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SERVICE INSTRUCTION

DATE: April 22, 2020

Service Instruction No. 1060U
(Supersedes Service Instruction No. 1060T)
Engineering Aspects are
FAA Approved

SUBJECT: Push Rod Identification

MODELS AFFECTED: All Lycoming aircraft engines.

TIME OF COMPLIANCE: Anytime push rod replacement is necessary.

REASON FOR REVISION Added IO-390-D to Tables 2 and 4. Revised CAUTION and NOTICE on page 1.

This Service Instruction lists current and superseded push rod part numbers on Lycoming engine models. The data is presented in four tables based on whether the engine has flat tappets, roller tappets and whether the engine has standard wall vs. heavy wall push rods.

- Table 1 identifies engine models with flat tappets and push rods with standard walls.
- Table 2 identifies engine models with roller tappets and push rods with standard walls.
- Table 3 identifies engine models with flat tappets and push rods with heavy walls.
- Table 4 identifies engine models with roller tappets and push rods with heavy walls.

CAUTION DO NOT USE STANDARD WALL PUSH RODS AS REPLACEMENTS FOR HEAVY WALL PUSH RODS.

NOTICE: Old part numbers may be used interchangeably with equivalent new part numbers. For O-235 engines, refer to latest revision of Service Instruction No. 1480.



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Table 1
Flat Tappet Engine Models with Standard Wall Push Rods

Push Rod P/N	Superseded Push Rod P/N	Approximate Length		Lycoming Engine Models
		In.	Cm.	
15F28835-11	15F19957-11	11.882	30.180	(Intake and Exhaust)
15F28835-12	15F19957-12	11.909	30.249	O-290-D2
15F28835-13	15F19957-13	11.936	30.317	O-320
15F28835-14	15F19957-14	11.963	30.386	IO-320
15F28835-15	15F19957-15	11.990	30.455	AIO-320 LIO-320 AEIO-320
15F28835-17	15F19957-17	12.033	30.564	(Intake and Exhaust)
15F28835-18	15F19957-18	12.060	30.632	O-340
15F28835-19	15F19957-19	12.087	30.701	
15F28835-20	15F19957-20	12.114	30.770	
15F28835-34	15F19957-34	12.492	31.730	(Intake and Exhaust)
15F28835-35	15F19957-35	12.515	31.788	O-360
15F28835-36	15F19957-36	12.537	31.844	LO-360
15F28835-37	15F19957-37	12.560	31.902	IO-360-B, -E, -F, -L, -M HO-360-C1A HIO-360-B, -G VO/IVO-360 AEIO-360-B, -H GO/VO/TVO-435 GO/GSO/IGSO-480 O-540-A, -B, -E, -F, -G, -H, -J, -L IO-540-C, -D, -J, -N, -R, -T, -V, -W, -AB, -AG TIO-540-C, -E, -G, -H, -AA, -AB, -AF, -AK AEIO-540-D
15F28835-34	15F19957-34	12.492	31.730	(Intake and Exhaust)
15F28835-35	15F19957-35	12.515	31.788	HO-360-A, -B1A, -B1B
15F28835-36	15F19957-36	12.537	31.844	HIO-360-B1A
15F28835-45	15F19957-45	12.777	32.454	(Exhaust Only)
15F28835-46	15F19957-46	12.804	32.522	IO-540-B, -E, -M, -S, -U, AG
15F28835-47	15F19957-47	12.831	32.591	TIO-540-A, -F, -J, -N, -R, -S
15F28835-48	15F19957-48	12.858	32.659	LTIO-540-F, -J, -N -R IO-720-B, -C
15F28835-55	15F19957-55	13.034	33.106	(Intake Only)
15F28835-56	15F19957-56	13.061	33.175	IO-540-B, -E, -M, -S, -U, AG
15F28835-57	15F19957-57	13.088	33.244	TIO-540-A, -F, -J, -N, -R, -S
15F28835-58	15F19957-58	13.115	33.312	LTIO-540-F, -J, -N, -R IO-720-B, -C

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Table 1 (Cont.)
Flat Tappet Engine Models with Standard Wall Push Rods (Cont'd.)

Push Rod P/N	Superseded Push Rod P/N	Approximate Length		Lycoming Engine Models
		In.	Cm.	
15F28835-55	15F19957-55	13.034	33.106	(Intake and Exhaust)
15F28835-56	15F19957-56	13.061	33.175	IO-360-A, -C, -D, -J
15F28835-57	15F19957-57	13.088	33.244	AIO-360
15F28835-58	15F19957-58	13.115	33.312	HIO-360-A, -C, -E LIO-360-C TIO-360-A1B AEIO-360-A IO-540-A, -G, -K, -L, -P, -S, -AA, -AE HIO-540-A TIO-540-AE, -AH, -U LTIO-540-U AEIO-540-L IO-580-B IO-720-A, -D
15F28835-62	15F19957-62	13.225	33.592	(Intake and Exhaust)
15F28835-63	15F19957-63	13.252	33.660	TO -360-C, -F
15F28835-64	15F19957-64	13.279	33.729	TIO-360-C1A6D
15F28835-65	15F19957-65	13.306	33.797	
15F28835-63	15F19957-63	13.252	33.660	(Intake and Exhaust)
15F28835-64	15F19957-64	13.279	33.729	IO-540-AC
15F28835-65	15F19957-65	13.306	33.797	TIO-540-V, -W, -AJ, -AH
15F28835-66	15F19957-66	13.333	33.866	LTIO-540-V, -W
15F28835-67	15F19957-67	13.360	33.934	
15F28835-68	15F19957-68	13.387	34.003	
LW-15315	-----	13.410	34.061	(Intake and Exhaust) O-320-H
LW-15324	-----	13.960	35.458	(Intake and Exhaust) O-360-E LO-360-E TO/LTO-360-E
15F28835-52	15F19957-52	12.953	32.901	(Intake and Exhaust)
15F28835-53	15F19957-53	12.980	32.969	TEO-540-C1A
15F28835-54	15F19957-54	13.007	33.038	
15F28835-55	15F19957-55	13.034	33.106	
15F28835-56	15F19957-56	13.061	33.175	
15F28835-57	15F19957-57	13.088	33.244	
15F28835-58	15F19957-58	13.115	33.312	

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Table 2
Roller Tappet Engine Models with Standard Wall Push Rods

Push Rod P/N	Superseded Push Rod P/N	Approximate Length		Lycoming Engine Models
		In.	Cm.	
15F28835-08	15F19957-08	11.801	29.975	(Intake and Exhaust)
15F28835-09	15F19957-09	11.828	30.043	O-320
15F28835-10	15F19957-10	11.865	30.137	IO-320
15F28835-11	15F19957-11	11.882	30.180	LIO-320
15F28835-12	15F19957-12	11.909	30.249	AEIO-320-D, -E
15F28835-28	15F19957-28	12.368	31.415	(Intake and Exhaust)
15F28835-29	15F19957-29	12.391	31.473	O-360
15F28835-30	15F19957-30	12.414	31.532	HO-360-C1A
15F28835-31	15F19957-31	12.437	31.590	IO-360-B, -E, -F, -L, -M, -N, -P
15F28835-32	15F19957-32	12.459	31.646	LO-360
15F28835-33	15F19957-33	12.482	31.704	HIO-360-G
15F28835-34	15F19957-34	12.492	31.730	LIO-360-B1G6, -M1A
				AEIO-360-B, -H
				O-540-A, -B, -E, -F, -G, -H, -J, -L
				IO-540-A, -C, -D, -J, -N, -R, -T, -V, -W, -AB;
				-AF
				AEIO-540-D
15F28835-28	15F19957-28	12.368	31.415	(Intake and Exhaust)
15F28835-29	15F19957-29	12.391	31.473	HIO-360-B
15F28835-30	15F19957-30	12.414	31.532	
15F28835-31	15F19957-31	12.437	31.590	
15F28835-32	15F19957-32	12.459	31.646	
15F28835-33	15F19957-33	12.482	31.704	
15F28835-34	15F19957-34	12.492	31.730	
15F28835-35	15F19957-35	12.515	31.788	
15F28835-42	15F19957-42	12.696	32.248	(Exhaust Only)
15F28835-43	15F19957-43	12.723	32.316	IO-540-B, -E, -M, -U
15F28835-44	15F19957-44	12.750	32.385	
15F28835-45	15F19957-45	12.777	32.454	
15F28835-46	15F19957-46	12.804	32.522	
15F28835-47	15F19957-47	12.831	32.591	
15F28835-48	15F19957-48	12.858	32.659	
15F28835-52	15F19957-52	12.953	32.901	(Intake Only)
15F28835-53	15F19957-53	12.980	32.969	IO-540-B, -E, -M, -U
15F28835-54	15F19957-54	13.007	33.038	
15F28835-55	15F19957-55	13.034	33.106	
15F28835-56	15F19957-56	13.061	33.175	
15F28835-57	15F19957-57	13.088	33.244	
15F28835-58	15F19957-58	13.115	33.312	

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Table 2 (Cont.)
Roller Tappet Engine Models with Standard Wall Push Rods (Cont'd)

Push Rod P/N	Superseded Push Rod P/N	Approximate Length		Lycoming Engine Models
		In.	Cm.	
15F28835-51	15F19957-51	12.926	32.832	(Intake and Exhaust)
15F28835-52	15F19957-52	12.953	32.901	IO-360-A, -C
15F28835-53	15F19957-53	12.980	32.969	AEIO-360-A
15F28835-54	15F19957-54	13.007	33.038	IO-390-A, -C, -D
15F28835-55	15F19957-55	13.034	33.106	HIO-390-A1A
15F28835-56	15F19957-56	13.061	33.175	AEIO-390-A
15F28835-52	15F19957-52	12.953	32.901	(Intake and Exhaust)
15F28835-53	15F19957-53	12.980	32.969	IO-540-A, -G, -K, -L, -P, -S, -AA, -AE
15F28835-54	15F19957-54	13.007	33.038	AEIO-540-L
15F28835-55	15F19957-55	13.034	33.106	IO-580-B
15F28835-56	15F19957-56	13.061	33.175	AEIO-580-B
15F28835-57	15F19957-57	13.088	33.244	TEO-540-A1A
15F28835-58	15F19957-58	13.115	33.312	
15F28835-59	15F19957-59	13.144	33.386	(Intake and Exhaust)
15F28835-60	15F19957-60	13.171	33.454	IO-540-AC1A5
15F28835-61	15F19957-61	13.198	33.523	TIO-540-AJ1A
15F28835-62	15F19957-62	13.225	33.592	
15F28835-63	15F19957-63	13.252	33.660	
15F28835-64	15F19957-64	13.279	33.729	
15F28835-65	15F19957-65	13.306	33.797	
15F28835-66	15F19957-66	13.333	33.866	
15F28835-67	15F19957-67	13.360	33.934	
15F28835-68	15F19957-68	13.387	34.003	

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Table 3
Flat Tappet Engine Models with Heavy Wall Push Rods

Push Rod P/N	Superseded Push Rod P/N	Approximate Length		Lycoming Engine Models
		In.	Cm.	
76180 76181 76182 76183	----- ----- ----- -----	13.963 14.000 14.037 14.074	35.466 35.560 35.654 35.748	(Intake and Exhaust) TIO-541-E TIGO-541
15F28864-11 15F28864-12 15F28864-13 15F28864-14	15F21362-11 15F21362-12 15F21362-13 15F21362-14	12.777 12.804 12.831 12.858	32.454 32.522 32.591 32.659	(Exhaust Only) IO-540-E, -M, -S, -AG1A5 IGO/IGSO-540 TIO-540-A, -F, -J, -N, -R, -S LTIO-540-F, -J, -N, -R
15F28864-21 15F28864-22 15F28864-23 15F28864-24	15F21362-21 15F21362-22 15F21362-23 15F21362-24	13.034 13.061 13.088 13.115	33.106 33.175 33.244 33.312	(Intake Only) IO-540-E, -M, -S, -AG IGO/IGSO-540 TIO-540-A, -F, -J, -N, -R, -S LTIO-540-F, -J, -N, -R
15F28864-21 15F28864-22 15F28864-23 15F28864-24	15F21362-21 15F21362-22 15F21362-23 15F21362-24	13.034 13.061 13.088 13.115	33.106 33.175 33.243 33.312	(Intake and Exhaust) IO-360-A, -C, -D, -J HIO-360-A, -C, -E LIO-360-C TIO-360-A1B AEIO-360-A IO-540-G, -K, -L, -AA, -AE TIO-540-U, -L, -AE, -AH LTIO-540-U AEIO-540-L VO/TVO/TIVO-540 IGO/IGSO-540-A IO-580-B IO-720-A, -D
15F28864-19 15F28864-20 15F28864-21 15F28864-22 15F28864-23 15F28864-24	15F21362-19 15F21362-20 15F21362-21 15F21362-22 15F21362-23 15F21362-24	12.980 13.007 13.034 13.061 13.088 13.115	32.969 33.038 33.106 33.175 33.244 33.312	(Intake and Exhaust) HIO-360-D, -F
15F22200	73806*◆●	11.544	29.322	(Intake and Exhaust) O-235
62156◆	-----	11.933	30.310	(Intake and Exhaust) O-290

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Table 3
Flat Tappet Engine Models with Heavy Wall Push Rods (Continued)

Push Rod P/N	Superseded Push Rod P/N	Approximate Length		Lycoming Engine Models
		In.	Cm.	
15F28864-18	15F21362-18	12.953	32.901	(Intake and Exhaust) TEO-540-C1A
15F28864-19	15F21362-19	12.980	32.969	
15F28864-20	15F21362-20	13.007	33.038	
15F28864-21	15F21362-21	13.034	33.106	
15F28864-22	15F21362-22	13.061	33.175	
15F28864-23	15F21362-23	13.088	33.244	
15F28864-24	15F21362-24	13.115	33.312	

- * See latest revision of Service Bulletin No. 453.
- ◆ Do not reuse these part numbers at overhaul. Refer to latest revision of Service Bulletin No. 240.
- P/N 73806 push rod is no longer available from Lycoming Engines. Refer to latest revision of Service Instruction No. 1480.

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Table 4
Roller Tappet Engine Models with Heavy Wall Push Rods

Push Rod P/N	Superseded Push Rod P/N	Approximate Length		Lycoming Engine Models
		In.	Cm.	
15F28864-08	15F21362-08	12.696	32.248	(Exhaust Only) IO-540-M
15F28864-09	15F21362-09	12.723	32.316	
15F28864-10	15F21362-10	12.750	32.385	
15F28864-11	15F21362-11	12.777	32.454	
15F28864-12	15F21362-12	12.804	32.522	
15F28864-13	15F21362-13	12.831	32.591	
15F28864-14	15F21362-14	12.858	32.659	
15F28864-18	15F21362-18	12.953	32.901	(Intake Only) IO-540-M
15F28864-19	15F21362-19	12.980	32.969	
15F28864-20	15F21362-20	13.007	33.038	
15F28864-21	15F21362-21	13.034	33.106	
15F28864-22	15F21362-22	13.061	33.175	
15F28864-23	15F21362-23	13.088	33.244	
15F28864-24	15F21362-24	13.115	33.312	
15F28864-17	15F21362-17	12.926	32.832	(Intake and Exhaust) IO-360-A, -C LIO-360-C AEIO-360-A IO-390-A, -C, -D HIO-390-A1A AEIO-390-A
15F28864-18	15F21362-18	12.953	32.901	
15F28864-19	15F21362-19	12.980	32.969	
15F28864-20	15F21362-20	13.007	33.038	
15F28864-21	15F21362-21	13.034	33.106	
15F28864-22	15F21362-22	13.061	33.175	
15F28864-18	15F21362-18	12.953	32.901	(Intake and Exhaust) IO-540-K, -L, -S, -AA, -AE AEIO-540-L IO-580-B AEIO-580-B TEO-540-A1A
15F28864-19	15F21362-19	12.980	32.969	
15F28864-20	15F21362-20	13.007	33.038	
15F28864-21	15F21362-21	13.034	33.106	
15F28864-22	15F21362-22	13.061	33.175	
15F28864-23	15F21362-23	13.088	33.244	
15F28864-24	15F21362-24	13.115	33.312	

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