

## **MAULE MODIFICATION KIT INDEX**

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#	DESCRIPTION	MODELS AFFECTED
1	<b>M-7-235 modified to an M-7-235B</b> by replacing existing Wing Assemblies, Ailerons and Flaps with shorter Wings Assemblies 2150X-36L/36R, larger 5' Ailerons and shorter Flaps.	M-7-235 **
2	<b>M-5-180C modified to an M-5-235C.</b>	M-5-180C *
3	<b>M-7-235 modified to an M-7-235A</b> by replacing existing Ailerons and Flaps with larger 5' Ailerons and shorter Flaps.	M-7-235
4	<b>M-7-235, s/n 400IC-4022C</b> , modified by replacing existing M-7 Rudder without TAB with <b>M-7 Rudder w/TAB.</b> (effect. on listed s/n's only)	M-7-235 (400IC-4022C)
5	<b>M-7 modified by replacing the existing 15 gallon Auxiliary Fuel Tanks with 21 Gallon Fuel Tanks.</b>	M-7-235, M-7-235A, M-7-420
6	<b>M-4-220C modified to an M-4C</b> by replacing existing Franklin 6A-350-C1 Engine with a Continental 0-300-A or B Engine.	M-4-220C *
7	<b>MX-7-180 modified to an MX-7-180B</b> by replacing existing Wing Assemblies, Ailerons, Flaps and Rudder with longer Wing Assemblies (2150X-36L/R, -40L/R, -43L/R or -48L/R), 5' Ailerons, longer Flaps, and larger Rudder.	MX-7-180 **
8	<b>M-5 modified by installing 5<sup>th</sup> Seat</b> in rear Cabin.	M-5 (All)
9	<b>Auxiliary Fuel Tank Kit</b> for M-4-210/210C and M-4-220C. (For retrofitting Auxiliary fuel tanks)	M-4-210/210C M-4-220C
10	<b>Maule M-4-220C modified</b> by replacing existing M-4 Wing Assemblies, Ailerons, Flaps and 15°/35° Flap Ratchet with <b>M-5 Wing Assemblies, Ailerons, Flaps and 20°/40° Flap Ratchet.</b>	M-4-220C
11	Addition of <b>48° Flap Setting</b> to <b>MX-7-160, MX-7-180A, MX-7-180B, M-7-235B</b> Land planes (for s/n's 1900IC-19034C, 19041C, 2000IC-20026C, 20028C, 20029C, 2003IC-20035C, 2203C, 22006C, 22007C, 2300IC-23003C, 23005C-23010C, 23012C).	MX-7-160, MX-7-180A/ 180B, M-7-235B
12	<b>Drum Brakes</b> changed to <b>Disc Brakes</b> - Single and Dual	M-4's
14	<b>MX-7-180 modified to MX-7-235.</b>	MX-7-180 *
15	<b>All M-5's modified</b> by replacing existing M-5 Wing Assemblies with <b>M-5 Wing Assemblies p/n 2110X-30 (w/23 gal. Mains, 2167X and 11.5 gal. Aux.)</b> .	M-5-180C/200/210C /210TC/220C/235C
16	<b>M-5-180C modified to an MX-7-180B</b> by replacing existing M-5 Wings, Rudder & Flap Control System with new " <b>Universal</b> " Wing Assemblies 2150X-36/-40/-43/-48 & -30 Rudder and <b>3240F</b> Flap Control System	M-5-180C **
17	<b>M-4C, M-4-180C, M-4-210C or M-4-220C modified to M-4-180C with 180 hp Lycoming O-360 C1F</b> with a Fixed Pitch or Constant Speed Prop or a Lycoming <b>O-360-C4F</b> Engine with a Fixed Pitch Propeller.	M-4C, M-4-180C, M-4-210C, M-4-220C *
18	<b>Rudder Trim control</b> added to all M-4 s/n's at owner's discretion. <b>(Approval Pending)</b>	M-4/C/S/T
19	<b>M-5-210C modified</b> by replacing Continental IO-360-D Engine with IO-360-A Engine.	M-5-210C *
20	<b>Air Box Adapter Modification for new Heater Kit for 180's. (Approval Pending)</b>	180's
21	<b>M-5-210TC Upgross to 2500# w/20°/40° Flap Ratchet.</b>	M-5-210TC
22	<b>M-6-180 modified to an MX-7-180B</b> by replacing existing Ailerons, Flaps, Wing tips and Rudder with <b>5' Ailerons</b> , shorter flaps, squared Wing Tips and larger <b>3212F-30 Rudder.</b>	M-6-180 **
23	<b>M-5-220C modified to an M-5-210C</b> by replacing existing Franklin 6A-350-C1 (220 hp) Engine with <b>Continental IO-360-A or D</b> (210 hp) Engine.	M-5- 220C *
24	<b>M-5-235C modified to an MX-7-235</b> by replacing existing M-5 Wings and 3057F Flap Control System with <b>MX-7 Wing Assemblies 2140X-42 or-50</b> and <b>3240F</b> Flap Control System <b>(Approval on hold until needed by someone - C-428)</b>	M-5-235C **

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<b>25</b>	<b>M-6-235 (s/n's 7473C-7521C) modified by replacing existing Ailerons, Flaps with larger 5' Ailerons, shorter Flaps.</b>	<b>M-6-235</b> (7473C-7521C)
<b>26</b>	<b>M-6-235 (s/n's 7249C,7356C-7472C) modified by replacing existing Ailerons, Flaps, Wing Tips &amp; Rudder with larger 5' Ailerons, shorter Flaps, squared Wing Tips and larger 3212F-30 Rudder.</b>	<b>M-6-235</b> (7249C, 7356C-7472C)
<b>27</b>	<b>M-6-235 (s/n's 7249C,7356C-7472C) modified by replacing existing Wing Assemblies, Ailerons, Flaps and Rudder with new "Universal" Wing Assemblies, larger 5' Ailerons, shorter Flaps and larger 3212F-30 Rudder.</b>	<b>M-6-235</b> (7249C, 7356C- 7472C)
<b>28</b>	<b>M-6-235 (s/n's 7473C-7521C) modified by replacing existing Wing Assemblies, Ailerons, Flaps with new "Universal" Wing Assemblies, larger 5' Ailerons and shorter Flaps.</b>	<b>M-6-235</b> (7473C-7521C)
<b>29</b>	<b>M-5-235C modified to an M-5-210C by replacing existing Lycoming O-540 or IO-540 Engine with Continental IO-360-A or D Engine.</b>	<b>M-5-235C *</b>
<b>30</b>	<b>MX-7-160 modified to MX-7-180A/B or MXT-7-160 modified to MXT-7-180/A by replacing existing Lycoming O-320-B2D engine with Lyc. O-360-C1F/C4F.</b>	<b>MX-7-160</b> <b>MXT-7-160 *</b>
<b>31</b>	<b>MX-7-420 modified by replacing existing Wing Assemblies, Ailerons, Flaps with new "Universal" Wing Assemblies (2150X-36L/R, -40L/R, -43L/R or -48L/R), 5' Ailerons, and longer Flaps.</b>	<b>MX-7-420</b>
<b>32</b>	<b>MX-7-180C modified by replacing existing "Universal" Wing Assemblies, 5' Ailerons, and Flaps with original shorter MX7 Wing Assemblies (2140X- 42), (53" long) Ailerons, and (109 3/8" long) Flaps.</b>	<b>MX-7-180C</b>
<b>33</b>	<b>Early M-6-235 (s/n 7249C, 7356C-7472C) modified by replacing existing Auxiliary Fuel Tanks with 21 Gallon Aux. Fuel Tanks (P/N 2117X-21/22).</b>	<b>M-6-235</b>
<b>34</b>	<b>Revised battery location and Forward C.G. Envelope -180 and -160 models</b>	<b>MX-7-160/C/180A/ B/C, MXT-7-180/A</b>
<b>35</b>	<b>Maule M-5/M-6 Series modified by changing Fuselage Wood Stringers to Steel Stringers</b>	<b>All M-5/M-6's</b>
<b>36</b>	<b>M-4 modified by changing to later Fuel System and Propeller.</b>	<b>M-4 (3-23,25-45)</b>
<b>37</b>	<b>MX-7-180A (Has C1F engine modified for Fixed Pitch) modified to MX-7-180B (Re-modifies existing C1F for Constant Speed)</b>	<b>MX-7-180A *</b> (w/C1F)
<b>38</b>	<b>MX-7-235 modified to M-6-235 (w/Universal Wings)</b>	<b>MX-7-235</b>
<b>39</b>	<b>M-6-235 and MX-7-235 modified to M-7-235A.</b>	<b>M-6-235,</b> <b>MX-7-235 **</b>
<b>40</b>	<b>M-5-200 modified to M-5-235C.</b>	<b>M-5-235C *</b>
<b>41</b>	<b>Maule M-4-210/C modified by replacing existing M-4 Wing Assemblies, Ailerons, Flaps and 15°/35° Flap Ratchet with M-5 Wing Assemblies p/n 2110X-30 (23 gal main/11.5 gal Aux.), Ailerons, Flaps and 20°/40° Flap Ratchet.</b>	<b>M-4-210/C **</b>
<b>42</b>	<b>M-4-210/C modified to an M-4/C by replacing existing Continental IO-360-A or D Engine with a Continental O-300-A or B Engine.</b>	<b>M-4-210/C *</b>
<b>43</b>	<b>M-4/C modified to an M-4-210/C by replacing existing Continental O-300-A or B Engine with a Continental IO-360-A or D Engine.</b>	<b>M-4/C *</b>
<b>44</b>	<b>Super skylight Installation</b>	<b>All Models</b>
<b>45</b>	<b>Maule M-4 Series modified by changing Fuselage Wood Stringers to Steel Stringers</b>	<b>All M-4's</b>
<b>46</b>	<b>MXT-7-180A (Fixed Pitch) modified to MXT-7-180 (CS) by replacing existing Lycoming O-360-C4F Engine &amp; Sensenich Prop with O-360-C1F Engine and Hartzell constant Speed Prop.</b>	<b>MXT-7-180A *</b>
<b>47</b>	<b>MXT-7-180A modified to an M-7-235B by replacing existing Fuselage, Nose Gear, Spring Gear and Lycoming O-360 Engine with M-7 Fuselage, Oleo L.G., TW and Lycoming O-540 or IO-540 Engine.</b>	<b>MXT-7-180A * **</b>

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<b>48</b>	<b>M-7-235B modified to an MT-7-235</b> by replacing existing Fuselage, Oleo Landing Gear and TW with MT-7 Fuselage, Nose Gear and Spring Gear	<b>M-7-235B **</b>
<b>49</b>	<b>MXT-7-180A modified to an M-7-235C</b> by replacing existing Fuselage, Nose Gear, Spring Gear and Lycoming O-360 Engine with M-7 Fuselage, Spring Gear, TW and Lycoming O-540 or IO-540 Engine.	<b>MXT-7-180A * **</b>
<b>50</b>	<b>M-7-235C modified to an MT-7-235</b> by replacing existing Fuselage, Spring Gear and TW with MT-7 Fuselage, Nose Gear and Spring Gear	<b>M-7-235C **</b>
<b>51</b>	<b>M-4 modified by installing 23 gal. Mains p/n 2167X.</b> <i>(Not submitted – pending)</i>	<b>All M-4's</b>
<b>52</b>	<b>M-5 modified by installing 23 gal. Mains p/n 2167X.</b> <i>(Not submitted – pending)</i>	<b>All M-5's</b>
<b>53</b>	Maule <b>M-6-235</b> (s/n's 7249C, 7356C-7472C) and <b>M-6-180</b> modified by replacing existing Ailerons, Flaps and Rudder with new larger 5' Ailerons, shorter Flaps and larger <b>3212F-30</b> Rudder <i>(Not submitted – pending)</i>	<b>M-6-235</b> (7249C, 7356C-7472C) <b>M-6-180</b>
<b>54</b>	<b>MX-7-180A/AC (Fixed Pitch) modified to MX-7-180B/C (C/S)</b> by replacing existing Lycoming O-360- <b>C4F</b> Engine & Sensenich Prop with O-360- <b>C1F</b> Engine and Hartzell constant Speed Prop.	<b>MX-7-180A *</b>

\* Engine Conversions      \*\* Model conversions.

04/09/04



# MAULE SERVICE KIT INDEX

SER KIT#	DESCRIPTION	MODELS AFFECTED
1	<b>M-5-235 modified to an M-6-235.</b>	<b>M-5-235C</b>
2	Existing Gascolator replaced w/ EDO-Aire Gascolator <b>G199-105.</b>	<b>M4/M5</b> (except -145)
3	<b>M-4-180C modified to an M-4-210C. *</b>	<b>M-4-180C</b>
4	<b>M-5-180C modified to an MX-7-180.</b>	<b>M-5-180C</b>
5	Changed to Mod Kit #24 ( <b>M-5-235C modified to an MX-7-235</b> ) (Not approved-on Hold)	<b>M-5-235C</b>
6	<b>M-6-235 modified to NEW M-6</b> by replacing existing Ailerons, Wing Tips and Rudder with larger Ailerons, squared Wing Tips and a longer chord Rudder.	<b>M-6-235</b> s/n 7249C, 7356C, 7379C-7444C, 7446C-7450C, 7452C-7459C, 7461C-7466C, 7468C, 7469C, 7471C, 7472C
7	<b>M-6-235 modified to NEW M-6</b> by replacing existing Wing Assemblies w/M-6 Wing Assemblies <b>2150X-36L/36R</b> , existing Ailerons and Rudder with larger Ailerons and longer chord Rudder.	<b>M-6-235</b> s/n 7249C, 7356C, 7379C-7444C, 7446C-7450C, 7452C-7459C, 7461C-7466C, 7468C, 7469C, 7471C, 7472C
8	(Changed to Mod Kit #4 and approved)(M-7 Rudder w/Tab change)	<b>M-7-235</b> s/n 4001C-4022C
9	<b>M-5-210(C) modified to an M-5-235C. *</b>	<b>M-5-210, M-5-210C</b>
10	<b>M-5-235C modified to the (New) M-6-235.</b>	<b>M-5-235C</b>
11	<b>Dual Muffler System</b> and additional Cabin Heater Inlet -IO-360.	<b>M-4/M-5-210(C)</b>
12	<b>Installs Vent Line Check Valves</b> for Aux Fuel Tanks.	Opt. All Models
13	<b>MX-7-420 modified for Night IFR</b> non-icing flight & correction of N2 Prop RPM Indicator Red Line Limit.	<b>MX-7-420</b> s/n 13001C only
14	(Changed to MK #6 and approved)(M-4-220C changed to M-4C)	
15	<b>Removal of Eleven Pound (11#) Ballast Slug</b> from <b>M-7-235.</b>	<b>M-7-235</b> s/n 4001C-4061C only

\* Engine Conversions

4/15/04