 17" Installation of Transponder Antennas AS sailplanes and motorglider

ASK 21

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Reference: TN No. 31

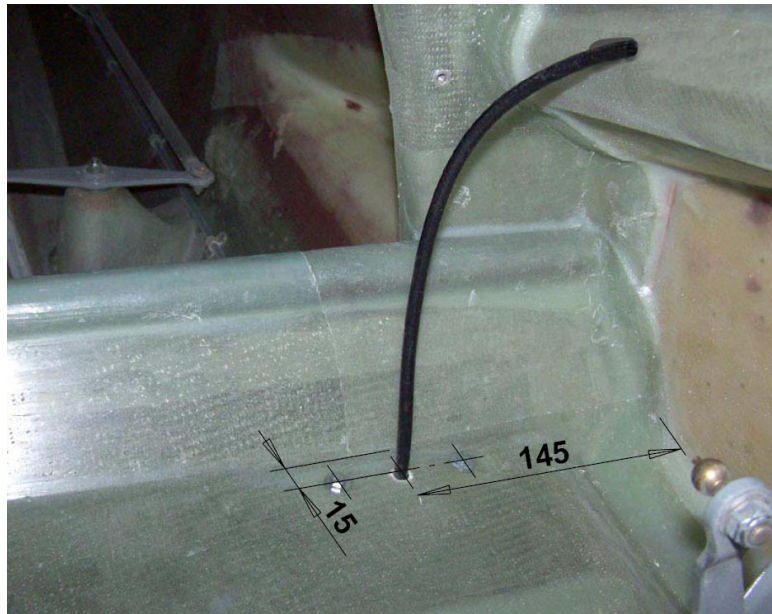
Mounting position inside the fuselage behind the landing gear under the intermediate bottom

Antennas	Rod Antenna 1030-1090 Becker or Aircraft-Spruce or GAV 105 Garrecht or AV-22 RAMI or similar antennas
Antenna cable	Aircell 7 about 4,60 m with specially designed solder plugs
Further parts	Installation kit „Transponderantenne ASK 21“ AS Part No. 210.71.1001
Mounting position	Under the intermediate bottom between the both cross tubes
Installation notes	<p>Through the access hole in the fuselage:</p> <p>Drill the holes for the fixing bolts and the cable in the intermediate bottom (see measurements on the photo).</p> <p>Pre-assemble antenna, ground plate and bracket. Solder the plugs on the end of the cable and connect the antenna. The other end of the cable stick through the center hole and pull through the complete cable. Fix the complete bracket on the bottom by using fixing bolts M5x20 (fitted from above) and washers Ø5/15-1. Secure bolts with Loctite 222.</p> <p>Mill a hole in the left channel and pull the cable through this channel to the front.</p> <p>Attention: in this channel there are further pressure tubes and cables. Mill the hole with utmost caution!</p> <p>Be sure that the installation of the antenna and the cable doesn't influence parts of the controls .</p>

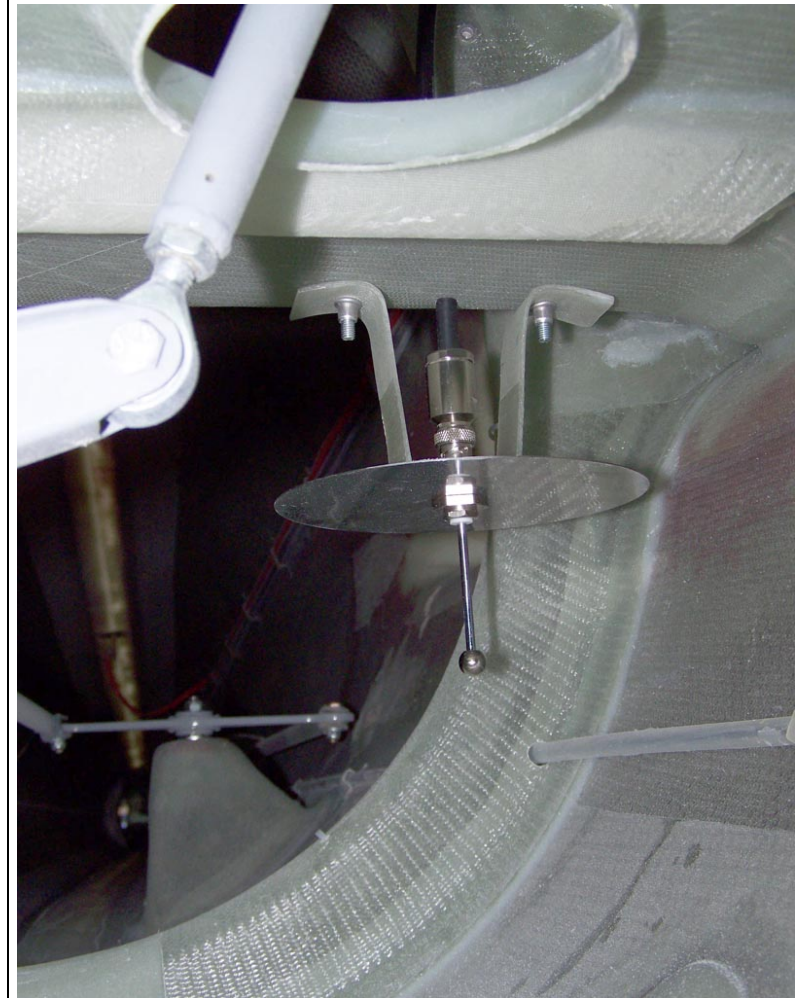
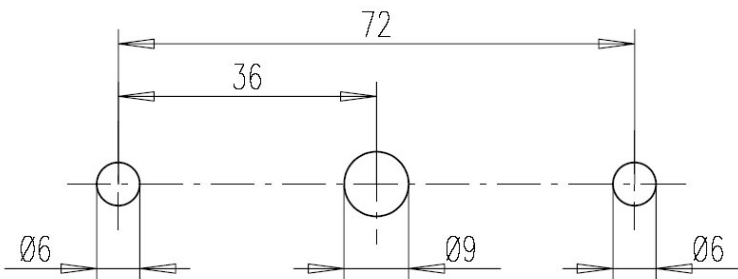
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Photos



Drilling scheme for the fixing bolts and the cable [mm]:



bracket, ground plate and antenna