

## Service Bulletin

**Service Bulletin No. / Date:** TM TAE 000-0007, Revision 34 / July 18, 2016  
**Subject:** Variants and Software Versions  
**Type affected:** TAE 125-01, TAE 125-02-99, TAE 125-02-114, CENTURION 4.0 BE  
**Models affected:** all  
**Compliance:** Category 5 – for information only  
**Accomplishment:** none  
**Reason:** Publication of the different Variants and the current Software Versions  
**Correction:**

### Engine Variants

| TAE 125-01                                                    |                |              |                     |                 |
|---------------------------------------------------------------|----------------|--------------|---------------------|-----------------|
| Installation Variant<br>Part Number                           | Engine Variant | Power Rating |                     |                 |
|                                                               |                | Take-Off     | Max. Cont.<br>Power | Best<br>Economy |
| Cessna 172 – 14V<br>125-01-(006)-(R5)<br>P/N: 02-7200-14006R5 | TAE 125-01     | 99 kW        | 99 kW               | 71 kW           |
| Cessna 172 – 28V<br>125-01-(008)-(R5)<br>P/N: 02-7200-14008R5 |                |              |                     |                 |
| Piper PA28 – 14V<br>125-01-(009)-(R5)<br>P/N: 02-7200-14009R5 |                |              |                     |                 |
| Piper PA28 – 28V<br>125-01-(010)-(R5)<br>P/N: 02-7200-14010R5 |                |              |                     |                 |
| APEX DR400<br>125-01-(011)-(R5)<br>P/N: 02-7200-14011R5       |                |              |                     |                 |
| Diamond DA40<br>125-01-(005)-(R5)<br>P/N: 02-7200-14005R5     |                |              |                     |                 |
| Diamond DA42<br>125-01-(017)-(R1)<br>P/N: 02-7200-14017R1     |                |              |                     |                 |
|                                                               |                |              |                     |                 |
|                                                               |                |              |                     |                 |
|                                                               |                |              |                     |                 |

Table 1

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| TAE 125-02-99                                                                                                                                                                                                                                           |                                  |              |                     |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|---------------------|-----------------|
| Installation Variant<br>Part Number                                                                                                                                                                                                                     | Engine Variant –<br>Power Rating | Power Rating |                     |                 |
|                                                                                                                                                                                                                                                         |                                  | Take-Off     | Max. Cont.<br>Power | Best<br>Economy |
| <b>Cessna 172 – 14V</b><br><b>TAE 125-02-99-(0007)-(01)</b><br><b>P/N: 05-7200-K000701</b><br>consists of<br>Engine P/N 05-7200-M000701,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB | TAE 125-02-99                    | 99 kW        | 99 kW               | 71 kW           |
| <b>Cessna 172 – 14V</b><br><b>TAE 125-02-99-(0007)-(02)</b><br><b>P/N: 05-7200-K000702</b><br>consists of<br>Engine P/N 05-7200-M000702,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |
| <b>Cessna 172 – 28V</b><br><b>TAE 125-02-99-(0002)-(01)</b><br><b>P/N: 05-7200-K000201</b><br>consists of<br>Engine P/N 05-7200-M000201,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |
| <b>Cessna 172 – 28V</b><br><b>TAE 125-02-99-(0002)-(02)</b><br><b>P/N: 05-7200-K000202</b><br>consists of<br>Engine P/N 05-7200-M000202,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |

Table 2

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| TAE 125-02-99 (continuation)                                                                                                                                                                                                                            |                                  |              |                     |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|---------------------|-----------------|
| Installation Variant<br>Part Number                                                                                                                                                                                                                     | Engine Variant –<br>Power Rating | Power Rating |                     |                 |
|                                                                                                                                                                                                                                                         |                                  | Take-Off     | Max. Cont.<br>Power | Best<br>Economy |
| <b>Piper PA28 – 14V</b><br><b>TAE 125-02-99-(0009)-(01)</b><br><b>P/N: 05-7200-K000901</b><br>consists of<br>Engine P/N 05-7200-M000901,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB | TAE 125-02-99                    | 99 kW        | 99 kW               | 71 kW           |
| <b>Piper PA28 – 14V</b><br><b>TAE 125-02-99-(0009)-(02)</b><br><b>P/N: 05-7200-K000902</b><br>consists of<br>Engine P/N 05-7200-M000902,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |
| <b>Piper PA28 – 28V</b><br><b>TAE 125-02-99-(0011)-(01)</b><br><b>P/N: 05-7200-K001101</b><br>consists of<br>Engine P/N 05-7200-M001101,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |
| <b>Piper PA28 – 28V</b><br><b>TAE 125-02-99-(0011)-(02)</b><br><b>P/N: 05-7200-K001102</b><br>consists of<br>Engine P/N 05-7200-M001102,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |

Table 3

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| TAE 125-02-99 (continuation)                                                                                                                                                                                                                        |                                  |              |                     |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|---------------------|-----------------|
| Installation Variant<br>Part Number                                                                                                                                                                                                                 | Engine Variant –<br>Power Rating | Power Rating |                     |                 |
|                                                                                                                                                                                                                                                     |                                  | Take-Off     | Max. Cont.<br>Power | Best<br>Economy |
| <b>APEX DR400</b><br><b>TAE 125-02-99-(0013)-(01)</b><br><b>P/N: 05-7200-K001301</b><br>consists of<br>Engine P/N 05-7200-M001301,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB   | TAE 125-02-99                    | 99 kW        | 99 kW               | 71 kW           |
| <b>APEX DR400</b><br><b>TAE 125-02-99-(0013)-(02)</b><br><b>P/N: 05-7200-K001302</b><br>consists of<br>Engine P/N 05-7200-M001302,<br>FADEC P/N 05-7611-K000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB   |                                  |              |                     |                 |
| <b>Diamond DA40</b><br><b>TAE 125-02-99-(0001)-(01)</b><br><b>P/N: 05-7200-K000101</b><br>consists of<br>Engine P/N 05-7200-M000101,<br>FADEC P/N 05-7610-E000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |
| <b>Diamond DA40</b><br><b>TAE 125-02-99-(0001)-(02)</b><br><b>P/N: 05-7200-K000102</b><br>consists of<br>Engine P/N 05-7200-M000102,<br>FADEC P/N 05-7610-E000102 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |

Table 4

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| TAE 125-02-99 (continuation)                                                                                                                                                                                                                        |                                  |              |                     |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|---------------------|-----------------|
| Installation Variant<br>Part Number                                                                                                                                                                                                                 | Engine Variant –<br>Power Rating | Power Rating |                     |                 |
|                                                                                                                                                                                                                                                     |                                  | Take-Off     | Max. Cont.<br>Power | Best<br>Economy |
| <b>Diamond DA42</b><br><b>TAE 125-02-99-(0003)-(01)</b><br><b>P/N: 05-7200-K000301</b><br>consists of<br>Engine P/N 05-7200-M000301,<br>FADEC P/N 05-7610-E000201 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB | TAE 125-02-99                    | 99 kW        | 99 kW               | 71 kW           |
| <b>Diamond DA42</b><br><b>TAE 125-02-99-(0003)-(02)</b><br><b>P/N: 05-7200-K000302</b><br>consists of<br>Engine P/N 05-7200-M000302,<br>FADEC P/N 05-7610-E000201 and<br>approved Firmware and Mapping in<br>accordance with Table 10-15 of this SB |                                  |              |                     |                 |

Table 5

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| TAE 125-02-114                                                               |                                  |              |                     |                 |
|------------------------------------------------------------------------------|----------------------------------|--------------|---------------------|-----------------|
| Installation Variant<br>Part Number                                          | Engine Variant –<br>Power Rating | Power Rating |                     |                 |
|                                                                              |                                  | Take-Off     | Max. Cont.<br>Power | Best<br>Economy |
| Cessna 172 – 14V<br>TAE 125-02-114-(0008)-(01)<br>P/N: 05-7200-K000801       | TAE 125-02-114                   | 114 kW       | 114 kW              | 97 kW           |
| Cessna 172 – 14V<br>TAE 125-02-114-(0008)-(02)<br>P/N: 05-7200-K000802       |                                  |              |                     |                 |
| Cessna 172 – 28V<br>TAE 125-02-114-(0005)-(01)<br>P/N: 05-7200-K000501       |                                  |              |                     |                 |
| Cessna 172 – 28V<br>TAE 125-02-114-(0005)-(02)<br>P/N: 05-7200-K000502       |                                  |              |                     |                 |
| Cessna 172 – 28V G1000<br>TAE 125-02-114-(0017)-(01)<br>P/N: 05-7200-K001701 |                                  |              |                     |                 |
| Cessna 172 – 28V G1000<br>TAE 125-02-114-(0017)-(02)<br>P/N: 05-7200-K001702 |                                  |              |                     |                 |
| Piper PA28 – 14V<br>TAE 125-02-114-(0010)-(01)<br>P/N: 05-7200-K001001       |                                  |              |                     |                 |
| Piper PA28 – 14V<br>TAE 125-02-114-(0010)-(02)<br>P/N: 05-7200-K001002       |                                  |              |                     |                 |
| Piper PA28 – 28V<br>TAE 125-02-114-(0012)-(01)<br>P/N: 05-7200-K001201       |                                  |              |                     |                 |
| Piper PA28 – 28V<br>TAE 125-02-114-(0012)-(02)<br>P/N: 05-7200-K001202       |                                  |              |                     |                 |
| Piper PA28 – 28V<br>TAE 125-02-114-(0020)-(01)<br>P/N: 05-7200-K002001       |                                  |              |                     |                 |
| Piper PA28 – 28V<br>TAE 125-02-114-(0020)-(02)<br>P/N: 05-7200-K002002       |                                  |              |                     |                 |

Table 6

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| TAE 125-02-114                                                             |                                  |              |                     |                 |
|----------------------------------------------------------------------------|----------------------------------|--------------|---------------------|-----------------|
| Installation Variant<br>Part Number                                        | Engine Variant –<br>Power Rating | Power Rating |                     |                 |
|                                                                            |                                  | Take-Off     | Max. Cont.<br>Power | Best<br>Economy |
| APEX DR400<br>TAE 125-02-114-(0014)-(01)<br>P/N: 05-7200-K001401           | TAE 125-02-114                   | 114 kW       | 114 kW              | 97 kW           |
| APEX DR400<br>TAE 125-02-114-(0014)-(02)<br>P/N: 05-7200-K001402           |                                  |              |                     |                 |
| Diamond DA40 – C2.0S<br>TAE 125-02-114-(0018)-(01)<br>P/N: 05-7200-K001801 |                                  |              |                     |                 |
| Diamond DA40 – C2.0S<br>TAE 125-02-114-(0018)-(02)<br>P/N: 05-7200-K001802 |                                  |              |                     |                 |
| Diamond DA42<br>TAE 125-02-114-(0006)-(01)<br>P/N: 05-7200-K000601         |                                  |              |                     |                 |
| Diamond DA42<br>TAE 125-02-114-(0006)-(02)<br>P/N: 05-7200-K000602         |                                  |              |                     |                 |
|                                                                            |                                  |              |                     |                 |
|                                                                            |                                  |              |                     |                 |
|                                                                            |                                  |              |                     |                 |
|                                                                            |                                  |              |                     |                 |

Table 7

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| CENTURION 4.0 BE                    |                                  |                        |                     |                 |
|-------------------------------------|----------------------------------|------------------------|---------------------|-----------------|
| Installation Variant<br>Part Number | Engine Variant –<br>Power Rating | Power Rating           |                     |                 |
|                                     |                                  | Take-Off               | Max. Cont.<br>Power | Best<br>Economy |
| Centurion 4.0 BE-210-()-()          | CENTURION 4.0 BE-210             | 210 kW                 | 210 kW              | 154 kW          |
| Centurion 4.0 BE-221-()-()          | CENTURION 4.0 BE-221             | 221 kW                 | 221 kW              | 154 kW          |
| Centurion 4.0 BE-228-()-()          | CENTURION 4.0 BE-228             | 228 kW                 | 228 kW              | 154 kW          |
| Centurion 4.0 BE-239-()-()          | CENTURION 4.0 BE-239             | 239 kW<br>(max. 5 min) | 228 kW              | 154 kW          |
| Centurion 4.0 BE-250-()-()          | CENTURION 4.0 BE-250             | 250 kW<br>(max. 5 min) | 228 kW              | 154 kW          |
| Centurion 4.0 BE-257-()-()          | CENTURION 4.0 BE-257             | 257 kW<br>(max. 5 min) | 243 kW              | 154 kW          |

Table 8



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### Software Versions

| TAE 125-01                                                       |                |                |                  |                 |
|------------------------------------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                                                         | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| TAE-125 m2.91<br>(Compression: 18:1)<br><br>P/N 02-7610-55101R10 | Cessna 172     | 14V            | T14V291CES       | 20-7610-55104R8 |
|                                                                  | Cessna 172     | 14V            | T14V292CES       | 20-7610-55104R9 |
|                                                                  | Cessna 172     | 28V            | T28V291CES       | 20-7610-55105R6 |
|                                                                  | Cessna 172     | 28V            | T28V292CES       | 20-7610-55105R7 |
|                                                                  | Piper PA28     | 14V            | T14V291PIP       | 40-7610-55106R8 |
|                                                                  | Piper PA28     | 14V            | T14V292PIP       | 40-7610-55106R9 |
|                                                                  | Piper PA28     | 28V            | T28V291PIP       | 40-7610-55107R6 |
|                                                                  | Piper PA28     | 28V            | T28V292PIP       | 40-7610-55107R7 |
|                                                                  | Apex DR400     | 14 V           | T14V291APEX      | 60-7610-55106R8 |
|                                                                  | Apex DR400     | 14 V           | T14V292APEX      | 60-7610-55106R9 |
|                                                                  | Diamond DA40   | 14 V           | T14V291DIA       | 50-7610-55105R8 |
|                                                                  | Diamond DA40   | 14 V           | T14V292DIA       | 50-7610-55105R9 |
|                                                                  | Diamond DA42   | 28 V           | R28V291DIA       | 50-7610-55107R4 |
|                                                                  | Diamond DA42   | 28 V           | R28V292DIA       | 50-7610-55107R5 |

Table 9

| TAE 125-02-99                             |                |                |                  |                 |
|-------------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                                  | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| TAE-125 m2.91<br><br>P/N 02-7610-55101R10 | Cessna 172     | 14V            | O14V294CES       | 20-7610-E000108 |
|                                           | Cessna 172     | 28V            | O28V294CES       | 20-7610-E001108 |
|                                           | Piper PA28     | 14V            | O14V294PIP       | 40-7610-E000108 |
|                                           | Piper PA28     | 28V            | O28V294PIP       | 40-7610-E001108 |
|                                           | Apex DR400     | 14 V           | O14V294APEX      | 60-7610-E000108 |
|                                           | Diamond DA40   | 14 V           | O14V294DA40      | 50-7610-E000108 |
|                                           | Diamond DA42   | 28 V           | O28V294DA42      | 52-7610-E000503 |

Table 10



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|---------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                              | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| TAE-125 m3.00<br>P/N 02-7610-55101R11 | Cessna 172     | 14V            | O14V300CES       | 20-7610-E000109 |
|                                       | Cessna 172     | 14V            | O14V301CES       | 20-7610-E000110 |
|                                       | Cessna 172     | 14V            | O14V302CES       | 20-7610-E000111 |
|                                       | Cessna 172     | 28V            | O28V300CES       | 20-7610-E001109 |
|                                       | Cessna 172     | 28V            | O28V301CES       | 20-7610-E001110 |
|                                       | Cessna 172     | 28V            | O28V302CES       | 20-7610-E001111 |
|                                       | Piper PA28     | 14V            | O14V300PIP       | 40-7610-E000109 |
|                                       | Piper PA28     | 14V            | O14V301PIP       | 40-7610-E000110 |
|                                       | Piper PA28     | 14V            | O14V302PIP       | 40-7610-E000111 |
|                                       | Piper PA28     | 28V            | O28V300PIP       | 40-7610-E001109 |
|                                       | Piper PA28     | 28V            | O28V301PIP       | 40-7610-E001110 |
|                                       | Piper PA28     | 28V            | O28V302PIP       | 40-7610-E001111 |
|                                       | Apex DR400     | 14 V           | O14V300APEX      | 60-7610-E000109 |
|                                       | Apex DR400     | 14 V           | O14V301APEX      | 60-7610-E000110 |
|                                       | Apex DR400     | 14 V           | O14V302APEX      | 60-7610-E000111 |
|                                       | Diamond DA40   | 14 V           | O14V300DA40      | 50-7610-E000109 |
|                                       | Diamond DA40   | 14 V           | O14V301DA40      | 50-7610-E000110 |
|                                       | Diamond DA40   | 14 V           | O14V302DA40      | 50-7610-E000111 |
|                                       | Diamond DA42   | 28 V           | O28V300DA42      | 52-7610-E000504 |
|                                       | Diamond DA42   | 28 V           | O28V301DA42      | 52-7610-E000505 |
|                                       | Diamond DA42   | 28 V           | O28V302DA42      | 52-7610-E000506 |

Table 11



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|---------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                              | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| TAE-125 m3.10<br>P/N 02-7610-55101R12 | Cessna 172     | 14V            | O14C311CES       | 20-7610-E000113 |
|                                       | Cessna 172     | 14V            | O14C312CES       | 20-7610-E000115 |
|                                       | Cessna 172     | 14V            | O14C313CES       | 20-7610-E000116 |
|                                       | Cessna 172     | 14V            | O14D311CES       | 20-7610-E000114 |
|                                       | Cessna 172     | 28V            | O28C311CES       | 20-7610-E001113 |
|                                       | Cessna 172     | 28V            | O28C312CES       | 20-7610-E001115 |
|                                       | Cessna 172     | 28V            | O28C313CES       | 20-7610-E001116 |
|                                       | Cessna 172     | 28V            | O28D311CES       | 20-7610-E001114 |
|                                       | Piper PA28     | 14V            | O14C311PIP       | 40-7610-E000113 |
|                                       | Piper PA28     | 14V            | O14C312PIP       | 40-7610-E000115 |
|                                       | Piper PA28     | 14V            | O14C313PIP       | 40-7610-E000116 |
|                                       | Piper PA28     | 14V            | O14D311PIP       | 40-7610-E000114 |
|                                       | Piper PA28     | 28V            | O28C311PIP       | 40-7610-E001113 |
|                                       | Piper PA28     | 28V            | O28C312PIP       | 40-7610-E001115 |
|                                       | Piper PA28     | 28V            | O28C313PIP       | 40-7610-E001116 |
|                                       | Piper PA28     | 28V            | O28D311PIP       | 40-7610-E001114 |
|                                       | Apex DR400     | 14 V           | O14C311APEX      | 60-7610-E000113 |
|                                       | Apex DR400     | 14 V           | O14C312APEX      | 60-7610-E000115 |
|                                       | Apex DR400     | 14 V           | O14C313APEX      | 60-7610-E000116 |
|                                       | Apex DR400     | 14 V           | O14D311APEX      | 60-7610-E000114 |
|                                       | Diamond DA40   | 14 V           | O14C311DA40      | 50-7610-E000113 |
|                                       | Diamond DA40   | 14 V           | O14C313DA40      | 50-7610-E000115 |
|                                       | Diamond DA40   | 14 V           | O14D311DA40      | 50-7610-E000114 |
|                                       | Diamond DA42   | 28 V           | O28C311DA42      | 52-7610-E000508 |
|                                       | Diamond DA42   | 28 V           | O28D311DA42      | 52-7610-E000509 |

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| TAE 125-02-99 (continuation)                        |                |                |                  |                 |
|-----------------------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                                            | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| <b>TAE-125 m3.20</b><br><b>P/N 02-7610-55101R13</b> | Cessna 172     | 14V            | O14D320CES       | 20-7610-E010101 |
|                                                     | Cessna 172     | 28V            | O28D320CES       | 20-7610-E011101 |
|                                                     | Piper PA28     | 14V            | O14D320PIP       | 40-7610-E010101 |
|                                                     | Piper PA28     | 28V            | O28D320PIP       | 40-7610-E011101 |
|                                                     | Apex DR400     | 14 V           | O14D320APEX      | 60-7610-E010101 |
|                                                     | Diamond DA40   | 14 V           | O14D320DA40      | 50-7610-E010101 |
|                                                     | Diamond DA42   | 28 V           | O28D320DA42      | 52-7610-E010501 |
| <b>TAE-125 m3.30</b><br><b>P/N 02-7610-55101R14</b> | Cessna 172     | 14V            | O14D330CES       | 20-7610-E020101 |
|                                                     | Cessna 172     | 14V            | O14D331CES       | 20-7610-E020102 |
|                                                     | Cessna 172     | 28V            | O28D330CES       | 20-7610-E021101 |
|                                                     | Cessna 172     | 28V            | O28D331CES       | 20-7610-E021102 |
|                                                     | Piper PA28     | 14V            | O14D330PIP       | 40-7610-E020101 |
|                                                     | Piper PA28     | 14V            | O14D331PIP       | 40-7610-E020102 |
|                                                     | Piper PA28     | 28V            | O28D330PIP       | 40-7610-E021101 |
|                                                     | Piper PA28     | 28V            | O28D331PIP       | 40-7610-E021102 |
|                                                     | Apex DR400     | 14 V           | O14D330APEX      | 60-7610-E020101 |
|                                                     | Apex DR400     | 14 V           | O14D331APEX      | 60-7610-E020102 |
|                                                     | Diamond DA40   | 14 V           | O14D330DA40      | 50-7610-E020101 |
|                                                     | Diamond DA40   | 14 V           | O14D331DA40      | 50-7610-E020102 |
|                                                     | Diamond DA42   | 28 V           | O28D330DA42      | 52-7610-E020501 |

Table 13



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| TAE 125-02-99 (continuation)        |                |                |                  |                 |
|-------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                            | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| D4-v1.30<br><br>P/N 05-7610-E001002 | Cessna 172     | 14 V           | F14C130CES       | 20-7610-E002201 |
|                                     | Cessna 172     | 14 V           | F14C131CES       | 20-7610-E002202 |
|                                     | Cessna 172     | 14 V           | F14C132CES       | 20-7610-E002203 |
|                                     | Cessna 172     | 14 V           | F14D130CES       | 20-7610-E002101 |
|                                     | Cessna 172     | 28 V           | F28C130CES       | 20-7610-E003201 |
|                                     | Cessna 172     | 28 V           | F28C131CES       | 20-7610-E003202 |
|                                     | Cessna 172     | 28 V           | F28C132CES       | 20-7610-E003203 |
|                                     | Cessna 172     | 28 V           | F28D130CES       | 20-7610-E003101 |
|                                     | Piper PA28     | 14 V           | F14C130PIP       | 40-7610-E002201 |
|                                     | Piper PA28     | 14 V           | F14C131PIP       | 40-7610-E002202 |
|                                     | Piper PA28     | 14 V           | F14C132PIP       | 40-7610-E002203 |
|                                     | Piper PA28     | 14 V           | F14D130PIP       | 40-7610-E002101 |
|                                     | Piper PA28     | 28 V           | F28C130PIP       | 40-7610-E003201 |
|                                     | Piper PA28     | 28 V           | F28C131PIP       | 40-7610-E003202 |
|                                     | Piper PA28     | 28 V           | F28C132PIP       | 40-7610-E003203 |
|                                     | Piper PA28     | 28 V           | F28D130PIP       | 40-7610-E003101 |
|                                     | Apex DR400     | 14 V           | F14C130APEX      | 60-7610-E002201 |
|                                     | Apex DR400     | 14 V           | F14C132APEX      | 60-7610-E002202 |
|                                     | Apex DR400     | 14 V           | F14D130APEX      | 60-7610-E002101 |
|                                     | Diamond DA40   | 14 V           | F14C130DA40      | 50-7610-E002201 |
|                                     | Diamond DA40   | 14 V           | F14C132DA40      | 50-7610-E002202 |
|                                     | Diamond DA40   | 14 V           | F14D130DA40      | 50-7610-E002101 |
|                                     | Diamond DA42   | 28 V           | F28C130DA42      | 52-7610-E002201 |
|                                     | Diamond DA42   | 28 V           | F28C132DA42      | 52-7610-E002202 |
|                                     | Diamond DA42   | 28 V           | F28D130DA42      | 52-7610-E002101 |

Table 14



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| TAE 125-02-99 (continuation)        |                |                |                  |                 |
|-------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                            | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| D4-v1.40<br><br>P/N 05-7610-E001003 | Cessna 172     | 14 V           | F14D140CES       | 20-7610-E012101 |
|                                     | Cessna 172     | 14 V           | F14D141CES       | 20-7610-E012102 |
|                                     | Cessna 172     | 14 V           | F14D142CES       | 20-7610-E012103 |
|                                     | Cessna 172     | 28 V           | F28D140CES       | 20-7610-E013101 |
|                                     | Cessna 172     | 28 V           | F28D141CES       | 20-7610-E013102 |
|                                     | Cessna 172     | 28 V           | F28D142CES       | 20-7610-E013103 |
|                                     | Piper PA28     | 14 V           | F14D140PIP       | 40-7610-E012101 |
|                                     | Piper PA28     | 14 V           | F14D142PIP       | 40-7610-E012102 |
|                                     | Piper PA28     | 28 V           | F28D140PIP       | 40-7610-E013101 |
|                                     | Piper PA28     | 28 V           | F28D142PIP       | 40-7610-E013102 |
|                                     | Apex DR400     | 14 V           | F14D140APEX      | 60-7610-E012101 |
|                                     | Apex DR400     | 14 V           | F14D142APEX      | 60-7610-E012102 |
|                                     | Diamond DA40   | 14 V           | F14D140DA40      | 50-7610-E012101 |
|                                     | Diamond DA40   | 14 V           | F14D142DA40      | 50-7610-E012102 |
|                                     | Diamond DA42   | 28 V           | F28D140DA42      | 52-7610-E012101 |
|                                     | Diamond DA42   | 28 V           | F28D142DA42      | 52-7610-E012102 |

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| TAE 125-02-114                        |                |                |                  |                 |
|---------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                              | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| TAE-125 m3.00<br>P/N 02-7610-55101R11 | Cessna 172     | 14 V           | P14V300CES       | 20-7610-E002005 |
|                                       | Cessna 172     | 14 V           | P14V301CES       | 20-7610-E002006 |
|                                       | Cessna 172     | 14 V           | P14V302CES       | 20-7610-E002007 |
|                                       | Cessna 172     | 28 V           | P28V300CES       | 20-7610-E003005 |
|                                       | Cessna 172     | 28 V           | P28V301CES       | 20-7610-E003006 |
|                                       | Cessna 172     | 28 V           | P28V302CES       | 20-7610-E003007 |
|                                       | Piper PA28     | 14 V           | P14V301PIP       | 40-7610-E002006 |
|                                       | Piper PA28     | 28 V           | P28V301PIP       | 40-7610-E003006 |
|                                       | Piper PA28     | 28 V           | P28V302PIP       | 40-7610-E003007 |
|                                       | Apex DR400     | 14 V           | P14V300APEX      | 60-7610-E002005 |
|                                       | Apex DR400     | 14 V           | P14V301APEX      | 60-7610-E002006 |
|                                       | Apex DR400     | 14 V           | P14V302APEX      | 60-7610-E002007 |
|                                       | Diamond DA40   | 14 V           | P14V300DA40      | 50-7610-E002005 |
|                                       | Diamond DA40   | 14 V           | P14V301DA40      | 50-7610-E002006 |
|                                       | Diamond DA40   | 14 V           | P14V302DA40      | 50-7610-E002007 |

Table 16



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| TAE 125-02-114 (continuation)         |                |                |                  |                 |
|---------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                              | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| TAE-125 m3.10<br>P/N 02-7610-55101R12 | Cessna 172     | 14 V           | P14C311CES       | 20-7610-E002009 |
|                                       | Cessna 172     | 14 V           | P14C312CES       | 20-7610-E002011 |
|                                       | Cessna 172     | 14 V           | P14C313CES       | 20-7610-E002012 |
|                                       | Cessna 172     | 14 V           | P14D311CES       | 20-7610-E002010 |
|                                       | Cessna 172     | 28 V           | P28C311CES       | 20-7610-E003009 |
|                                       | Cessna 172     | 28 V           | P28C312CES       | 20-7610-E003011 |
|                                       | Cessna 172     | 28 V           | P28C313CES       | 20-7610-E003012 |
|                                       | Cessna 172     | 28 V           | P28D311CES       | 20-7610-E003010 |
|                                       | Piper PA28     | 14 V           | P14C311PIP       | 40-7610-E002009 |
|                                       | Piper PA28     | 14 V           | P14C312PIP       | 40-7610-E002011 |
|                                       | Piper PA28     | 14 V           | P14C313PIP       | 40-7610-E002012 |
|                                       | Piper PA28     | 14 V           | P14D311PIP       | 40-7610-E002010 |
|                                       | Piper PA28     | 28 V           | P28C311PIP       | 40-7610-E003009 |
|                                       | Piper PA28     | 28 V           | P28C312PIP       | 40-7610-E003011 |
|                                       | Piper PA28     | 28 V           | P28C313PIP       | 40-7610-E003012 |
|                                       | Piper PA28     | 28 V           | P28D311PIP       | 40-7610-E003010 |
|                                       | Apex DR400     | 14 V           | P14C311APEX      | 60-7610-E002009 |
|                                       | Apex DR400     | 14 V           | P14C313APEX      | 60-7610-E002012 |
|                                       | Apex DR400     | 14 V           | P14D311APEX      | 60-7610-E002010 |
|                                       | Diamond DA40   | 14 V           | P14C311DA40      | 50-7610-E002009 |
|                                       | Diamond DA40   | 14 V           | P14C312DA40      | 50-7610-E002011 |
|                                       | Diamond DA40   | 14 V           | P14C313DA40      | 50-7610-E002012 |
|                                       | Diamond DA40   | 14 V           | P14D311DA40      | 50-7610-E002010 |

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|---------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                              | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| TAE-125 m3.20<br>P/N 02-7610-55101R13 | Cessna 172     | 14V            | P14D320CES       | 20-7610-E012001 |
|                                       | Cessna 172     | 28V            | P28D320CES       | 20-7610-E013001 |
|                                       | Piper PA28     | 14V            | P14D320PIP       | 40-7610-E012001 |
|                                       | Piper PA28     | 28V            | P28D320PIP       | 40-7610-E013001 |
|                                       | Apex DR400     | 14 V           | P14D320APEX      | 60-7610-E012001 |
|                                       | Diamond DA40   | 14 V           | P14D320DA40      | 50-7610-E012001 |
| TAE-125 m3.30<br>P/N 02-7610-55101R14 | Cessna 172     | 14V            | P14D330CES       | 20-7610-E022001 |
|                                       | Cessna 172     | 14V            | P14D331CES       | 20-7610-E022002 |
|                                       | Cessna 172     | 28V            | P28D330CES       | 20-7610-E023001 |
|                                       | Cessna 172     | 28V            | P28D331CES       | 20-7610-E023002 |
|                                       | Piper PA28     | 14V            | P14D330PIP       | 40-7610-E022001 |
|                                       | Piper PA28     | 14V            | P14D331PIP       | 40-7610-E022002 |
|                                       | Piper PA28     | 28V            | P28D330PIP       | 40-7610-E023001 |
|                                       | Piper PA28     | 28V            | P28D331PIP       | 40-7610-E023002 |
|                                       | Apex DR400     | 14 V           | P14D330APEX      | 60-7610-E022001 |
|                                       | Apex DR400     | 14 V           | P14D331APEX      | 60-7610-E022002 |
|                                       | Diamond DA40   | 14 V           | P14D330DA40      | 50-7610-E022001 |
|                                       | Diamond DA40   | 14 V           | P14D331DA40      | 50-7610-E022002 |

Table 18



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| TAE 125-02-114 (continuation)       |                |                |                  |                 |
|-------------------------------------|----------------|----------------|------------------|-----------------|
| Firmware                            | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| D4-v1.30<br><br>P/N 05-7610-E001002 | Cessna 172     | 14 V           | G14C130CES       | 20-7610-E002401 |
|                                     | Cessna 172     | 14 V           | G14C131CES       | 20-7610-E002402 |
|                                     | Cessna 172     | 14 V           | G14C132CES       | 20-7610-E002403 |
|                                     | Cessna 172     | 14 V           | G14D130CES       | 20-7610-E002301 |
|                                     | Cessna 172     | 28 V           | G28C130CES       | 20-7610-E003401 |
|                                     | Cessna 172     | 28 V           | G28C131CES       | 20-7610-E003402 |
|                                     | Cessna 172     | 28 V           | G28C132CES       | 20-7610-E003403 |
|                                     | Cessna 172     | 28 V           | G28D130CES       | 20-7610-E003301 |
|                                     | Piper PA28     | 14 V           | G14C130PIP       | 40-7610-E002401 |
|                                     | Piper PA28     | 14 V           | G14C131PIP       | 40-7610-E002402 |
|                                     | Piper PA28     | 14 V           | G14C132PIP       | 40-7610-E002403 |
|                                     | Piper PA28     | 14 V           | G14D130PIP       | 40-7610-E002301 |
|                                     | Piper PA28     | 28 V           | G28C130PIP       | 40-7610-E003401 |
|                                     | Piper PA28     | 28 V           | G28C131PIP       | 40-7610-E003402 |
|                                     | Piper PA28     | 28 V           | G28C132PIP       | 40-7610-E003403 |
|                                     | Piper PA28     | 28 V           | G28D130PIP       | 40-7610-E003301 |
|                                     | Apex DR400     | 14 V           | G14C130APEX      | 60-7610-E002401 |
|                                     | Apex DR400     | 14 V           | G14C132APEX      | 60-7610-E002402 |
|                                     | Apex DR400     | 14 V           | G14D130APEX      | 60-7610-E002301 |
|                                     | Diamond DA40   | 14 V           | G14C130DA40      | 50-7610-E002401 |
|                                     | Diamond DA40   | 14 V           | G14C131DA40      | 50-7610-E002402 |
|                                     | Diamond DA40   | 14 V           | G14C132DA40      | 50-7610-E002403 |
|                                     | Diamond DA40   | 14 V           | G14D130DA40      | 50-7610-E002301 |
|                                     | Diamond DA42   | 28 V           | G28D130DA42      | 52-7610-E002601 |

Table 19



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|---------------------------------|-----------------|----------------|------------------|-----------------|
| Firmware                        | Aircraft Model  | Electr. System | Software Mapping | Part Number     |
| D4-v1.40<br>P/N 05-7610-E001003 | Cessna 172      | 14 V           | G14D140CES       | 20-7610-E012301 |
|                                 | Cessna 172      | 14 V           | G14D142CES       | 20-7610-E012302 |
|                                 | Cessna 172      | 28 V           | G28D140CES       | 20-7610-E013301 |
|                                 | Cessna 172      | 28 V           | G28D142CES       | 20-7610-E013302 |
|                                 | Piper PA28      | 14 V           | G14D140PIP       | 40-7610-E012301 |
|                                 | Piper PA28      | 14 V           | G14D142PIP       | 40-7610-E012302 |
|                                 | Piper PA28      | 28 V           | G28D140PIP       | 40-7610-E013301 |
|                                 | Piper PA28      | 28 V           | G28D142PIP       | 40-7610-E013302 |
|                                 | Piper PA28 AIII | 28 V           | G28D140QA3       | 40-7610-E113301 |
|                                 | Piper PA28 AIII | 28 V           | G28D142QA3       | 40-7610-E113302 |
|                                 | Apex DR400      | 14 V           | G14D140APEX      | 60-7610-E012301 |
|                                 | Apex DR400      | 14 V           | G14D142APEX      | 60-7610-E012302 |
|                                 | Diamond DA40    | 14 V           | G14D140DA40      | 50-7610-E012301 |
|                                 | Diamond DA40    | 14 V           | G14D142DA40      | 50-7610-E012302 |
|                                 | Diamond DA42    | 28 V           | G28D140DA42      | 52-7610-E012601 |
|                                 | Diamond DA42    | 28 V           | G28D142DA42      | 52-7610-E012602 |

Table 20

| CENTURION 4.0 BE-210 |                |                |                  |                 |
|----------------------|----------------|----------------|------------------|-----------------|
| Firmware             | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| C4.0V2.80            |                | 28 V           | A28V280B         | 03-7610-E552101 |

Table 21

| CENTURION 4.0 BE-221 |                |                |                  |                 |
|----------------------|----------------|----------------|------------------|-----------------|
| Firmware             | Aircraft Model | Electr. System | Software Mapping | Partnumber      |
| C4.0V2.80            |                | 28 V           | B28V280B         | 03-7610-E552201 |

Table 22

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| CENTURION 4.0 BE-228 |                |                |                  |                 |
|----------------------|----------------|----------------|------------------|-----------------|
| Firmware             | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| C4.0V2.80            |                | 28 V           | C28V280B         | 03-7610-E552301 |

Table 23

| CENTURION 4.0 BE-239 |                |                |                  |                 |
|----------------------|----------------|----------------|------------------|-----------------|
| Firmware             | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| C4.0V2.80            |                | 28 V           | D28V280B         | 03-7610-E552401 |

Table 24

| CENTURION 4.0 BE-250 |                |                |                  |                 |
|----------------------|----------------|----------------|------------------|-----------------|
| Firmware             | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| C4.0V2.80            |                | 28 V           | E28V280B         | 03-7610-E552501 |

Table 25

| CENTURION 4.0 BE-257 |                |                |                  |                 |
|----------------------|----------------|----------------|------------------|-----------------|
| Firmware             | Aircraft Model | Electr. System | Software Mapping | Part Number     |
| C4.0V2.80            |                | 28 V           | F28V280B         | 03-7610-E552601 |

Table 26

**Remarks:**

- Installation of a new software in accordance with the appropriate Operation & Maintenance Manual (OM-02-01, OM-02-02 or OM-03-01).
- At the change of the Power Rating the type plate must be exchanged in accordance with the appropriate Repair Manual.
- The above mentioned Power Variants and Software Mappings of the Centurion 4.0 BE were approved as Major Change with the No. EASA.E.C.01378.

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**Parts:**

| Part Number     | Description                                | Qty |
|-----------------|--------------------------------------------|-----|
| 02-7230-02117R1 | Type Plate TAE 125-01                      | 1   |
| 02-7230-02118R1 | Grooved Drive Stud (Type Plate TAE 125-01) | 4   |
| 05-7221-K003302 | Type Plate TAE 125-02-99                   | 1   |
| 05-7221-K008502 | Type Plate TAE 125-02-114                  | 1   |
| NM-0000-0034301 | Grooved Drive Stud (Type Plate TAE 125-02) | 4   |
| 03-7311-K003301 | Type Plate Centurion 4.0 BE-210            | 1   |
| 03-7311-K003401 | Type Plate Centurion 4.0 BE-221            | 1   |
| 03-7311-K003501 | Type Plate Centurion 4.0 BE-228            | 1   |
| 03-7311-K003601 | Type Plate Centurion 4.0 BE-239            | 1   |
| 03-7311-K003701 | Type Plate Centurion 4.0 BE-250            | 1   |
| 03-7311-K003801 | Type Plate Centurion 4.0 BE-257            | 1   |
| NM-0000-0115001 | Screw                                      | 2   |

**Approval:**

*The technical information contained in this document have been approved under the authority of EASA Design Organisation Approval No. EASA.21J.010.*