

TECHNISCHE MITTEILUNG
Service Bulletin
No. 1 R12

Betrifft: Überholungsintervalle von Propellern, Propellerreglern und Öl-Akkumulatoren (TBO)
Subject: *Time Between Overhaul of Propellers, Governors and Oil-Accumulators (TBO)*

Betroffene Propeller: Alle MT-Verstellpropeller, Regler und Akkumulatoren
Propellers affected: All MT-Variable Pitch Propellers, Governors and Accumulators
Betroffene Flugzeuge: Alle mit diesen Propellern, Reglern und Akkumulatoren
Aircraft affected: All with these Propellers, Governors and Accumulators

Vorgang: Für alle Verstellpropeller müssen Betriebszeiten festgelegt werden (Überholungsintervalle, TBO).
Condition: *For all variable pitch propellers, a time between overhaul must be established (TBO).*

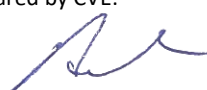
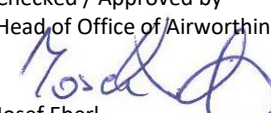
Warnung:

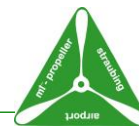
Um die Flugsicherheit von Propellern und Propellersteuerungssystemen zu gewährleisten, ist es wichtig, sie in den in diesem Service Bulletin angegebenen Intervallen zu überholen und die Überholungen ordnungsgemäß und gemäß den Wartungsdokumenten des Herstellers durchzuführen. Die Erfahrung hat gezeigt, dass es bei Propellern, die nicht gepflegt wurden, nicht oder nicht ordnungsgemäß überholt werden, zu einem Ausfall der Komponenten kommen kann, der zum Tod, zu schweren Körperverletzungen und/oder zu erheblichen Sachschäden führen kann.

Warning:

To maintain the flight safety of propellers and propeller control systems, it is essential that they be overhauled at the intervals specified in this Service Bulletin and that the overhauls be properly performed in accordance with the manufacturer's service documents. Service experience has shown that propellers which are neglected, not overhauled or overhauled improperly can result in a component failure that could result in death, serious bodily injury, and/or substantial property damage.

- Die festgesetzte Betriebszeit basiert auf einem Betriebszeiterhöhungsprogramm und setzt sich aus Flugstunden und Kalendermonaten zusammen. Die jeweils gültige Ausgabe dieses Service Bulletins ist verbindlich. Abweichungen bedürfen der Zustimmung des Herstellers. LTA's können die Betriebszeiten einschränken. Alle Propeller-/Motor-Kombinationen, die in diesem Service Bulletin aufgeführt sind, sind schwingungstechnisch zugelassen.
The established TBO is a result of a TBO-development-program and is expressed in flying hours and calendar months. Always the latest edition of this S.B. applies. Deviations require the approval of the manufacturer. AD's may reduce the TBO. All propeller/engine combinations shown in this Service Bulletin are vibration approved.
- Eine Überholung wird nötig, wenn eine der folgenden Bedingungen erreicht ist:
Erreichte Betriebszeit nach Punkt 5, Lagerzeit nach Punkt 3, Überdrehzahl oder Antriebsdrehmomentüberschreitung gemäß „Standard Practices Manual“ E-808 mit einem erprobten Triebwerk, Bodenberührung mit Blattspitzenbruch, Risse und Schäden, die mit einer Reparatur nicht zu beheben sind.
*Overhaul is necessary, whenever one of the following conditions exist:
Time limit factor as per item No. 5 or storage per item No. 3, overspeed or overtorque according to "Standard Practices Manual" E-808 with approved engine, ground strike with broken blade tips, cracks and damages, where a repair is insufficient.*

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3. Die TBO und alle Wartungsintervalle beginnen mit dem Einbau in das Flugzeug.
Wenn jedoch seit der Herstellung oder Überholung, unter Voraussetzung sachgemäßer Lagerung, mehr als 24 Monate vergangen sind, beginnt die TBO automatisch nach diesen 24 Monaten bis maximal insgesamt 96 Monate (8 Jahre) Kalenderzeit erreicht sind. Starttag bei der Berechnung der 96 Monate ist die Freigabe nach Herstellung/letzter Überholung.
*The TBO and all inspection intervals start with the installation on the aircraft.
However, if the installation is later than 24 months after new assembly or overhaul and proper storage provided, the TBO automatically starts after these 24 months, up to maximal 96 months (8 years) total calendar time has been reached. The starting date for calculating the 96 months is the release after manufacture/last overhaul.*
- 3.1. Bei Verwendung in Flugzeugen kann die Kalenderzeit bis zur nächsten Jahresnachprüfung überzogen werden, wenn der **Propeller, Regler und Akkumulator** in einwandfreiem Zustand ist und die zulässige TBO-Betriebsstundenlimitierung noch nicht erreicht ist.
Die Kalenderlaufzeit wird durch Abbau vom Flugzeug und/oder Lagerung nicht unterbrochen.
Wenn die Flugzeit des Propellers oder die Kalenderzeit im Betrieb unbekannt sind, sollte der Propeller überholt werden, um seine Lufttüchtigkeit zu bestätigen. Propeller müssen gemäß den geltenden MT-Propeller-Wartungsunterlagen gewartet werden.
*When installed in airplanes the calendar time can be extended to coincide with the next annual inspection of the aircraft if the **propeller, governor and accumulator** are in a proper condition and the limit of hours in service is not yet reached.
Calendar Limit is not interrupted by subsequent removal and / or storage.
If propeller flight time or calendar time in service is unknown, the propeller should be overhauled to confirm its airworthiness. Propellers must be maintained in accordance with the applicable MT-Propeller publications.*
4. Propeller, die im **Wettbewerbs- und/oder Airshow-Kunstflug** (Autorotationsmanöver die mit hoher Triebwerksleistung und hoher Propellerdrehzahl ausgeführt werden, wie z.B. Flachtrudeln, gerissene Rollen, Knife Edge Spins, etc.) verwendet werden, müssen nach 1/3 der TBO (Stunden bzw. Monate) einer Zerlegekontrolle unterzogen werden.
*Propellers used in unlimited **competition and/or airshow aerobatic flying** (auto rotation maneuvers with high engine power and high propeller speed, for examples: flat spins, snap rolls, knife edge spins, etc.), must get a tear-down inspection every 1/3 of the TBO (hours or months).*
5. **Anmerkungen zur Propellerbezeichnung:**
* = TBO Daten gelten auch für Propeller mit Segelstellung
** = TBO Daten gelten auch für Propeller mit Reverse und/oder Segelstellung.
Die TBO ist auch gültig für Propeller mit max. 5 cm kleinerem Durchmesser.
Remarks to the propeller designation system:
* = TBO is also valid for propellers with feathering
** = TBO is also valid for propellers with reverse and/or feathering.
The TBO is also valid for propellers with an up to 5 cm smaller diameter.

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5.1. Zulässige Betriebszeiten Propeller:
Approved time limits propeller:

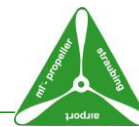
Propeller Propeller	Triebwerk Engine	Stunden Hours	Monate Months
MTV-1-A/()150-07	Rotax 912()	2000	72
MTV-1-A/()152-106	JPX 4TX 75/A	1500	72
MTV-1-A/()160-03	Grob G 2500 D1, E1	1500	72
MTV-1-A/()160-03	Limbach L-2000-E-Series, L-2400-E-Series	1500	72
MTV-1-A/()160-03	Rotax 912() or Rotax 914()	2000	72
MTV-1-A/()160-03	Sauer SS2100-H-Series, ST2500-H-Series, SH2500-H-Series, SS2500-H Series	1500	72
MTV-1-A/()160-03	Walter Mikron III ()	1500	72
MTV-1-A/()160-06	Limbach L2400E-Series	1500	72
MTV-1-A/()160-06	SauerSS-2700-H1S	1500	72
MTV-1-A/()165-06	Limbach L2400 Series	1500	72
MTV-1-A/()165-06	Rotax 912() or Rotax 914()	2000	72
MTV-1-A/()165-112	Rotax 912() or Rotax 914()	2000	72
MTV-1-A/()170-05	Limbach L2400ET-Series, -DT-Series	1000	72
MTV-1-A/()170-08	Rotax 912() or Rotax 914()	2000	72
MTV-1-A/()170-08	Sauer ST-2500-H-Series	1500	72
MTV-1-A-/()170-125	Rotax 912() or Rotax 914()	2000	72
MTV-1-A/()175-05	Rotax 912() or Rotax 914() or Rotax 915()	2000	72
MTV-1-A/()175-12	Rotax 912() or Rotax 914()	2000	72
MTV-1-A/()175-112	Rotax 912() or Rotax 914()	2000	72
MTV-1-A/()178-51	Rotax 912() or Rotax 914() or Rotax 915()	2000	72
MTV-1-A/()180-05	Rotax 912() or Rotax 914() or Rotax 915()	2000	72
MTV-1-F/()155-03	Lycoming O-235-Series	600	72
MTV-1-F/()155-07	Lycoming O-235-Series	1500	72
MTV-1-F/()160-03	Lycoming O-235-Series	600	72
MTV-1-F/()160-07	Lycoming O-235-Series	1500	72
MTV-1-F/()173-08	AE-100-R	1500	72
MTV-1-F/()175-08	TCM/ Rolls Royce O-200-Series	1000	72
MTV-1-F/()175-08	Westermayer W5/33	1000	72
MTV-2-B-/()193-02	Lycoming AIO-360-, (AE)IO-360-Series	600	72
MTV-3-B-/()200-01	Lycoming (AE)(I)O-540-Series	600	72
MTV-3-B-/()250-21	Vedeneyev M-14-P	600	72
MTV-5-(-)(**)/(**)190-53	RR (Allison) Model 250-Series	3600	72
MTV-5-(-)(**)/(**)190-56	RR (Allison) Model 250-Series	3600	72
MTV-5-(-)(**)/(**)190-118	RR (Allison) Model 250-Series	3600	72
MTV-5-(-)(**)/(**)198-56	RR (Allison) Model 250-Series	3600	72
MTV-5-(-)(**)/(**)210-56	RR (Allison) Model 250-Series	3600	72
MTV-5-(-)(**)/(**)210-56	Ivchenko Progress AI-450 Series	3600	72
MTV-5-(-)(**)/(**)220-54	RR (Allison) Model -250 Series	3600	72
MTV-5-(-)(**)/(**)220-54	Pratt & Whitney PT6A-6/-11/-20/-21/-110/-112	3600	72
MTV-6-A-(**)/(**)152-106	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)155-07	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)156-122	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)157-106	Rotax 912() or Rotax 914()	2800	72

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Propeller Propeller	Triebwerk Engine	Stunden Hours	Monate Months
MTV-6-A-(**)/(**)165-07	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)165-64	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)165-112	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)170-05	Rotax 912/914 Series	2800	72
MTV-6-A-(**)/(**)170-51	Rotax 912() or Rotax 914() or Rotax 915()	2800	72
MTV-6-A-(**)/(**)175-08	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)175-51	Rotax 912() or Rotax 914() or Rotax 915iS	2800	72
MTV-6-A-(**)/(**)175-12	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)175-112	Rotax 912() or Rotax 914()	2800	72
MTV-6-A-(**)/(**)183-51	Rotax 912() or Rotax 914(), 915iS	2800	72
MTV-6-A-(**)/(**)187-129	Rotax 914 ()	2800	72
MTV-6-A-(**)/(**)187-129	CD-125-Series/CD-135/CD-155	2800	72
MTV-6-A-(**)/(**)190-69	CD-125-Series/CD-135/CD-155, Rotax 915iS	2800	72
MTV-6-A-(**)/(**)194-80	Rotax 915iS	2800	72
MTV-6-A-(**)/(**)203-80	CD-125-Series/CD-135/CD-155, Rotax 915iS	2800	72
MTV-6-C-(**)/(**)152-07	Lycoming (AE)(I)O-320-Series	1000	72
MTV-6-C-(**)/(**)165-07	Lycoming (AE)(I)O-320-Series	1000	72
MTV-6-C-(**)/(**)170-09	Lycoming (AE)(I)O-320-Series	1500	72
MTV-6-D-(**)/(**)157-106	Wilksch WAM-120	1500	72
MTV-6-D-(**)/(**)175-112	Wilksch WAM-120	1500	72
MTV-6-D-(**)/(**)183-51	Wilksch WAM-120	1500	72
MTV-6-F-(**)/(**)152-106	Lycoming O-235-Series	1500	72
MTV-6-F-(**)/(**)165-03	Lycoming O-235-Series	1500	72
MTV-6-F-(**)/(**)170-09	Lycoming O-235-Series	1500	72
MTV-6-P-(**)/(**)142-129a	Rotax 912() or Rotax 914()	2800	72
MTV-6-P-(**)/(**)180-51	Rotax 912() or Rotax 914()	2800	72
MTV-6-R-(**)/(**)175-51	Rotax 916iS	2800	72
MTV-6-R-(**)/(**)183-51	Rotax 916iS	2800	72
MTV-6-R-(**)/(**)187-129	Austro Engine E4 Series	2800	72
MTV-6-R-(**)/(**)190-69	Austro Engine E4 Series / Rotax 916()	2800	72
MTV-6-R-(**)/(**)190-69	CD-125-Series/CD-170	2800	72
MTV-6-R-(**)/(**)194-80	Austro Engine E4 Series / Rotax 916()	2800	72
MTV-6-R-(**)/(**)203-80	Austro Engine E4 Series / Rotax 916()	2800	72
MTV-6-R-(**)/(**)203-80	GAT Diesel	2800	72
MTV-7-A/()152-106	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()156-122	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()155-07	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()157-106	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()157-106	Jabiru 3300	1500	72
MTV-7-A/()165-07	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()165-64	Rotax 912/914 Series	2000	72
MTV-7-A/()165-112	Rotax 912/914 Series	2000	72
MTV-7-A/()170-05	Rotax 912/914 Series	2000	72
MTV-7-A/()170-51	Rotax 912/914 Series	2000	72
MTV-7-A/()175-08	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()175-12	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()175-51	Rotax 915iS	2000	72
MTV-7-A/()175-112	Rotax 912() or Rotax 914()	2000	72
MTV-7-A/()183-51	Rotax 912() or Rotax 914() or Rotax 915iS	2000	72
MTV-7-A/()187-129	Rotax 914 ()	2000	72

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Propeller Propeller	Triebwerk Engine	Stunden Hours	Monate Months
MTV-7-A/()190-69	Rotax 915iS	2000	72
MTV-7-A/()203-80	Rotax 915iS	2000	72
MTV-7-C/()152-07	Lycoming (I)O-320-Series	1000	72
MTV-7-C/()165-07	Lycoming (I)O-320-Series	1000	72
MTV-7-C/()170-09	Lycoming (I)O-320-Series	1500	72
MTV-7-C/()183-51	Eggenfellner-Subaru H6, Subaru 2.5T	1500	72
MTV-7-C/()187-129	Eggenfellner-Subaru H6, Subaru 2.5T,	1500	72
MTV-7-D/()170-09	TCM (I)O-240-A/B-Series	1500	72
MTV-7-D/()170-12	TCM (I)O-240-A/B-Series	1500	72
MTV-7-D/()170-51b	TCM (I)O(F)-240-Series	1500	72
MTV-7-D/()175-09	TCM (I)O-240-Series	1500	72
MTV-7-D/()175-112	TCM (I)O-240-Series	1500	72
MTV-7-D/()187-129	CD-125-01	1500	72
MTV-7-F/()152-106	Lycoming O-235-Series	1500	72
MTV-7-F/()165-03	Lycoming O-235-Series	1500	72
MTV-7-F/()170-09	TCM/Rolls Royce O-200-Series	1500	72
MTV-7-F/()170-09	Potez 4E-20A,	1500	72
MTV-7-F/()170-09	Lycoming O-235-Series	1500	72
MTV-9-AB-(**)/(**)270-143	Lycoming (I)O-360-Series	2400	72
MTV-9-B-(**)/(**)178-102	Lycoming (AE)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)180-50	Lycoming (AE)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)183-50	Lycoming (AE)(X)(I)O-360/-370/-375/-390/-409	2400	72
MTV-9-B-(**)/(**)188-18	Lycoming (AE)(I)O-360, -390, -540 Series	2400	72
MTV-9-B-(**)/(**)188-50	Lycoming (AE)(I)O-360, -370, -375, -390, -540 Series	2400	72
MTV-9-B-(**)/(**)190-18	Lycoming (AE)(I)O-360, -390, -540 Series	2400	72
MTV-9-B-(**)/(**)190-50	Lycoming (AE)(I)O-360, -370, -375, -390, -540 Series	2400	72
MTV-9-B-(**)/(**)192-52	Lycoming (AE)(I)O-360, -370, -375, -390, -540 Series	2400	72
MTV-9-B-(**)/(**)193-18	Lycoming (AE)(I)O-360, -390, -540 Series	2400	72
MTV-9-B-(**)/(**)193-109	Lycoming (AE)(I)O-540, (T)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)195-45	Lycoming (AE)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)198-25	Lycoming (AE)(I)O-540, -580-Series	2400	72
MTV-9-B-(**)/(**)198-52	Lycoming (AE)(I)O-360, -540, (T)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)198-58	Lycoming (AE)(I)O-540, -720-Series	2400	72
MTV-9-B-(**)/(**)200-15	Lycoming (AE)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)200-15	Vedeneyev M 14-PM	400	72
MTV-9-B-(**)/(**)200-58	Lycoming (T)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)203-20	Lycoming (AE)(I)O-540, -580-Series	2400	72
MTV-9-B-(**)/(**)203-22	Lycoming (AE)(I)O-720-Series	2400	72
MTV-9-B-(**)/(**)203-25	Lycoming (AE)(I)O-540, -580-Series	2400	72
MTV-9-B-(**)/(**)203-46	Lycoming (AE)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)203-52	Lycoming (AE)(I)O-360/-540-Series	2400	72
MTV-9-B-(**)/(**)203-58	Lycoming (T)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)210-15	Lycoming (T)(I)O-540-Series	2400	72
MTV-9-B-(**)/(**)210-58	Lycoming (T)(I)O-540-, (AE)(I)O-580-Series	2400	72
MTV-9-B-(**)/(**)213-22	Lycoming (T)(I)O-540-Series, (AE)(I)O-720-Series	2400	72
MTV-9-B-(**)/(**)213-58	Lycoming (T)(I)O-540-Series, (AE)(I)O-720-Series	2400	72
MTV-9-B-(**)/(**)248-63	Vedeneyev M-14-Series	1000	72
MTV-9-B-(**)/(**)250-27	Vedeneyev M-14-Series	1000	72
MTV-9-B-(**)/(**)250-29	Vedeneyev M-14-Series	1000	72
MTV-9-B-(**)/(**)260-27	Vedeneyev M-14-Series, M-9-F Series	1000	72

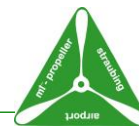


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MTV-9-B-(**)/(**)260-29	Vedeneyev M-14-Series, M-9-F Series	1000	72
MTV-9-B-(**)-S/(**)198-58B	SMA SR-305-230	1500	72
MTV-9-D-(**)/(**)178-102	TCM IO-550-Series, -520 Series	2400	72
MTV-9-D-(**)/(**)183-109	TCM (TS)(I)O-550-Series	2400	72
MTV-9-D-(**)/(**)188-50	TCM (TS)(I)O-550-, -520-Series	2400	72
MTV-9-D-(**)/(**)190-11	TCM (TS)(I)O-550-, -520-Series	2400	72
MTV-9-D-(**)/(**)190-18	Franklin 6A350-C-Series	2400	72
MTV-9-D-(**)/(**)193-109	TCM (TS)IO-550-, -520-Series	2400	72
MTV-9-D-(**)/(**)193-45	TCM (TS)IO-550-, -520-Series	2400	72
MTV-9-D-(**)/(**)195-18	TCM O-470-Series	2400	72
MTV-9-D-(**)/(**)195-58	TCM (I)O-550-Series, -520-Series	2400	72
MTV-9-D-(**)/(**)198-52	TCM (TS)IO-550-Series, -520-Series	2400	72
MTV-9-D-(**)/(**)198-58	TCM (TS)IO-550-Series, -520-Series	2400	72
MTV-9-D-(**)/(**)200-11	TCM TSIO(L)-550-Series, -520-Series	2400	72
MTV-9-D-(**)/(**)200-15	Porsche PFM-3200-Series	2400	72
MTV-9-D-(**)/(**)200-52	TCM (TS)(I)O-360-Series	2400	72
MTV-9-D-(**)/(**)200-58	TCM (TS)(I)O-520-Series	2400	72
MTV-9-D-(**)/(**)203-52	TCM (I)O-470-Series, -520, -550-Series	2400	72
MTV-9-D-(**)/(**)205-58	TCM IO-550-Series	2400	72
MTV-9-D-(**)/(**)210-15	TCM IO-520-Series	2400	72
MTV-9-D-(**)/(**)210-58	TCM (I)O-470, 550, -Series, (TS)IO-520, -550 Series	2400	72
MTV-9-D-(**)/(**)210-58	Centurion 4.0 Series	2400	72
MTV-9-D-(**)/(**)220-144	Lycoming (I)O-360-Series	2400	72
MTV-9-E-(**)/(**)226-37	TCM GTSIO-520-S / GIO-550-A	2400	72
MTV-9-E-(**)/(**)240-55	RED A-03-102	1500	72
MTV-9-E-(**)/(**)248-63	Vedeneyev M-14-Series	1000	72
MTV-9-E-(**)/(**)250-27	Vedeneyev M-14-Series	1000	72
MTV-9-E-(**)/(**)250-29	Vedeneyev M-14-Series	1000	72
MTV-9-E-(**)/(**)260-27	Vedeneyev M-14-Series	1000	72
MTV-9-E-(**)/(**)260-29	Vedeneyev M-14-Series	1000	72
MTV-9-K-(**)/(**)240-29	Vedeneyev M-14-Series	1000	72
MTV-9-K-(**)/(**)248-63	Vedeneyev M-14-Series	1000	72
MTV-9-K-(**)/(**)250-27	Vedeneyev M-14-Series	1000	72
MTV-9-K-(**)/(**)250-29	Vedeneyev M-14-Series	1000	72
MTV-9-K-(**)/(**)260-27	Vedeneyev M-14-Series	1000	72
MTV-9-K-(**)/(**)260-29	Vedeneyev M-14-Series	1000	72
MTV-9-K-(**)/(**)280-142	Vedeneyev M-14-series	1000	72
MTV-10-B/(I)174-08	Lycoming (I)O-360-Series	1500	72
MTV-10-B/(I)174-12	Lycoming (I)O-360-Series	1500	72
MTV-11-C-(**)/(**)162-24	Lycoming (AE)(I)O-320-Series	1000	72
MTV-11-C-(**)/(**)183-59	Lycoming (I)O-320-Series	1000	72
MTV-11-C-(**)/(**)188-53	Lycoming (I)O-320-Series	1000	72
MTV-11-C-(**)/(**)188-59	Lycoming (I)O-320-Series	1000	72
MTV-11-C-(**)/(**)190-17	Lycoming (I)O-320-Series	1000	72
MTV-11-C-(**)/(**)190-32	Lycoming (AE)(I)O-320-Series	1000	72
MTV-12-B-(**)/(**)168-101	Titan O-370-Series	1800	72
MTV-12-B-(**)/(**)168-101	Lycoming (AE)(I)O-360/390-Series	1800	72
MTV-12-B-(**)/(**)168-101	Delta Hawk DH200V4	1800	72
MTV-12-B-(**)/(**)175-17	Lycoming (AE)(I)O-360-Series	1800	72

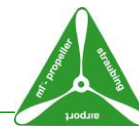
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MTV-12-B-(**)/(**)175-59	Lycoming (AE)(I)O-360/390-Series	1800	72
MTV-12-B-(**)/(**)180-17	Lycoming (AE)(I)O-360-Series	1800	72
MTV-12-B-(**)/(**)180-59	Lycoming IO-360-Series	1800	72
MTV-12-B-(**)/(**)183-17	Lycoming (AE)(I)O-360-Series	1800	72
MTV-12-B-(**)/(**)183-53	Lycoming (AE)(I)O-360-A1B6	1800	72
MTV-12-B-(**)/(**)183-59	Lycoming (AE)(I)O-340/-360/-370/-390	1800	72
MTV-12-B-(**)/(**)188-17	Lycoming (AE)(I)O-360-Series	1800	72
MTV-12-B-(**)/(**)188-53	Lycoming (T)(I)O-360-C1A6D, (I)O-540-()	1800	72
MTV-12-B-(**)/(**)188-59	Lycoming (T)(AE)(Y)(I)O-360/390/540 Series, Titan IOX-340-()	1800	72
MTV-12-B-(**)/(**)188-119	Lycoming (AE)(I)O-360-Series	1800	72
MTV-12-B-(**)/(**)188-302a	Lycoming (I)O-390/(I)O-540-()	1800	72
MTV-12-B-(**)/(**)190-53	Lycoming (I)O-390/(I)O-540-()	1800	72
MTV-12-B-(**)/(**)195-53	Lycoming (I)O-390/(I)O-540-()	1800	72
MTV-12-C-(**)/(**)152-40	Lycoming (AE)(I)O-320-Series	1000	72
MTV-12-C-(**)/(**)160-40	Lycoming (AE)(I)O-320-Series	1000	72
MTV-12-C-(**)/(**)170-57	Lycoming (I)O-320-Series	2000	72
MTV-12-C-(**)/(**)170-119	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-C-(**)/(**)175-119	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-C-(**)/(**)175-17	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-C-(**)/(**)175-36	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-C-(**)/(**)175-59	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-C-(**)/(**)180-17	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-C-(**)/(**)180-57	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-C-(**)/(**)183-119	Lycoming (AE)(I)O-320-Series	2000	72
MTV-12-D-(**)/(**)180-17	TCM (TS)IO-360-Series	2000	72
MTV-12-D-(**)/(**)183-17	TCM (TS)IO-360-Series	2000	72
MTV-12-D-(**)/(**)183-30	TCM (TS)IO-360-Series	2000	72
MTV-12-D-(**)/(**)188-30	TCM (TS)IO-360-Series	2000	72
MTV-12-D-(**)/(**)188-53	TCM (TS)IO-360-Series	2000	72
MTV-12-D-(**)/(**)188-59	TCM (TS)IO-360-Series	2000	72
MTV-12-D-(**)/(**)188-301	TCM IO-550-Series	2000	72
MTV-12-D-(**)/(**)188-301	Porsche PFM-3200-Series	2000	72
MTV-12-D-(**)/(**)190-53	LOM M 337-Series	2000	72
MTV-12-D-(**)/(**)192-30	Franklin 6A-350-C-Series	2000	72
MTV-12-D-(**)/(**)192-30	Porsche PFM 3200-Series	2000	72
MTV-12-D-(**)/(**)192-119	TCM IO-360-Series, (TS)IO-360-()	2000	72
MTV-12-D-(**)/(**)192-301	Porsche PFM 3200-Series	2000	72
MTV-12-D-(**)/(**)210-56	CD Centurion 3.0 / Centurion 4.0 / Continental CD-300	2000	72
MTV-14-B-(**)/(**)174-101	Lycoming (T)(I)O-540-Series	2400	72
MTV-14-B-(**)/(**)178-36	Lycoming (AE)(I)O-360-Series	1800	72
MTV-14-B-(**)/(**)183-301	Lycoming (AE)(I)O-360-Series	1800	72
MTV-14-B-(**)/(**)185-59	Lycoming (T)(I)O-540-Series	2400	72
MTV-14-B-(**)/(**)188-30	Lycoming (AE)(I)O-540-Series	2400	72
MTV-14-B-(**)/(**)190-17	Lycoming (AE)(I)O-540-Series, TIO-540-Series	2400	72
MTV-14-B-(**)/(**)190-130	Lycoming (AE)(I)O 540 / 580 series	2400	72
MTV-14-B-(**)/(**)195-30	Lycoming (AE)(I)O-540, 580-Series, TEO-540-Series, TIO-540-Series	2400	72
MTV-14-D-(**)/(**)174-101	TCM (TS)IO-550-, -520- Series	2400	72



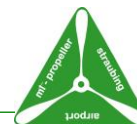
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MTV-14-D-(**)/(**)185-59	TCM (L)(TS)IO-520-Series	2400	72
MTV-14-D-(**)/(**)188-30	TCM (TS)IO-550-, -520- Series	2400	72
MTV-14-D-(**)/(**)190-17	TCM (TS)IO-550-, -520- Series	2400	72
MTV-14-D-(**)/(**)193-53	TCM IO-550-Series	2400	72
MTV-14-D-(**)/(**)195-30	TCM (TS)IO-520-, -550- Series, TSIOL-550- Series	2400	72
MTV-14-D-(**)/(**)195-30	Centurion 4.0 Series	2400	72
MTV-15-AA-(**)/(**)210-20	TCM E-225 Series	1800	72
MTV-15-AA-(**)/(**)236-29	Jacobs R-755-A2	1800	72
MTV-15-AA-(**)/(**)246-29	Jacobs R-755-A2	1800	72
MTV-15-AA-(**)/(**)249-42	Lycoming GO-480-()	1800	72
MTV-15-B-(**)/(**)183-50	Lycoming (I)O-360 / 390 Series	1800	72
MTV-15-B-(**)/(**)183-402	Lycoming (AE)(I)O-360 / 390-Series	1000	72
MTV-15-B-(**)/(**)188-34	Lycoming (AE)(I)O-360 / 390-Series	1800	72
MTV-15-B-(**)/(**)188-50	Lycoming (AE)(I)O-360 / 390-Series	1800	72
MTV-15-B-(**)/(**)193-25	Lycoming (AE)(I)O-360 / 390-Series	1800	72
MTV-15-B-(**)/(**)193-34	Lycoming (AE)(I)O-360 / 390-Series	1800	72
MTV-15-B-(**)/(**)193-52	Lycoming (AE)(I)O-360 / 390-Series	1800	72
MTV-15-B-(**)/(**)203-52	Lycoming (AE)(I)O-360 / 390 series	1800	72
MTV-15-B-(**)/(**)203-58	Lycoming (AE)(I)O-360 / 390-Series	1800	72
MTV-15-B-(**)/(**)205-58	Lycoming (AE)(I)O-360-Series	1800	72
MTV-15-B-(**)/(**)210-58	Lycoming (AE)(I)O-360 / 390-Series,(I)O 540 Series	1800	72
MTV-15-C-(**)/(**)185-34	Lycoming (AE)(I)O-320-Series	1800	72
MTV-15-C-(**)/(**)200-50	Lycoming (AE)(I)O-320-Series	1800	72
MTV-15-D-(**)/(**)200-58	TCM (I)O-470, 550-Series, (TS)IO-520-Series	1800	72
MTV-15-D-(**)/(**)210-58	TCM (I)O-470, 550-Series, (TS)IO-520-Series	1800	72
MTV-16-(-)(**)/(**)206-58	Pratt & Whitney PT6-Series	3600	72
MTV-16-(-)(**)/(**)213-58	Walter M 601-Series	3600	72
MTV-16-(-)(**)/(**)225-37	TCM GTSIO-520 Series	2500	72
MTV-16-(-)(**)/(**)230-37	Pratt & Whitney PT6-Series	3600	72
MTV-16-(-)(**)/(**)235-55	Honeywell TPE331- Series	3600	72
MTV-16-(-)(**)/(**)235-55	Pratt & Whitney PT6-Series	3600	72
MTV-16-(-)(**)/(**)240-55	Pratt & Whitney PT6-Series	3600	72
MTV-16-(-)(**)/(**)250-55	Walter M 601-Series	3600	72
MTV-16-(-)(**)/(**)250-55	Pratt & Whitney PT6-Series	3600	72
MTV-16-(-)(**)/(**)250-55	Honeywell TPE331- Series	3600	72
MTV-16-(-)(**)/(**)235-55a	Walter M 601-Series	3600	72
MTV-16-(-)(**)/(**)260-27	Walter M 601-Series	3600	72
MTV-16-(-)(**)/(**)280-65	Honeywell TPE331- Series	2000	72
MTV-16-(-)(**)/(**)280-65	Pratt & Whitney PT6-Series	2000	72
MTV-17-C/()162-24	Lycoming (I)O-320-Series	1000	72
MTV-17-C/(**)/(**)183-59	Lycoming (I)O-320-Series	1000	72
MTV-17-C-(**)/(**)190-17	Lycoming (I)O-320-Series	1000	72
MTV-17-C/()190-32	Lycoming (I)O-320-Series	1000	72
MTV-17-C/()188-53	Lycoming (I)O-320-Series	1000	72
MTV-17-D/()183-17	TCM O-300-Series	1000	72
MTV-17-D-(**)/(**)188-59	TCM C-145	1000	72
MTV-18-B-(**)/(**)168-101	Lycoming (I)O-360/390-Series	1800	72



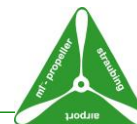
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MTV-18-B-(**)/(**)168-101	Delta Hawk DH200V4	1800	72
MTV-18-B-(**)/(**)175-17	Lycoming (I)O-360-Series	1800	72
MTV-18-B-(**)/(**)175-59	Lycoming (I)O-360/390-Series	1800	72
MTV-18-B-(**)/(**)180-17	Lycoming ((I)O-360-Series	1800	72
MTV-18-B-(**)/(**)183-17	Lycoming (I)O-360-Series	1800	72
MTV-18-B-(**)/(**)183-59	Lycoming (I)O-340/-360/-370/390-Series	1800	72
MTV-18-B-(**)/(**)188-17	Lycoming (I)O-360-Series	1800	72
MTV-18-B-(**)/(**)188-53	Lycoming (T)(I)O-360-C1A6D	1800	72
MTV-18-B-(**)/(**)188-59	Lycoming (T)(I)O-360/390 Series	1800	72
MTV-18-B-(**)/(**)188-119	Lycoming ((I)O-360-Series	1800	72
MTV-18-B-(**)/(**)193-53	Lycoming (I)O-540-()	1800	72
MTV-18-C-(**)/(**)152-40	Lycoming ((I)O-320-Series	1000	72
MTV-18-C-(**)/(**)160-40	Lycoming (I)O-320-Series	1000	72
MTV-18-C-(**)/(**)170-119	Lycoming (I)O-320-Series	2000	72
MTV-18-C-(**)/(**)175-119	Lycoming (I)O-320-Series	2000	72
MTV-18-C-(**)/(**)175-17	Lycoming (I)O-320-Series	2000	72
MTV-18-C-(**)/(**)175-36	Lycoming ((I)O-320-Series	2000	72
MTV-18-C-(**)/(**)175-59	Lycoming (I)O-320-Series	2000	72
MTV-18-C-(**)/(**)180-17	Lycoming (I)O-320-Series	2000	72
MTV-18-C-(**)/(**)180-57	Lycoming (I)O-320-Series	2000	72
MTV-18-C-(**)/(**)183-59	Lycoming (I)O-320-Series	2000	72
MTV-18-C-(**)/(**)183-119	Lycoming (I)O-320-Series	2000	72
MTV-18-D-(**)/(**)180-17	TCM (TS)IO-360-Series	2000	72
MTV-18-D-(**)/(**)183-17	TCM (TS)IO-360-Series	2000	72
MTV-18-D-(**)/(**)183-30	TCM (TS)IO-360-Series	2000	72
MTV-18-D-(**)/(**)188-30	TCM (TS)IO-360-Series	2000	72
MTV-18-D-(**)/(**)188-53	TCM (TS)IO-360-Series	2000	72
MTV-18-D-(**)/(**)188-301	TCM IO-550-Series	2000	72
MTV-18-D-(**)/(**)188-301	Porsche PFM-3200-Series	2000	72
MTV-18-D-(**)/(**)192-30	Franklin 6A-350-C-Series	2000	72
MTV-18-D-(**)/(**)192-30	Porsche PFM 3200-Series	2000	72
MTV-18-D-(**)/(**)192-119	TCM IO-360-Series	2000	72
MTV-18-D-(**)/(**)192-119	TCM (TS)IO-360-()	2000	72
MTV-18-D-(**)/(**)192-301	Porsche PFM 3200-Series	2000	72
MTV-20-AA-(**)/(**)210-20	TCM E-225 Series	1800	72
MTV-20-B/(**)188-50	Lycoming (I)O-360 / 390-Series	1800	72
MTV-20-B/(**)193-34	Lycoming (I)O-360 / 390-Series	1800	72
MTV-20-B/(**)203-52	Lycoming (I)O-360 / 390-Series	1800	72
MTV-20-B/(**)210-58	Lycoming (I)O-360 / 390-Series	1800	72
MTV-20-C-(**)/(**)200-50	Lycoming (I)O-320-Series	1800	72
MTV-20-C-(**)/(**)200-52	Lycoming (I)O-320-Series	1800	72
MTV-21-A-(**)/(**)160-03	Rotax 912() or Rotax 914()	2200	72
MTV-21-A-(**)/(**)160-03	Sauer SS-2100-H-Series, S(T/H/S)-2500-H-Series	1500	72
MTV-21-A-(**)/(**)160-06	Sauer SS-2700-H1S	1500	72
MTV-21-A-(**)/(**)165-112	Rotax 912() or Rotax 914()	2600	72
MTV-21-A-(**)/(**)170-05	Rotax 912() or Rotax 914()	2600	72
MTV-21-A-(**)/(**)170-08	Rotax 912() or Rotax 914()	2600	72
MTV-21-A-(**)/(**)170-08	Sauer ST-2500-H-Series	1500	72
MTV-21-A-(**)/(**)170-51	Rotax 912() or Rotax 914()	2600	72



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MTV-21-A-(**)/(**)170-125	Rotax 912() or Rotax 914()	2600	72
MTV-21-A-(**)/(**)175-05	Rotax 912() or Rotax 914() or Rotax 915()	2600	72
MTV-21-A-(**)/(**)175-12	Rotax 912() or Rotax 914()	2600	72
MTV-21-A-(**)/(**)175-112	Rotax 912() or Rotax 914()	2600	72
MTV-21-A-(**)/(**)178-51	Rotax 912() or Rotax 914() or Rotax 915()	2600	72
MTV-21-A-(**)/(**)180-05	Rotax 912() or Rotax 914() or Rotax 915()	2600	72
MTV-21-A-(**)/(**)180-51	Rotax 912() or Rotax 914() or Rotax 915()	2600	72
MTV-21-A-(**)/(**)190-69	Rotax 915iS	2600	72
MTV-21-A-(**)/(**)198-80	Rotax 915iS	2600	72
MTV-21-A-(**)/(**)203-80	Rotax 915iS	2600	72
MTV-21-D-(**)/(**)175-112	Wilksch WAM-120	1500	72
MTV-21-F-(**)/(**)155-03	Lycoming O-235-Series	600	72
MTV-21-F-(**)/(**)155-07	Lycoming O-235-Series	1500	72
MTV-21-F-(**)/(**)160-03	Lycoming O-235-Series	600	72
MTV-22-B-(*)/(*)174-08	Lycoming (I)O-360-Series	1500	72
MTV-22-B-(*)/(*)174-08	Lycoming AEIO-360-Series	500	72
MTV-22-B-(*)/(*)174-12	Lycoming (I)O-360-Series	1500	72
MTV-24-M/()158-16	Rotax 505-A (3:1)	400	72
MTV-25-(**)/(**)165-06	Lycoming (I)O-360-Series	2400	72
MTV-25-(**)/(**)170-23	Lycoming (I)O-540-Series	1500	72
MTV-27-()-(**)/(**)203-58	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)203-58	Walter M 601-Series	4500	72
MTV-27-()-(**)/(**)210-58	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)210-58	Walter M 601-Series	4500	72
MTV-27-()-(**)/(**)210-58	Honeywell TPE331-Series	4500	72
MTV-27-()-(**)/(**)220-55	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)225-55	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)225-55	Honeywell TPE331-Series	4500	72
MTV-27-()-(**)/(**)235-55	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)235-55	Honeywell TPE331-Series	4500	72
MTV-27-()-(**)/(**)235-55	Honeywell T-78-G, T-76-G	4500	72
MTV-27-()-(**)/(**)240-55	Honeywell TPE331-Series	4500	72
MTV-27-()-(**)/(**)245-55	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)250-55	Honeywell TPE331-Series	4500	72
MTV-27-()-(**)/(**)250-55	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)250-103	Honeywell TPE331-Series	4500	72
MTV-27-()-(**)/(**)260-65	Pratt & Whitney PT6-Series	4500	72
MTV-27-()-(**)/(**)270-66	Honeywell TPE331-Series	4500	72
MTV-27-()-(**)-J/(**)285-82	Honeywell TPE331- 14GR/HR	4500	72
MTV-27-()-(**)-J/(**)300-82	Pratt & Whitney PT6-Series	4500	72
MTV-33-1-()/170-200 / -202	Rotax 912 () or Rotax 914 ()	1500	72
MTV-33-1-()/175-200 / -202	Rotax 912 () or Rotax 914 ()	1500	72
MTV-33-1-()/178-200 / -202	Rotax 912 () or Rotax 914 ()	1500	72
MTV-34-1-()/156-203	Rotax 912 () or Rotax 914 (), 915iS or 916iS	1500	72
MTV-34-1-()/164-200/-202	Rotax 912 () or Rotax 914 (), 915iS or 916iS	1500	72



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MTV-34-1-()/170-200/-202	Rotax 912 () or Rotax 914 (), 915iS or 916iS	1500	72
MTV-34-1-()/175-200/-202	Rotax 912 () or Rotax 914 (), 915iS or 916iS	1500	72
MTV-34-1-()/178-200/-202	Rotax 912 () or Rotax 914 (), 915iS or 916iS	1500	72
MTV-36-1-()/180-201	Rotax 912 () or Rotax 914 () or 915iS or 916iS	1500	72
MTV-37-(-)(**)/(**)205-353	Pratt & Whitney PT6-Series	3600	72
MTV-37-(-)(**)/(**)210-56	Pratt & Whitney PT6-Series	3600	72
MTV-37-(-)(**)/(**)228-54	Honeywell TPE331-Series	3600	72
MTV-47-(-)(**)-(-)/(**)260-361	Pratt & Whitney PT6()-67()	3600	72
5404/11C1-0	Conti W-670-Series	1000	72
5404/11C1-6	Conti W-670-Series	1000	72
5404/11C1-6	Jacobs R-755-B2	1000	72
5404/11C1-9	Conti W-670-Series	1000	72
5404/A11C1-0	Lycoming R-680-Series	1000	72
5404/A11C1-6	Lycoming R-680 Series	1000	72
5406/1C1-D	Pratt & Whitney R-985-Series	1000	72
5406/A1C1-D	Pratt & Whitney R-985-Series	1000	72
5406/A1C1-6	Pratt & Whitney R-985-Series	1000	72
5406/A11C1-D	Pratt & Whitney R-985-Series	1000	72

Hinweis:

Alle Propeller, die in Verbindung mit Motoren der Lycoming IO-360-Serie oder O-360-Serie aufgeführt sind, gelten auch für die Motormodelle Superior Air Parts, Inc. O-360 und IO-360 (FAA TCDS Nr. E00001SC).

Es gilt die gleiche TBO wie für die Lycoming-Motoren.

Note:

All propellers which are listed in conjunction with Lycoming IO-360-Series or O-360-Series engines are also valid for the Superior Air Parts, Inc. O-360 and IO-360 engine models (FAA TCDS No. E00001SC).

The same TBO as for the Lycoming engines apply.

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5.2 Überholungsintervalle Regler:
Time Between Overhaul (TBO) Governor:

Regler Governor	Triebwerk Engine	Stunden Hours	Monate Months
P-4() - ()	Piston and Turbine engines	2400	72
P-8() - ()	Piston and Turbine engines	2400	72
P-9() - ()	Piston and Turbine engines	2400	72
CSU CD-125	CD-125-01 engine	Life limit published in CD-125-0001	

Überdrehzahl-Regler Overspeed Governor	Triebwerk Engine	Stunden Hours	Monate Months
P-8S() - ()	Turbine engines	4500	144

Allison Beta	Triebwerk: Engine	Stunden Hours	Monate Months
P-846	Beta Tube / Oil Transfer Tube	3000	72

5.3 Überholungsintervalle Akkumulatoren:
Time Between Overhaul (TBO) Accumulators:

Akkumulator Accumulator		Stunden Hours	Monate Months
P-447	Oil Accumulator	2400	72
P-726-()	Oil Accumulator	2400	72
P-832-()	Oil Accumulator	2400	72
P-893-()	Oil Accumulator	2400	72
P-905-()	Oil Accumulator	2400	72
P-952-()	Oil Accumulator	2400	72
P-1379-()	Oil Accumulator	2400	72

Beachten Sie auch die Servicedokumente auf der MT-Propeller Website unter www.mt-propeller.com.
Refer to MT-Propeller website at www.mt-propeller.com for a cross-reference of service documents.