

Master Equipment List

NOTIFICATION 113112(MEL)

ISSUED BY:

TL-Ultralight s.r.o.

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URL: <http://www.tl-ultralight.cz/>

DATE OF NOTICE: 31 November 2012

EFFECTIVE DATE: Immediately

LIMITATIONS: None

REPLACEMENT: All previous Master Equipment List (MEL) notices

AFFECTED AIRCRAFT: TL-Ultralight, TL-2000, Sting, TL-3000 Sirius; All models

AFFECTED SERIAL NUMBERS: All

NOTICE ID: 113112(MEL)

PAGES: This is Page 1 of 10 pages.

REFERENCES: This approved Master Equipment List notification
Aircraft Maintenance Manual (AMM)
, Pilot Operating Handbook (POH) or Aircraft Operation Instructions (AOI)
Named manufacturer/model installation manuals
Named manufacturer/model operation manuals

DISCUSSION:

As a function of the continued airworthiness program, all equipment listed in this notice is approved for installation in TL-2000 Sting series and TL-3000 Sirius series make & models. Any change to existing aircraft configuration must be entered into aircraft logs.

Items are organized in the general location within the aircraft. See paragraphs A through J.

The TL form 2284, latest revision, will be used for request for testing and approval of any item not included in this notification. TL Form 2284 is available on-line at www.sportair.aero. Please see the Owner Support and Download section.

CORRECTIVE ACTION:

All previously dated equipment approvals are cancelled.

SCHEDULE:

None, this equipment notice will be updated as required.

This notice issued iaw ASTM Designation: F 2295 / Standard Practice for Light Sport Airplane Continued Operational Safety Monitoring
SAFETY ALERT requires immediate action. / SERVICE BULLETIN recommends future action. / NOTIFICATION continued airworthiness information.

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A. Airframe

	Item Description	Manufacturer	Model
1.	Aerial Towing System	TL Ultralight	OEM
2.	Brake systems	TL Ultralight	OEM
3.	Brake systems	Grove Gear Systems	Custom 670-18
4.	Brake systems	Matco	MCMC-4A
5.	Brake Shoes	TL Ultralight	OEM
6.	Brake Shoes	Matco	Custom 50-201
7.	Brake Shoes	Grove	Custom 670-18
8.	Cabin Heating	TL Ultralight	OEM
9.	Harness System	TL Ultralight	OEM
10.	Harness System	Amsafe	Belts/Airbags
11.	Harness System	Hooker	Belts/Airbags
12.	Parking Brake	TL Ultralight	OEM
13.	Parking Brake	Grove, Matco, Beringer	Single or Dual line
14.	Parachute System	Galaxy High Technology	LSA 600 ASTM Series
15.	Parachute System	BRS Aviation	LSA 1350 ASTM Series
16.	Tire, main	TL Ultralight S4	15 x 600-6 / OEM
17.	Tire, nose	TL Ultralight S4	11 x 400-5 / OEM
18.	Tire, main	Aeroclassic	S4 15 x 600-6
19.	Tire, nose	Aeroclassic	S4 11 x 400-5
20.	Tire, nose	Continental	LB 350-8 55J
21.	Tire, main	AeroTrainer	500.5
22.	Tire, nose, main	TL Ultralight	480-8 OEM
23.	Tire, nose, main	SureTrail	480-8
24.	Tire, nose, main	Aero Classic	400-6 w Grove/Matco
25.	Tire, nose, main	Deestone	DS7251/480-8
26.	Tire, nose, main	Continental	LB 400-8 55J
27.	Tire tubes (required all wheels)	OEM	As sized for tire
28.	Wheel rims	TL Ultralight	OEM
29.	Wheel rims	Grove Gear Systems	Custom 500x5/400x4
30.	Wheel rims	Matco	WHI60L/500x5/400x4
31.	Floats (TL3000 only)	TL Ultralight	OEM
32.	Floats (TL3000 only)	Claymar	LSA 1450 min
33.	Floats (TL3000 only)	Aerocet	LSA 1450 min
34.	Floats (TL3000 only)	Wipline	LSA 1450 min

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B. Engine

	Item Description	Manufacturer	Model
1.	Auxiliary Gear Drive	Rotax	OEM
2.	Carburetor Fuel Drip pans	TL Ultralight	OEM
3.	Carburetor Heat Shields	TL Ultralight	OEM
4.	Carburetor Support Brackets	TL Ultralight	OEM
5.	Carburetor Mixture System	Green Sky	HACman
6.	Carburetor Heating System	SkyDrive	CH-900-3
7.	Elevator Trim Tab Extension	TL Ultralight	OEM
8.	Engine	Rotax 80 hp	912 or UL
9.	Engine	Rotax 100 hp	912S or ULS or ULSi
10.	Engine	Rotax 115 hp	914 UL
11.	Engine	EPAPower	SA-R915i
12.	Engine Oil Filter (<i>No Substitutes!</i>)	Rotax OEM	825710 or 825712 or latest
13.	Engine Oil Tank Drain Valve	TL Ultralight	12MM-1.75T
14.	Engine Air Filter	K&N	SP Series
15.	Engine Air Filter	K&N	RU Series
16.	Engine Air Filter	K&N	RU Series
17.	Engine Air Filter	K&N	R Series
18.	Engine Hour Meter Sensor	TL Ultralight	OEM
19.	Engine Pre-Heater	Tanis	912/914, Series
20.	Engine Pre-Heater	Reiff	912/914, Series
21.	Engine Ignition Modification	BullyHawk/ConAir	Soft Start Module, Series
22.	Oil cooler	TL Ultralight	OEM
23.	Oil cooler	Rotax	OEM
24.	Oil Thermostat	TL Ultralight	OEM
25.	Oil Thermostat	Permacool	Series
26.	Oil Thermostat	BilletPump	Series
27.	Pressure Regulator	BilletPump	Series
28.	Radiator, 1" / 2"	TL Ultralight	OEM
29.	Radiator Thermostat	TL Ultralight	OEM
30.	Radiator Thermostat	Permacool	Series

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C. Propellers

	Item Description	Manufacturer	Model
1.	Propeller	TL Ultralight	OEM series
2.	Propeller	Woodcomp	3B SR117 series
3.	Propeller	Woodcomp	3B SR200 series
4.	Propeller	Woodcomp	2B/3B SR3000 series
5.	Propeller	Woodcomp	3B Propulse
6.	Propeller	Woodcomp	3B Simitar
7.	Propeller	DUC	3B Swirl/Flash
8.	Propeller	IVO	3B MED only
9.	Propeller	Sensenich	2A/3B series
10.	Propeller	Fiti	3B non Gnd Adj

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D. Communication

	Item Description	Manufacturer	Model
1.	Audio panel	PS Engineering	PM6000
2.	Audio panel	Garmin	GMA240-340
3.	Emergency Locator Transmitter	Ameri-King	450 – 451
4.	Emergency Locator Transmitter	ACK	E-04 406
5.	Emergency Locator Transmitter	Emerging Technologies	ELT406GPS
6.	Emergency Locator Transmitter	Kannad Aviation	AF406
7.	Intercom	PS Engineering	PM501
8.	Intercom	PS Engineering	PM1000
9.	Intercom	PS Engineering	PM3000
10.	Remote Transponder	Trig Avionics	TT21-22
11.	Remote Transponder	Dynon Avionics	GTX23 ES
12.	Transponder	Garmin	GTX320A
13.	Transponder	Garmin	GTX327
14.	Transponder	Garmin	GTX330
15.	Transponder	Becker	AR4401
16.	VHF Radio	Garmin	SL40/GTR Series
17.	VHF Radio	Icom	A200-210
18.	VHF Radio	Xcom	760 + Options
19.	VHF Radio	Becker	AR-401
20.	VHF Radio	MicroAir	200SFL
21.	VHF Radio	Becker	AR4201
22.	VHF Radio	MicroAir	M760
23.	VHF Radio	Flight Line	FL-760
24.	VHF Radio	Dynon	Skyview internal
25.	VHF/VOR/ ILS Nav Radio	Garmin	SL30/GNC Series
26.	Transponder Antenna	TL Ultralight	OEM
27.	Transponder Antenna	Comant	C101
28.	Transponder ADSB Antenna	Comant	C105
29.	Trim Tab Extension	TL Ultralight	OEM
30.	VHF Antenna	TL Ultralight	OEM
31.	VHF Antenna	TL Ultralight	SS
32.	VHF Antenna	Comant	CI-292
33.	VOR / ILS Antenna	Comant	CI158C
34.	VOR / ILS Antenna	Comant	CI120-400 series

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E. Electrical

	Item Description	Manufacturer	Model
1.	Auxiliary Electrical Alternator	B&C	SD-20S12v+ Options
2.	Aux Electrical Regulator	B&C	LR3C-14
3.	Cabin Light	TL Ultralight	LED
4.	Cabin Light	ForeSight	LED
5.	Battery	TL Ultralight	OEM(or Equivalent)
6.	Battery	Varta	YTX9-BS
7.	Battery	Odyssey	PC series
8.	Battery	PowerMax	XTX9-BS
9.	Battery	MotoBatt	MB12U/15A/ CCA 160
10.	EMS/EFIS Battery BU System	TruTrak Avionics	All, Series
11.	EMS/EFIS Battery BU System	Dynon	All, Series
12.	EMS/EFIS Battery BU System	TCW Avionics	IBBS Series
13.	EMS/EFIS Battery BU System	Microel Avionics	703020 Series
14.	EMS/EFIS Battery BU System	GRT	All, Series
15.	EMS/EFIS Battery BU System	Advanced	All, Series
16.	EMS/EFIS Battery BU System	Foresight	All, Series
17.	Electrical Load System	Vertical Power	VP-X Series
18.	Landing/Taxi Light	TL Ultralight	Halogen
19.	Landing/Taxi Light	AeroLED	1600 Series
20.	Landing/Taxi Light	Whelen	A775
21.	Landing/Taxi Light	Kuntzleman	LED
22.	Landing/Taxi Light	Foresight	LED
23.	Landing/Taxi Light	Xevision	XV Series
24.	Navigation Lights	TL Ultralight	OEM
25.	Navigation/Strobe Lights	TL Ultralight	OEM
26.	Navigation/Strobe Lights	Avero	Dual/Triple/LED
27.	Navigation/Strobe Lights	Kuntzleman	Dual/Triple/LED
28.	Wig Wag Lighting	ForeSight	LED 4

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F. Autopilot, Engine EMS/EIS/EMS and Detection Systems

Item Description	Manufacturer	Model
1. Autopilot System, Steering, Altitude	TruTrak	All Series
2. Autopilot System, Steering, Altitude	TruTrak	All Series
3. Autopilot System, Steering, Altitude	TruTrak	All Series
4. Autopilot System, Steering, Altitude	Dynon	All Series
5. Autopilot System, Steering, Altitude	Grand Rapids	All Series
6. Autopilot System, Steering, Altitude	Advance	All Series
7. Autopilot System, Steering, Altitude	Trio	All Series
8. Autopilot System, Steering, Altitude	Micorel	All Series
9. Aircraft Fatigue Meter	TL Electronic	TL-4324 Series
10. EIS-Engine Information System	Grand Rapids	2000/4000 Series + Options
11. EMS-Engine Management System	I-K Technology	Greenline Series + Options
12. EMS-Engine Management System	TruTrak	Rotax 900 Series
13. EMS-Engine Management System	Garmin	Rotax 900 Series
14. EMS-Engine Management System	Dynon	Rotax 900 Series
15. EMS-Engine Management System	Grand Rapids	Rotax 900 Series
16. EMS-Engine Management System	Miroel	Rotax 900 Series
17. EMS-Engine Management System	TL Electronic	Rotax 900 Series
18. EMS-Electrical Management System	Vertical Power	Series
19. EVS Enhanced Vision System	ForeSight	All Series
20. Fire Extinguisher	TL Ultralight	OEM
21. Fire Extinguisher	H3R Aviation	RT Series
22. PCAS Traffic Alert System	Zaon	All Series
23. Stall Warning System	ACI	10-00235
24. Stall Warning System	Reddish	Mark 1
25. Weather Avoidance System	Strike Finder	SF 2000 Series
26. Voice Annunciator System	Electronics International	AV-17

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G. Fuel and Pitot System

	Item Description	Manufacturer	Model
1.	Gascolator	TL Ultralight	OEM
2.	Gascolator	Andair	GAS375-H
3.	Gascolator	ACS	10580
4.	Electrical Fuel Pump	Facet,	40105/6 (6psi max)
5.	Fuel selector valve/fittings	TL Ultralight	OEM
6.	Fuel selector valve/fittings	SPRL	Series
7.	Fuel Selector valve/fittings	Andair	FS20F4-HSeries
8.	Fuel Flow System	Trutrak	All Series
9.	Fuel Flow System	Grand Rapids	All Series
10.	Fuel Flow System	Dynon	All Series
11.	Fuel Flow System	Advanced	All Series
12.	Fuel Flow System	Electronics International	FP-5
13.	Fuel Flow System	Microel	FC-1
14.	Fuel one-way check valve	Lockwood	EACVF
15.	Fuel one way check valve	Andair	CK250-HB2
16.	Fuel Tank Cap	TL Ultralight	OEM
17.	Fuel Tank Cap	SPRL	Aero 300, GS, Series
18.	Mechanical Fuel Pump	BilletPump	Series
19.	Pitot-Tube/System	TL Ultralight	OEM Heated/Unheated
20.	Pitot Tube System	SpaceAge	425402 Heated/Unheated
21.	Pitot AOA System	Advanced	Heated/Unheated Series
22.	Pitot AOA System	Dynon	Heated/Unheated Series
23.	Pitot-AOA System	RiteAngle	Heated/Unheated Series

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H. Instrumentation

	Item Description	Manufacturer	Model
1.	Airspeed Indicator	TL Ultralight	OEM
2.	Airspeed Indicator	UMA	2.25" – 3.125"
3.	Airspeed indicator	Winter	2.25" – 3.125"
4.	Altitude Encoder	Ameri-King	350
5.	Altitude Encoder	ACK	ACK30
6.	Altimeter, Hg	TL Ultralight	OEM
7.	Altimeter, Hg	UMA	2.25"- 3.125"
8.	Artificial Horizon	TruTrak	2.25" – 3.125"
9.	Artificial Horizon	Sigma-Tek	1U670-002
10.	Artificial Horizon	RC Allen	2.25" – 3.125"
11.	Course Deviation Indicator	Garmin	GI-106
12.	Course Deviation Indicator	Mid-Continent	200300 Series
13.	Cylinder Temperature Gauge	TL / Falcon / UMA	2.25"
14.	Directional Gyro	Falcon	10-01798
15.	Directional Gyro	RC Allen	RCA 15 Series
16.	Directional Gyro	Sigma-Tek	4000C-1
17.	Engine Hour Meter	Hobbs	85000-98000, Series
18.	Exhaust Temperature Gauge	TL / Falcon / UMA	2.25"
19.	Differential Fuel Pressure Gauge	UMA	N1EU07D, w sensor
20.	Fuel Gauge	TL / Falcon / UMA	2.25"
21.	Magnetic Compass	TL Ultralight / UMA	Pedestal
22.	Magnetic Compass	UMA	PA1700
23.	Magnetic Compass	Precision	10-00421
24.	Magnetic Compass	AirPath	C24000-L4P
25.	Magnetic Compass	Silva	70 Series
26.	Magnetic Compass, Vertical Card	UMA/Falcon	Use with mount
27.	Oil Temperature Gauge	TL / Falcon / UMA	2.25"
28.	Oil Pressure Gauge	TL / Falcon / UMA	2.25"
29.	Turn & Bank	TruTrak	2.25" – 3.125"
30.	Turn & Bank	RC Allen	2.25" – 3.125"
31.	Turn & Bank	MLG	AV-2
32.	Turn Coordinator	Falcon	TC02E-3-2
33.	Tachometer	Rotax / UMA	2.25" – 3.125"
34.	Tachometer	TL Ultralight / UMA	2.25" – 3.125"
35.	Vertical Velocity	TL /Falcon / UMA	2.25" – 3.125"

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J. Navigation, Electronic Display Systems (EFIS-EMS-EVS)

	Item Description	Manufacturer	Model
1.	EFIS/EMS Elect Flight Information System	True Flight	FL210 Series + Options
2.	EFIS/EMS Elect Flight Information System	Dynon	D10/100/120/180 Series + Options
3.	EFIS/EMS Elect Flight Information System	Dynon	SkyView Series + Options
4.	EFIS/EMS Elect Flight Information System	TruTrak	All, Series + Options
5.	EFIS/EMS Elect Flight Information System	Garmin	G600/500/200/G3X Series +
6.	EFIS/EMS Elect Flight Information System	Grand Rapids	Sport/Horizon Series + Options
7.	EFIS/EMS Elect Flight Information System	Advanced	3000/4000/5000 Series + Options
8.	EFIS/EMS Elect Flight Information System	Op Technologies	F6000, F7000 Series + Options
9.	EFIS/EMS Elect Flight Information System	MGL Avionics	Voyager/Odyssey Series
10.	EFIS/EMS Elect Flight Information System	MGL Avionics	Explorer/Challenger Series
11.	EFIS/EMS Elect Flight Information System	TL Electronic	Integra Series
12.	EFIS/EMS Elect Flight Information System	Aerosonic	All Series
13.	EFIS/EMS Elect Flight Information System	Micorel Avionics	All Series
14.	GPS Navigation System	Garmin	GPS296 / 295
15.	GPS Navigation System	Garmin	GPS396 / 395
16.	GPS Navigation System	Garmin	GPS496 / 495
17.	GPS Navigation System	Garmin	GPS696 / 695
18.	GPS Navigation System	Garmin	GPS796 / 795
19.	GPS Navigation System	Garmin	GNS400 series + Options
20.	GPS Navigation System	Garmin	GNS500 series + Options
21.	GPS Navigation System	Garmin	GTN600 series + Options
22.	GPS Navigation System	Garmin	GTN700 series + Options
23.	GPS Navigation System	Garmin	G3X Series + Options
24.	GPS Navigation System	Garmin	GDU370 / 375 Series
25.	GPS Navigation System	Garmin	Aera Series
26.	GPS Navigation System	AvMap	EKPIV Series
27.	GPS Navigation System	Adventure	I Fly, All Series

General notes:

1. Manufacturers' model numbers are updated with each issue of this notice.
2. Some reference numbers apply to products available on-line from: www.aircraftspruce.com
3. Please send errata corrections to: info@sportair.aero

END

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