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SB-GA8-2011-66
Issue 61

OPTIONAL

Service Bulletin

Subject:

- Part A: Increased Gross Weight (1905 kg) Modifications.
- Part B: Increased Gross Weight (1905 kg) and Landing Weight (1860kg) Modifications.
- Part C: Removal of Part A and Part B.

Applicability:

Table 1: Part A Applicability

| GA8 SERIAL NUMBER(s) |
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| <p style="text-align: center;">This Service Bulletin is applicable to all GA8 aircraft with S/No. GA8-01-006 and above.</p> <p style="text-align: center;">Written authorisation to install this optional service bulletin must be obtained from GippsAero before installation.</p> <p style="text-align: center;">The following S/No. are authorised** by this Service Bulletin:</p> <p>GA8-01-006, GA8-01-007, GA8-02-012, GA8-02-014, GA8-02-017, GA8-02-022, GA8-02-023, GA8-03-029, GA8-03-032, GA8-03-034, GA8-03-035, GA8-03-039, GA8-03-040, GA8-04-044, GA8-04-045, GA8-04-047, GA8-04-048, GA8-04-053, GA8-04-055, GA8-04-057, GA8-04-063, GA8-04-065, GA8-04-067, GA8-04-071, GA8-05-073, GA8-05-078, GA8-05-079, GA8-05-083, GA8-05-086, GA8-05-089, GA8-05-090, GA8-05-091, GA8-05-092, GA8-05-096, GA8-06-097, GA8-06-098, GA8-06-100, GA8-06-102, GA8-06-104, GA8-06-105, GA8-06-107, GA8-06-108, GA8-07-109, GA8-07-111, GA8-07-113, GA8-07-114, GA8-07-116, GA8-07-117, GA8-07-118, GA8-07-119, GA8-07-123, GA8-07-124, GA8-07-127, GA8-08-129, GA8-08-132, GA8-08-133, GA8-08-136, GA8-08-138, GA8-08-139, GA8-08-141, GA8-08-142, GA8-08-143, GA8-11-147, GA8-TC 320-09-145*, GA8-09-148, GA8-TC 320-10-154*, GA8-TC 320-10-155*, GA8-11-160, GA8-TC 320-11-164*, GA8-11-170, GA8-12-171, GA8-12-176, GA8-12-179, GA8-12-180, GA8-12-184, GA8-13-190, GA8-13-193, GA8-13-194, GA8-13-195, GA8-13-196, GA8-14-202, GA8-14-203, GA8-14-204, GA8-14-206, GA8-15-208, GA8-15-210, GA8-15-211, GA8-15-212, GA8-15-216, GA8-15-217, GA8-15-219, GA8-15-220, GA8-15-221, GA8-15-222, GA8-15-223, GA8-16-225, GA8-16-226, GA8-16-231, GA8-16-233, GA8-16-235, GA8-16-236, GA8-16-237, GA8-17-244, GA8-18-248.</p> |

* While converted to normally aspirated GA8 model.

** For Issue 59 and onwards, an authorisation letter from GippsAero allowing the installation of this Service Bulletin to the aircraft serial number is required for new installations unless the aircraft S/No. is listed in the table above.

Table 2: Part B Applicability

| GA8 SERIAL NUMBER(s) |
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| <p>This Service Bulletin is applicable to all GA8 aircraft with S/No. GA8-01-006 and above.</p> <p>Written authorisation to install this optional service bulletin must be obtained from GippsAero before installation.</p> <p>The following S/No. are authorised## by this Service Bulletin: GA8-01-006, GA8-01-007, GA8-02-017, GA8-02-022, GA8-03-034, GA8-03-040, GA8-04-045, GA8-04-047, GA8-04-048, GA8-04-057, GA8-04-063, GA8-04-065, GA8-05-073, GA8-05-086, GA8-06-100, GA8-06-102, GA8-06-105, GA8-06-108, GA8-07-113, GA8-07-116, GA8-07-117, GA8-07-119, GA8-07-127, GA8-08-129, GA8-08-136, GA8-08-139, GA8-08-142, GA8-TC 320-09-145#, GA8-TC 320-10-154#, GA8-TC 320-10-155#, GA8-TC 320-11-164#, GA8-11-170, GA8-12-176, GA8-12-184, GA8-13-196, GA8-14-206, GA8-15-223, GA8-16-236, GA8-17-244, GA8-18-248.</p> |

While converted to normally aspirated GA8 model

For Issue 59 and onwards, an authorisation letter from GippsAero allowing the installation of this Service Bulletin to the aircraft serial number is required for new installations unless the aircraft S/No. is listed in the table above.

NOTE:

Part B is only applicable to aircraft that already have the IGW Modification of Part A of this Service Bulletin (or modified up to Issue 37 of this Service Bulletin) incorporated. It is acceptable to incorporate Part A and Part B simultaneously.

Amendments:

- Issue 51 GA8-12-184 added to Part B. Ref GAE12#2728
- Issue 52 GA8-04-057, GA8-06-105 and GA8-17-244 added to Part B. Ref GAE12#2759
- Issue 53 GA8-01-007 and GA8-04-048 added to Part B. Ref GAE12#2761
- Issue 54 GA8-04-065, GA8-06-100, GA8-07-117, GA8-08-129, GA8-TC 320-09-145, GA8-TC 320-10-154 and GA8-TC 320-10-155 added to Part B. Ref GAE12#2764
- Issue 55 GA8-05-073, GA8-05-086, GA8-07-113 added to Part B. Ref GAE12#2765
- Issue 56 GA8-02-022 and GA8-04-063 added to Part B. Ref GAE12#2767.
- Issue 57 GA8-08-139 added to Part B. Ref GAE12#2769.
- Issue 58 GA8-TC 320-11-164 added to Parts A and B applicability. Ref GAE12#2771.
- Issue 59 GA8-04-045 added to Parts A and B applicability. Format updated. Ref GAE11#2803.
- Issue 60 Part C added. Ref GAE11#2811.
- Issue 61 Part A revised to include modifications to powerplant controls and limitations. Ref GAE11#2822.

Background:

GippsAero have completed two separate projects to increase design weight limits on GA8 model aircraft. The first project approves an increase in maximum take-off weight from 1814 kg (4000 lb) to 1905 kg (4200 lb). Part A of this Service Bulletin details the modifications required to operate above the original maximum aircraft weight.

For aircraft that incorporate Part A of this Service Bulletin, the second project approves an increase in landing from 1814 kg (4000 lb) to 1860 kg (4100 lb). Part B of this Service Bulletin details the increased landing weight modification.

Part C of this Service Bulletin provides approved data to return the aircraft to the standard gross weight configuration. Doing Part C changes the aircraft configuration so that it no longer incorporates Part A or Part B of this Service Bulletin.