

REPAIR INSTRUCTION REPARATURANWEISUNG

RI-GROB-003/16

1 Aircraft/Engines affected / Betroffene Flugzeuge/Flugmotoren

| Type | S/Ns |
|---------|------|
| G 109 | all |
| G 115 | all |
| G 120 | all |
| G 120TP | all |
| G 2500 | all |

2 Subject / Gegenstand

ATA-Code: n/a -

Repair Title: **Release of production documents for repair and overhaul**

Reparatur Titel: **Freigabe von Produktionsunterlagen zur Instandsetzung und Überholung.**

3 Introduction / Allgemeines

The Maintenance Organisation of Grob Aircraft requires approved documents for repair and overhaul of components. This Repair Instruction approves the use of the below-mentioned production documents for these purposes. Documents of subassemblies and parts listed in these documents are released with the component.

Der Instandhaltungsbetrieb von Grob Aircraft benötigt genehmigte Unterlagen für Instandsetzung und Überholung von Bauteilen. Diese Reparaturanleitung gibt die Verwendung der nachstehend aufgeführten Produktionsunterlagen für diese Zwecke frei. In diesen Unterlagen aufgeführte Dokumente von Unterbaugruppen und Bauteile sind mit dem Bauteil freigegeben.

4 Concurrent Documents / Mitgeltende Unterlagen

See appendix 1

Siehe Anhang 1

5 Approval Note / Genehmigungsvermerk

The technical content of this document has been approved under the authority of EASA Design Organisation Approval No. EASA.21J.030.

Die technischen Informationen in diesem Dokument sind im Rahmen der Privilegien des EASA Entwicklungsbetriebs Nr. EASA.21J.030 genehmigt.

The associated repair design has been approved under the authority of EASA Design Organisation Approval No. EASA.21J.030.

Die zugehörige Gestaltung der Reparatur wurde im Rahmen der Privilegien des EASA Entwicklungsbetriebs Nr. EASA.21J.030 genehmigt.

6 Limitations / Einschränkungen

This repair instruction is only valid for Grob Aircraft Maintenance Organisation DE.145.0072 and FAA Q8GY286Y

Diese Reparaturanleitung ist nur gültig für den Instandhaltungsbetrieb Grob Aircraft DE.145.0072 und FAA Q8GY286Y.

7 Repair Instruction / Reparaturanweisung

Use the production documents listed in Appendix 1 as basis for repair respectively overhaul. Use the latest revision.

Die im Anhang 1 aufgeführten Produktionsunterlagen sind als Grundlage für Instandsetzung beziehungsweise Überholung zu verwenden. Es ist die letztgültige Revision zu verwenden.

8 Weight and CG / Gewicht und Schwerpunktlagen

N/A

nicht verfügbar

9 Material and Availability / Material und Verfügbarkeit

N/A

nicht verfügbar

10 Special Tools / Spezialwerkzeuge

N/A

nicht verfügbar

11 Appendixes / Anlagen

List of released production documents

Liste der freigegebenen Produktionsunterlagen

12 Accomplishment / Durchführung

The instructions in paragraph 7 have to be accomplished and certified in the logbook by authorized staff:

- in EASA countries according to Part 66
- in non-EASA countries according to national regulations with respect to maintenance.

Die Anweisungen in Kapitel 7 sind durch autorisiertes Personal durchzuführen und im Bordbuch zu bestätigen:

- in EASA-Staaten gemäß Teil 66
- in nicht EASA-Staaten gemäss nationaler Vorschriften bezüglich Wartung

13 Contact

For questions and assistance please contact:

Für Rückfragen und Unterstützung wenden Sie sich bitte an:

Customer Support
phone: 49 (08268) 998-105
fax: 49 (08268) 998-200
e-mail: productsupport@grob-aircraft.com

| Document No. | Title |
|---------------------------|-----------------------------|
| 109-2000 | Rumpfwerk Strak |
| 109B-2000 | Rumpf |
| 109B-2611 | Flügeltür Links |
| 109B-2612 | Flügeltür Rechts |
| 109B-2800 | Spornbockeinbau |
| 109B-3100 | CFK Seitenruder |
| 109B-3500 | Horizontal Stabiliser |
| 109B-4121 | Lever L/H |
| 109B-4122 | Lever R/H |
| 109B-4350.23 | Bremszylinder |
| 109B-4363 | HR-Stange III |
| 115-1003.20 | Deckel |
| 115-4231 | Pedalsteuerung LH |
| 115-4232 | Pedalsteuerung RH |
| 115-5200/3 | Nose Landing Gear |
| 115-5225/1 | Flatterdämpfer |
| 115-6150 | Alternator |
| 115-9210 | Stall Warning Buzzer |
| 115-9211 | PTT Switch |
| 115C/D-9345 | Dimmer Unit |
| 115C-2804 | LK-Anzeige |
| 115C-2805 | LK-Verstellhebel |
| 115C-2807 | Zahnhebel |
| 115C-4266 | LK-Hebel 1 ZSB |
| 115C-4267 | Schwenkeleinheit QR/LK |
| 115C-4268 | Schwenkeleinheit QR/LK |
| 115C-4272 | Schwenkeleinheit LK 2 RE |
| 115C-4273 | Schwenkeleinheit LK 2 LI |
| 115C-4321/1 | Brake Cylinder Assy LH |
| 115C-4322/1 | Brake Cylinder Assy RH |
| 115C-5200 | Bugfahrwerk |
| 115C-5203 | NLG Torque Link |
| 115C-5220 | Lenkungsdämpfer |
| 115C-6401 | Schalldämpfer LI |

| Document No. | Title |
|--------------|--------------------------|
| 115C-6402 | Schalldämpfer RE |
| 115D-2257 | Seat Shell LH |
| 115D-2258 | Seat Shell RH |
| 115D-6258 | Tankwahlschalter ZSB |
| 115D-6616 | Air Filter Box |
| 115E-1111 | Aileron LH |
| 115E-1112 | Aileron RH |
| 115E-1261 | Flap LH |
| 115E-1262 | Flap RH |
| 115E-2600 | Canopy |
| 115E-2800 | Mittelkonsole |
| 115E-3100 | Rudder |
| 115E-3751 | Trim Tab Assy |
| 115E-3758 | Trim Tab Arm Assy |
| 115E-3761 | Elevator LH |
| 115E-3762 | Elevator RH |
| 115E-4223 | Pedal Adjuster |
| 115E-4234 | QR-Hebel 3 ZSB |
| 115E-4260 | Flap Drive Unit |
| 115E-4265 | Flap Motor |
| 115E-4336 | SR-Hebel |
| 115E-4338 | Lever Assy Elevator |
| 115E-4345 | NWS Lever |
| 115E-4450/3 | Elevator Trim Drive unit |
| 115E-5072/2 | Fairing MW RH |
| 115E-5073/2 | Fairing MW LH |
| 115E-5202/1 | Nose Leg Tube |
| 115E-5204 | Center Tube Assy |
| 115E-5205/1 | Flange Assy NLG |
| 115E-5271/1 | Fairing NW |
| 115E-5740 | Parking Brake Valve Assy |
| 115E-6031 | Support Bracket Assy |
| 115E-6090 | Engine Mount Frame |
| 115E-6150 | Alternator Assy |

| Document No. | Title |
|---------------|-----------------------------------|
| 115E-6150/1 | Alternator Assy |
| 115E-6150/2 | Alternator Assy |
| 115E-6225 | Fuel Pump Assy |
| 115E-6235 | Sump Tank Assy |
| 115E-7080 | Heating regulator |
| 115E-9368 5VE | Relay and Diode Board |
| 115E-9370 | Headset Cable |
| 115E-9410 | Stall Warning Buzzer |
| 115E-9411 | Cable Loom 10VB |
| 115E-9413 | Landing Light Cable |
| 115E-9415 | Damping Capacitor |
| 115E-9423 | Fuel Tank Connector Cable LH 23VB |
| 115E-9424 | Fuel Tank Connector Cable RH 24VB |
| 115E-9436 | Immersion Tube Sensor Cable 36VB |
| 115E-9460.01 | Flarm ON/OFF Switch |
| 115E-9460.02 | Flarm USB Adaptor Cable |
| 115E-9460.03 | Flarm GPS Antenna |
| 115E-9460.04 | Flarm Cable Loom |
| 115E-9460.05 | Flarm Coax Cable |
| 115E-9460.06 | Flarm Coax Cable |
| 115EG-7780 | Clock |
| 115EG-4321 | Brake Cylinder Assy LH |
| 115EG-4322 | Brake Cylinder Assy RH |
| 115TA-1001 | Wing LH |
| 115TA-1002 | Wing RH |
| 115TA-2630/1 | Canopy Lock ZSB |
| 115TA-2630/2 | Canopy Lock ZSB |
| 115TA-3601 | Elevator Assy LH |
| 115TA-3602 | Elevator Assy RH |
| 115TA-5101 | Main Gear Leg Installation LH |
| 115TA-5102 | Main Gear Leg Installation RH |
| 115TA-5205/1 | Nose Gear Leg Assy |
| 115TA-5304 | Brake Master Cylinder Assy |
| 115TA-6002 | Alternator |

| Document No. | Title |
|--------------|-----------------------|
| 115TA-6100 | Engine Mount |
| 120A-2552 | Landing Gear Door, RH |
| 120A-2600 | Canopy assy |
| 120A-3589 | Lever |
| 120A-4105 | Aileron Trim Actuator |
| 120A-4226 | Lever |
| 120A-4240 | Lever |
| 120A-4261/2 | Flap Actuator L/H |
| 120A-4262/2 | Flap Actuator R/H |
| 120A-4280 | Flap Drive Unit |
| 120A-4283 | Flap Actuator |
| 120A-5105A | Main Landing Gear L/H |
| 120A-5109 | Bracket RH |
| 120A-5184 | Damper Assy |
| 120A-5191 | Uplock Actuator RH |
| 120A-5192 | MLG-Actuator RH |
| 120A-5192A | MLG-Actuator RH |
| 120A-5193 | MLG-Actuator LH |
| 120A-5193A | MLG-Actuator LH |
| 120A-5205 | Nose Gear Leg Assy |
| 120A-5205A | Nose Gear Leg Assy |
| 120A-5222 | Bracket |
| 120A-5252 | Bracket Assy |
| 120A-5291 | NLG Actuator Up-Lock |
| 120A-5302 | Valve Parking Brake |
| 120A-5709 | Hydraulic Pump Assy |
| 120A-5764 | Flow Control Manifold |
| 120A-5780 | Uplock |
| 120A-6001 | Starter |
| 120A-6002 | Alternator |
| 120A-6002/1 | Alternator |
| 120A-6295 | Fuel Gauge Assy |
| 120A-6333 | Housing Air Inlet |
| 120A-6405 | Shroud, LH |

| Document No. | Title |
|----------------|--------------------------|
| 120A-7080 | Heating Regulator |
| 120A-7090 | Lift detector |
| 120A-7410 | Compressor AC |
| 120A-7410.01A | Compressor |
| 120A-7422A/1 | Outer Blower Assy |
| 120A-7425A/1 | Inner Blower Assy |
| 120A-9228 | Rudder Trim Switch |
| 120A-9370 | Cable Headset |
| 120A-940009A | Cable Loom 9VB |
| 120A-940010A | Cable Loom 10VB |
| 120A-940011A | Cable Loom 11VB |
| 120A-940012A | Cable Loom 12VB |
| 120A-940017A | Cable Loom 17VB |
| 120A-940021A | Cable Loom 21VB |
| 120A-940022A | Cable Loom 22VB |
| 120A-940024A | Cable Loom 24VB |
| 120A-940025A | Cable Loom 25VB |
| 120A-940026A | Cable Loom 26VB |
| 120A-940029A | Cable Loom 29VB |
| 120A-940031A | Cable Loom 31VB |
| 120A-940032A | Cable Loom 32VB |
| 120A-940033.2A | Cable Loom 33/2VB |
| 120A-940033.3A | Cable Loom 33/3VB |
| 120A-940037A | Cable Loom 37/1 – 37/3VB |
| 120A-940037.4A | Cable Loom 37/4VB |
| 120A-940038A | Cable Loom 38/1 – 38/3VB |
| 120A-940038.2A | Cable Loom 38/2VB |
| 120A-940040A | Cable Loom 40VB |
| 120A-940043A | Cable Loom 43VB |
| 120A-940044A | Cable Loom 44VB |
| 120A-940045A | Cable Loom 45VB |
| 120A-940050A | Cable Loom 50VB |
| 120A-940052A | Cable Loom 52VB |
| 120A-940054A | Cable Loom 54VB |

| Document No. | Title |
|----------------------|------------------------------|
| 120A-940056A | Cable Loom 56VB |
| 120A-940058A | Cable Loom 58VB |
| 120A-940060A | Cable Loom 60VB |
| 120A-940061A | Cable Loom 61VB |
| 120A-940070A | Cable Loom 70VB |
| 120A-940071A | Cable Loom 71VB |
| 120A-940072A | Cable Loom 72VB |
| 120A-940073A | Cable Loom 73VB |
| 120A-9401 | Suppresion Capacitor |
| 120A-9402 | Rudder Trim Actuator |
| 120A-9403 | GPS 18 Receiver/Antenna |
| 120A-9404 | Voltage Inverter |
| 120A-9421 | Blower |
| 120A-942100A | Adaptercable |
| 120A-912734 | Adaptorcable Trim Display |
| 120A-9433A | Aileron Trim Switch Assembly |
| 120A-9452 | DME N1/N2 Switch |
| 120A-9491.10 | Relay Diode Board |
| 120AF-9491.10 | Relay Diode Board |
| 120AI-4511 | Control Stick |
| 120AI-5192 | Actuator, Main Gear |
| 120AI-5205 | Nose gear assy |
| 120AI-5291 | Actuator, up-lock |
| 120AI-5292 | Nose Gear Actuator |
| 120AI-6100 | Engine Mount Frame |
| GS-120TP-302000-1 | Heated Air Intake |
| 2T-A-2153-4300-00/00 | Assy Blower Unit LH |
| 2T-A-2153-4400-00/00 | Assy Blower Unit RH |
| 2T-A-2473-1000-00/00 | Circuit Board 5VE |
| 2T-A-2473-1000-00/17 | Circuit Board 5VE |
| 2T-A-2510-0020-00/07 | Speaker Panel Assy |
| 2T-A-2510-0020-00/26 | Speaker Panel Assy |
| 2T-A-2510-0020-00/MD | Speaker Panel Assy |
| 2T-A-2510-0020-00/ME | Speaker Panel Assy |

| Document No. | Title |
|----------------------|----------------------------|
| 2T-A-2510-0020-00/MK | Speaker Panel Assy |
| 2T-A-2713-3000-00/03 | Aileron Lever Unit 2 |
| 2T-A-2723-1600-00/00 | Brake Actuator Assy |
| 2T-A-2723-1700-00/00 | Brake Actuator Assy |
| 2T-A-2723-1600-00/57 | Brake Actuator Assy LH |
| 2T-A-2723-1700-00/57 | Brake Actuator Assy RH |
| 2T-A-2723-3100-00/00 | Rudder Centering Unit |
| 2T-A-2723-3220-00/02 | Trim Actuator |
| 2T-A-2753-1000-00/00 | Flap Drive Unit Assy |
| 2T-A-2817-3000-00/00 | Tank Opening Assy |
| 2T-A-2824-2100-00/00 | Fuel Pump Assy |
| 2T-A-2824-4100-00/00 | Fuel Filter Assy |
| 2T-A-2824-7800-00/00 | Fuel Pump, Transfer |
| 2T-A-2913-9000-00/00 | Hydraulic Kit Pre-Assembly |
| 2T-A-3211-0000-00/00 | MLG Assy |
| 2T-A-3212-0000-00/00 | MLG Assy |
| 2T-A-3211-0000-00/57 | MLG Assy |
| 2T-A-3212-0000-00/57 | MLG Assy |
| 2T-A-3211-4000-00/74 | Damper |
| 2T-A-3215-0000-00/00 | MLG Door Assy LH |
| 2T-A-3216-0000-00/00 | MLG Door Assy RH |
| 2T-A-3221-1100-00/00 | NLG Leg Assy |
| 2T-A-3221-1100-00/74 | NLG Leg Assy |
| 2T-A-3221-4000-00/00 | NLG Door Assy LH |
| 2T-A-3221-4000-00/00 | NLG Door Assy RH |
| 2T-A-3243-1500-00/00 | Parking Brake Assy |
| 2T-A-3243-1500-00/57 | Parking Brake Assy |
| 2T-A-3243-5000-00/00 | Brake Assy LH |
| 2T-A-3243-6000-00/00 | Brake Assy RH |
| 2T-A-3243-5000-00/57 | Brake Assy LH |
| 2T-A-3243-6000-00/57 | Brake Assy RH |
| 2T-A-3253-1000-00/00 | NLG Lever Assy |
| 2T-A-3313-1200-00/00 | Dimmer 11LG Assy |
| 2T-A-3347-1100-00/00 | Landing Light Assy LH |

| Document No. | Title |
|----------------------|----------------------------|
| 2T-A-3347-1200-00/00 | Landing Light Assy RH |
| 2T-A-3423-2100-00/00 | Altimeter |
| 2T-A-3423-2100-00/35 | Altimeter Revue Thommen |
| 2T-A-3423-2200-00/00 | Turn / Slip Indicator |
| 2T-A-3423-2200-00/34 | Turn / Slip Indicator |
| 2T-A-3423-2300-00/00 | Vertical Speed Indicator |
| 2T-A-3423-2400-00/00 | Standby Airspeed Indicator |
| 2T-A-3423-2400-00/74 | Standby Airspeed Indicator |
| 2T-A-3423-2500-00/08 | Standby Airspeed Indicator |
| 2T-A-3423-2500-00/74 | Standby Airspeed Indicator |
| 2T-A-3500-0300-00/07 | Oxygen Panel Install. |
| 2T-A-3614-2000-00/00 | Bleed shut-off valve assy |
| 2T-A-5211-1000-00/00 | Canopy Mechanical Assy |
| 2T-A-5211-1000-00/69 | Canopy Mechanics Assy |
| 2T-A-5211-1000-00/71 | Canopy Mechanical Assy |
| 2T-A-5411-1240-00/25 | Latch LH |
| 2T-A-5411-1340-00/25 | Latch RH |
| 2T-A-5751-0000-00/00 | Flap LH assy |
| 2T-A-5752-0000-00/00 | Flap RH assy |
| 2T-A-5761-0000-00/00 | Aileron Assy LH |
| 2T-A-5762-0000-00/00 | Aileron Assy RH |
| 2T-A-5731-0000-00/00 | Winglet Assy LH |
| 2T-A-5732-0000-00/00 | Winglet Assy RH |
| 2T-A-5521-0000-00/00 | Elevator LH assy |
| 2T-A-5522-0000-00/00 | Elevator RH assy |
| 2T-A-5521-2000-00/00 | Elev. Trim Tab assy LH |
| 2T-A-5522-2000-00/00 | Elev. Trim Tab assy RH |
| 2T-A-5540-0000-00/00 | Rudder assy |
| 2T-A-5551-0000-00/00 | Dorsal Fin |
| 2T-A-5552-0000-00/00 | Ventral Fin Assy |
| 2T-A-5552-0000-00/79 | Ventral Fin Assy |
| 2T-A-7200-4000-00/00 | Shuttle Valve Assy |
| 2T-A-7813-1000-00/00 | Augmentor Assy LH |
| 2T-A-7814-1000-00/00 | Augmentor Assy RH |

| Document No. | Title |
|-----------------------|---|
| 2T-A-7921-1000-00/00 | Oil Cooler Assy |
| 2T-A-7921-5001-00/00 | Check Valve 2 psi |
| 2T-R-7921-5001-00/00 | Check Vale 2 psi |
| 2T-A-7921-5002-00/00 | Check Valve 7 psi |
| 2T-A-9003-7216-00/94 | FLARM (AT-1) Cable Loom |
| 2T-A-9004-1410-00/00 | Cable Loom 17VB |
| 2T-A-9007-2120-00/00 | Cable Loom 38/1VB |
| GS-115-315000 | Central Advisory and Warning System, Display- and Computer Unit |
| GS-GROB-282000 | Duplex Combo-Unit |
| GS283001-01 | Vent Relief Safety Valve |
| GS290001-54-01 | Pressure Switch |
| GS291002 | Emergency Accumulator |
| GS312004 | Engine Instruments |
| GS313001-01-01-0 | Recorder Unit |
| GS323001/0003-F | Hydraulic Supply Manifold |
| GS323001/A | Hydraulic Supply Manifold |
| GS323004-01 | Emergency Extension Valve |
| GS323004-02 | Emergency Extension Valve |
| GS323008/1 | Uplock Actuator |
| GS323010 | Shuttle Valve, Rev F |
| GS330001-1 | Dimmer |
| GS513033-869A-12BT-30 | Check Valve |
| GS733002-1 | Fuel Qty. Transmitter |
| LA6C5M/3 (115E-6401) | Muffler |