**Working instruction No. 1 for TN 1000-27**

**Installation of fuel pressure regulator Solo 2300884 (Bosch 0280160557 with bracket from Solo)**

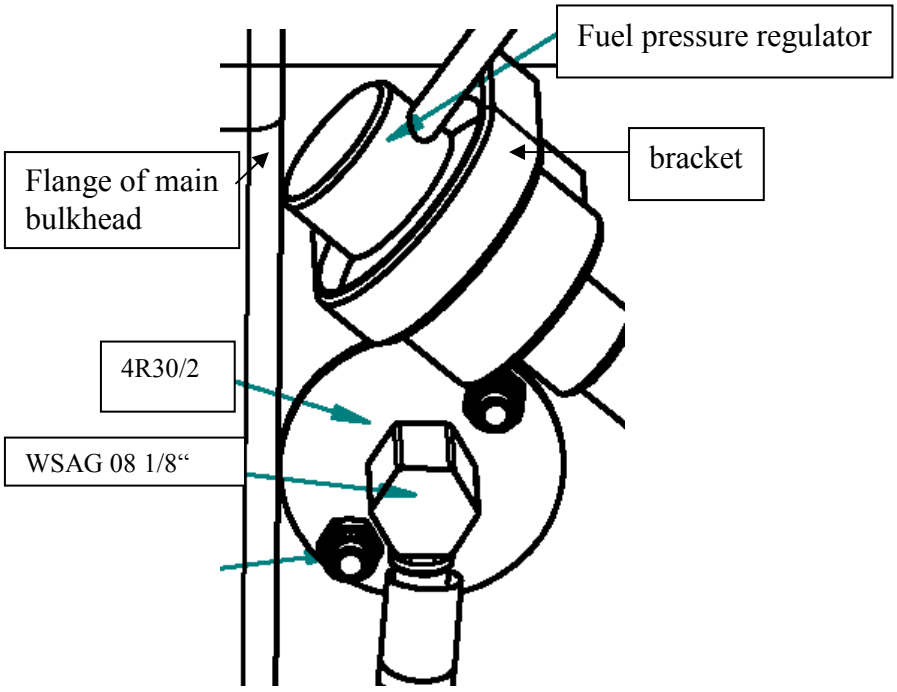
1. Remove baggage compartment floors and rear wall.
2. Extend powerplant approx. 45°.
3. Remove fuel lines from fuel pressure regulator and bracket 10R265 (see diagram 10 MM), work from baggage compartment and from engine bay side.
4. Remove existing (defective) fuel pressure regulator Pierburg 7.21476.50.0 with bracket 10R265.
5. Cut out pattern for the new mounting points for the fuel pressure regulator out of drawing 10R222A1. Mark the 2 points. Drill holes with dia. 5,5 mm. Marking and drilling is done best from the engine bay side.
6. Close the holes no more in use with Aluminium tape at the engine bay side.
7. Fix the new fuel pressure regulator with 2 bolts M5x12 DIN933-8 zn and 2 washers 6,4 DIN125 St zn. Secure bolts with Loctite 243.
8. Replace the fuel line from the fuel pressure regulator to the fuel tank by a longer line with length 700 mm (fuel hose 7,5x13,5 DIN 73379-2A).
9. Install fuel lines to the fuel pressure regulator.
10. Perform engine test run, check if engine runs smoothly at all speeds.

**Warning:** Never perform a test run without wings installed.

11. Re-install baggage compartment floors and rear wall.

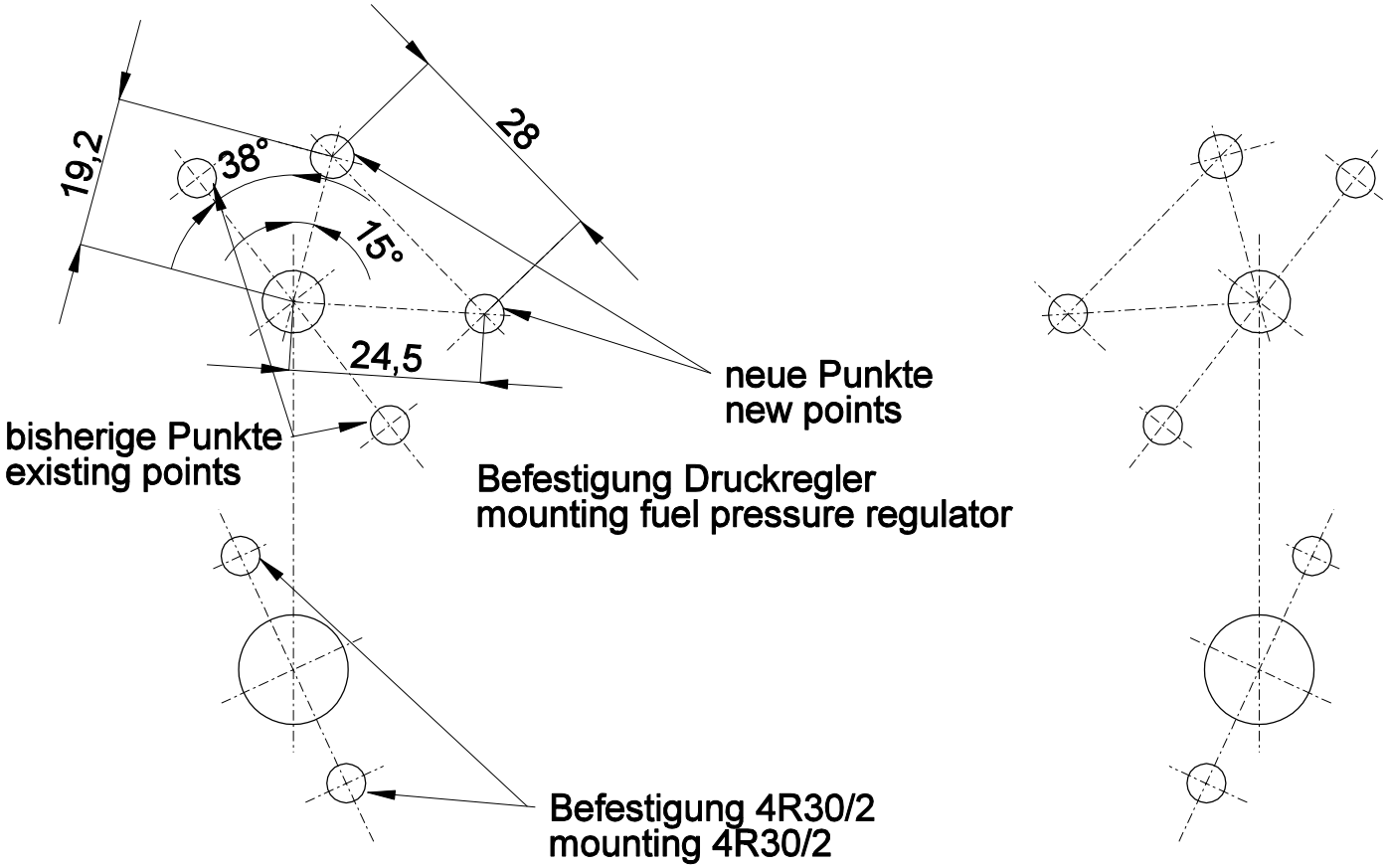
Material list

| quantity | designation |
|---|---|
| 1 | fuel pressure regulator Solo 2300884 (Bosch 0280160557 with bracket from Solo) |
| 1 | drawing 10R222A1 |
| 2 | bolt M5x12 DIN933-8 zn |
| 2 | washer 6,4 DIN125 St zn |
| | Loctite 243 and Aluminium tape |




**Installation of fuel pressure regulator, view from the front**

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Schablone zum Bohren der Befestigungspunkte für den neuen Druckregler
pattern to drill the mounting holes for the new fuel pressure regulator

100

# Mounting points for fuel pressure regulator TN1000/27

| | | | | |
|---|---|---|---|---|
| Toleranzen nach Arbeitsanweisung BA 1 | | | | |
| Schweißen nach Arbeitsanweisung SA 1 | | | | |
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| | | | | |
| | | | | |
| Ausg. | Änderung | ÄM | Tag | Name |

| | Tag | Name |
|---|---|---|
| Gez. | 22.07.15 | W. Dirks |
| Gepr. | | |
| Norm. | | |

Maßstab : :

Maße ohne Toleranz-ang. nach:

DG-1000M
Befestigungspunkte
Druckregler
TM1000/27

DG
Flugzeugbau GmbH
76646 Bruchsal
Otto-Lilienthal-Weg 2

10R222A1