

E4.00.10 List of applicable publications (LOAP)

updated: 12.Dez.2017

| Doc. No. | Title | Initial Issue | Revision - Date | S/N affected (SB / SI) | Remarks |
|--|--|---------------|-----------------|------------------------|----------------------|
| Manuals | | | | | |
| E4.01.01 | Operation Manual E4 (OM) | | 20 15.Nov.2016 | | |
| E4.01.02 | Operation Manual E4P (OM) | | 1 15.Nov.2016 | | |
| E4.02.01 | Installation Manual E4 Series (IM) | | 21 28.Apr.2016 | | |
| E4.08.04 | Maintenance Manual (MM) | | 27 23.Feb.2017 | | |
| E4.08.16 | Repair Manual Gearbox | | 0 05.Mar.2014 | | |
| E4.12.01 | Overhaul Manual E4 (OHM) | | 3 14.Jul.2015 | | |
| E4.12.02 | Overhaul Manual Gearbox (OHMG) | | 0 31.Oct.2014 | | |
| Manuals - Valid temporary revisions | | | | | |
| OM-TR-MDC-E4-377a | Engine Oil | | - 18.Jan.2017 | | Model E4 and E4P |
| IM-TR-MDC-E4-376a | Fuel System Requirements | | - 06.Jul.2016 | | |
| IM-TR-ODC-E4-011 | Alternator noise filter | | - 08.Nov.2016 | | |
| MM-TR-MDC-E4-386 | Waste gate controller circlip | | - 26.Apr.2017 | | |
| MM-TR-MDC-E4-399a | Turbcharger Inspection | | - 24.Nov.2017 | | |
| MM-TR-MDC-E4-407 | Alternator - Functional Check | | - 05.Apr.2017 | | |
| MM-TR-MDC-E4-413a | Two-mass flywheel - Inspection procedure | | - 20.Jun.2017 | | |
| MM-TR-MDC-E4-414 | Two-mass flywheel and Hub | | - 20.Jun.2017 | | |
| MM-TR-MDC-E4-415 | Laufzeitbeschränkung Injektoren | | - 10.Jul.2017 | | |
| RMG-TR-MDC-E4-369 | General Amendments | | - 15.Dec.2015 | | |
| OHM-TR-MDC-E4-217d | Functional inspection test run and engine preservation | | - 23.Nov.2015 | | |
| OHM-TR-MDC-E4-317b | Alternator - Functional Check | | - 23.Nov.2016 | | |
| OHM-TR-MDC-E4-369 | General Amendments | | - 15.Dec.2015 | | |
| OHM-TR-MDC-E4-386 | Turbo charger/Exhaust manifold flange nuts | | - 26.Apr.2017 | | |
| OHM-TR-MDC-E4-391a | Change of part number revision system | | - 07.Jul.2017 | | |
| OHM-TR-MDC-E4-399 | Turbo charger torque seal | | - 20.Sep.2017 | | |
| OHM-TR-MDC-E4-414 | Two-mass-flywheel and Hub | | - 20.Jun.2017 | | |
| OHM-TR-MDC-E4-419 | Replace of oil pipe and oil cooler | | - 21.Sep.2017 | | |
| OHMG-TR-MDC-E4-275c | Crack detection / Repainting of propeller shaft | | - 05.May.2015 | | |
| OHMG-TR-MDC-E4-369 | General Amendments | | - 15.Dec.2015 | | |
| OHMG-TR-MDC-E4-385 | Bonding of gearbox-inner bearing rings | | - 07.Jul.2016 | | |
| Service Information | | | | | |
| SI-E4-001/2 | Life time and TBO extension | | 2 22.Apr.2015 | All | Only engine model E4 |
| SI-E4-002 | Gearbox oil check procedure update | | 0 18.May.2011 | All | |
| SI-E4-003 | Technical publication and reporting system of AE | | 0 30.Jan.2013 | All | |
| SI-E4-004 | EECU - Venting Element | | 0 27.Aug.2015 | All | |
| SI-E4-006 | New revision index for part numbers | | 0 27.Mar.2017 | All | |

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| SI-E4-007 | Proper handling of turbo charger | | 0 27.Sep.2016 | All | |
| SI-E4-009 | Two-mass Flywheel and Hub | | 0 14.Jun.2017 | All | |
| SI-E4-010 | Caution of foreign object ingestion during maintenance | | 0 16.Oct.2017 | All | |

Service Bulletins - Mandatory

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|---------------|--|-------------|----------------|---|--|
| MSB-E4-002/2 | Configuration specification of the E4 engine | 13.Feb.2009 | 2 01.Apr.2015 | All | |
| MSB-E4-003/22 | Software and hardware versions of the E4 engine series | 18.Feb.2009 | 22 13.Mar.2017 | All | |
| MSB-E4-004/1 | Long term conservation of E4 engine | 15.Dec.2009 | 1 25.Aug.2016 | All | |
| MSB-E4-006 | Repair of sensor cable for camshaft sensor of ECU B | 24.Nov.2009 | 0 24.Nov.2009 | E4-A-00001 to E4-A-00009 E4-B-00001 to E4-B-00084 | |
| MSB-E4-007/6 | Replacement of waste gate controller | 22.Mar.2010 | 6 18.Sep.2013 | E4-A-00001 to E4-A-00070 E4-B-00001 to E4-B-00345 | EASA AD No.: 2013-0213 R1 CAAC CAD2013-DA42-01R1 FAA AD No. 2014-08-10 |
| MSB-E4-008/2 | Exchange of oil separator hose between cylinder head cover and oil separator | 02.Jun.2010 | 2 24.Jan.2014 | E4-B-00001 to E4-B-00109 E4-B-00112 to E4-B-00122 unless MSB-E4-008 has already been conducted or injector cover with maintenance lid is installed. | |
| MSB-E4-009/2 | High pressure pump exchange | 07.Oct.2010 | 2 04.Mar.2011 | All engines having the high pressure pump with the part no. E4A-30-100-000 installed. | EASA AD No.: 2011-0039 FAA AD No. 2011-18-19 |
| MSB-E4-013/1 | Gearbox oil inspection | 18.Aug.2011 | 1 19.Aug.2011 | All Gearbox S/N starting with P All Gearbox S/N below 398 with less than 100 operating hours except those where FC-E4-008 or FC-E4-009 has already been performed. | |
| MSB-E4-014/2 | Replacement of the fuel return line and banjo fitting | 03.Apr.2012 | 2 11.Jun.2012 | E4-A-00001 to E4-A-00099 E4-B-00001 to E4-B-00379 E4-C-00001 to E4-C-00020 | |
| MSB-E4-017/2 | Check/Replacement of timing chain | 30.Jun.2014 | 2 02.Dec.2016 | Model E4; All | EASA AD No.: 2017-0103 CAAC AD No.: CAD2017-MULT-36 Amnd. No. 39-9090 |
| MSB-E4-020 | Inspection of gearbox housing | 24.Feb.2016 | 0 24.Feb.2016 | All engines having gearbox with the part no.: E4A-70-000-000 Rev. 070 up to and including Rev. 101 installed | |
| MSB-E4-022/2 | Waste Gate Control Rod | 02.Nov.2017 | 2 27.Nov.2017 | All | |
| MSB-E4-024/1 | Waste gate – Spring loaded circlip | 21.Jun.2017 | 1 31.Aug.2017 | All | |

E4 Engine



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| Service Bulletins - Recommended / Optional | | | | | |
| RSB-E4-016/1 | Oil dip stick | 16.Jul.2013 | 1 25.Jul.2013 | All | |
| RSB-E4-018 | Inspection of engine harness | 22.Sep.2014 | 0 22.Sep.2014 | All | |
| RSB-E4-021 | Fuel Pressure Sensor - Connector modification | 23.Sep.2016 | 0 23.Sep.2016 | All | |
| RSB-E4-024 | Waste gate - Spring loaded circlip | 21.Jun.2017 | 0 21.Jun.2017 | All | |
| OSB-E4-019/2 | Gearbox oil cooler | 31.Mrz.2015 | 2 13.Aug.2015 | All engines having gearbox with the part no.: E4A-70-000-000 Rev. 110 or higher installed and having engine harness E4A-95-000-000 Rev. 000 or higher installed. | |

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|------------------------|-------------------------|--|----------------|--|--|
| Other Documents | | | | | |
| E4.08.09 | AE300-Wizard User Guide | | 12 11.Dez.2017 | | |