

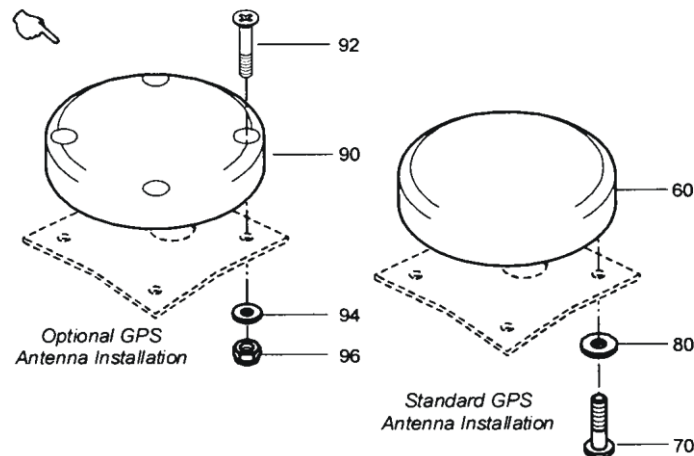
Subject: Repositioning of GPS antenna

Models Affected: G 115E, all S/N (as of S/N 82150 installation before delivery)

Time of Compliance: optional


Background Information: Better operation of the GPS can be achieved by repositioning the GPS antenna to the outer side of the fuselage.

Action: The following steps are to be taken:



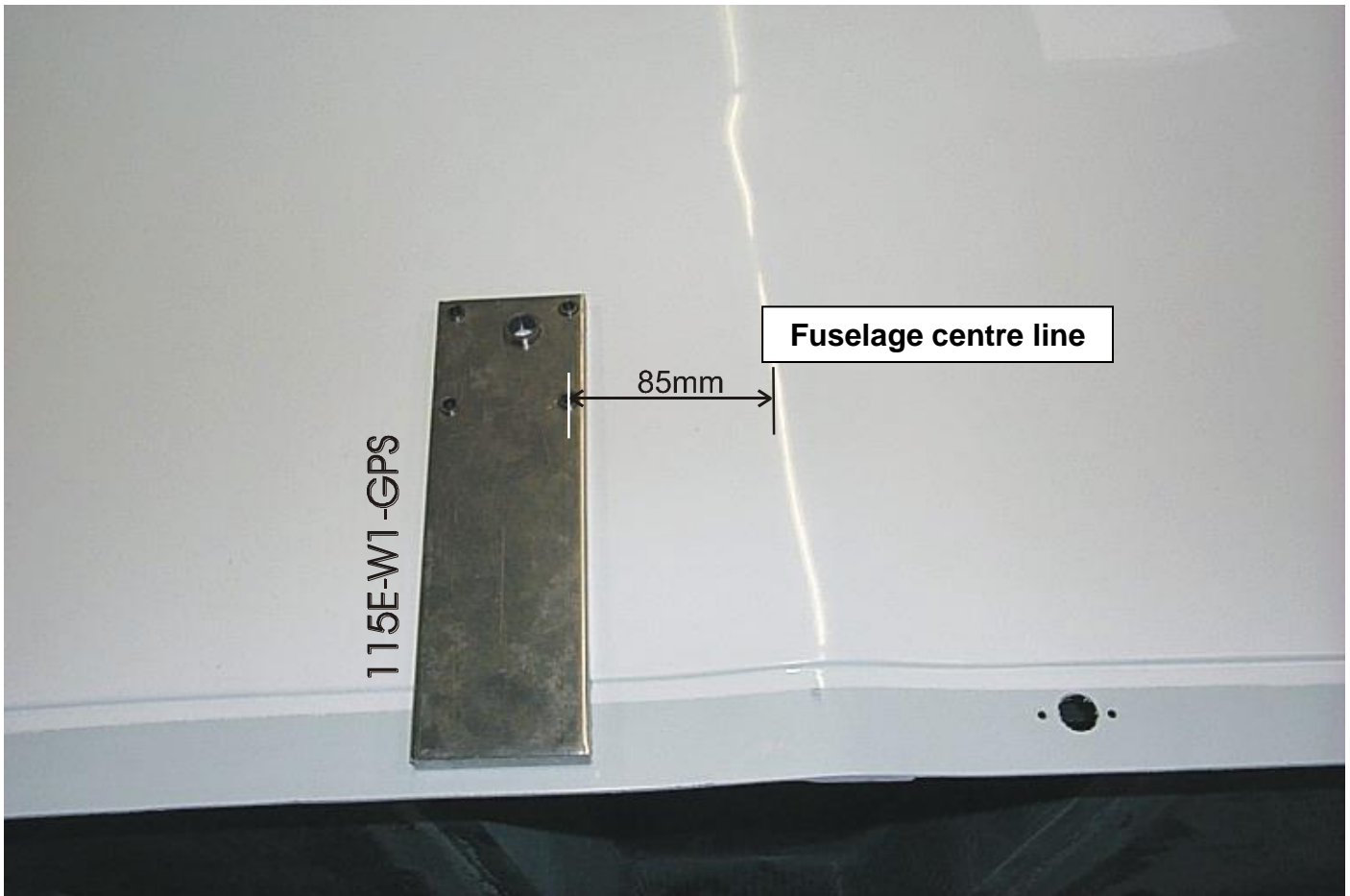
- pull left and right instrument panel forward IAW MM Chap. 31-10
- remove the GPS antenna and the co-axial cable IAW MM Chap. 34-50
- NOTE:** If antenna P/N AU 22522 (refer to Service Letter 115-4) or optional P/N FE22522 is already installed, antenna is required for reinstallation ! If antenna P/N ANP-C-114 is installed, return antenna and antenna cable to the manufacturer.
- close hole with cover plate P/N 115E-2930.20 reusing screws, washers and nuts (item 92, 94, 96)
- drill holes dia. 3.2 mm to the front of the windshield to the fuselage using drilling jig P/N 115E-W1-GPS (refer to pictures on page2) and enlarge centre hole carefully up to 25 mm
- CAUTION:** Pay attention that no swarf fall into the electrical installation behind the instrument panel!
- round the sharp edges
- install antenna P/N AU 22522 (item 90) or optional P/N FE22522 using new screws P/N DIN965M3x16-A2 (item 92), washers P/N DIN9021-3,2 (item 94) and nuts P/N LN9348-M3 (item 96)

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NOTE: Apply a small amount of sealant P/N 732 White (DOW Corning) under the screw head ! After antenna is fixed apply also a small amount of sealant around the antenna to the fuselage !

- install the new co-axial cable P/N RB09ERG142-X and connect it to antenna and GPS
- glue a swivel mount P/N ASMS-A-T to the fuselage in appropriate position using Araldite AW2014 or equivalent and tighten antenna cable using Ty-tap P/N TY242M
- reinstall left and right instrument panel IAW MM Chap. 31-10
- perform a functional test of the GPS



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Material:

Required material			
Item	P/N	Name	Qty.
1	AU 22522 or optional FE22522	Antenna	1
2	RB09ERG142-X(SMA/BNC) or RB09ERG142-X(BNC/BNC)	Co-axial cable	1
3	115E-2930.20	Cover plate	1
4	DIN965M3x16-A2	Screw	4
5	DIN9021-3,2	Washer	4
6	LN9348-M3	Nut	4
7	TY242M	Ty-rap	1
8	ASMS-A-T	Swivel mount	1
9	732 White (Dow Corning)	Sealant	AR
10	Adhesive	Araldite AW2014	AR

Tool: special tool: P/N 115E-W1-GPS, drilling jig

Weight and Balance: not affected

Remarks: The Maintenance Manual and the Illustrated Parts Catalogue will be amended during the next revision.

Contact: For questions and assistance please contact:

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Mattsies, 22 May 2001

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