

VAD-10041 R7.1

Laser Cut Parts List. (1/7/2024)

Status Key:

Red	<p>Replacement recommended: certain Principal Structural Elements:</p> <ul style="list-style-type: none"> • That are difficult to inspect • Integrated to Primary Flight Controls • That have any reasonable chance of fatigue cracks developing in service
Yellow	<p>Replacement recommended: Primary or Secondary Structure somewhat susceptible to fatigue damage with a moderate load and high number of loading cycles.</p> <ul style="list-style-type: none"> • Some structure has been classified as yellow because of high point loads such as boarding steps or cockpit rails. • Not all aircraft will require replacement, such as taildragger RV's that are commonly built without boarding steps.
Purple	<p>Replacement recommended only where applicable: Parts that are classified as Red for one aircraft landing gear configuration and Blue for the other.</p> <ul style="list-style-type: none"> • For example: The F-01451-L Tunnel Side ribs of an RV-14 are highly loaded in the tricycle configuration, and very lightly loaded in the taildragger configuration.
Blue	<p>Acceptable for Use: Primary Structure or Secondary structure, very low loads or load cycles leading to a part that is not susceptible to fatigue damage within many aircraft lifespans.</p>
Green	<p>Acceptable for Use: Inconsequential structure, or non structural covers or panels. Very low loads or load cycles lead to a part that is not susceptible to fatigue damage within many aircraft lifespans.</p> <ul style="list-style-type: none"> • Some parts classified as green include secondary structure that contain no fastener holes as produced; the holes are match drilled during assembly.

-Part classifications have been developed through an analysis of the airworthiness and service life of these parts. A summary of this investigation, "Laser-Cut Parts Engineering Evaluation", is available on the Van's Aircraft website.

-As of R6 of this document the "First Date in Inventory" has been updated to a highly conservative date that represents the first point in time that a Laser-cutting vendor was directed to make that specific part number. This date is before parts made it to the shelf. With certainty, for any given part number, a kit packed before this date contains a punched version of that part. After this date there is a possibility a part is laser cut.

-R7, clarifications of the parts classification Status Key. RV-12iS Empennage Part Classification Revisions.

-R7.1, Corrected missing Flap and Aileron components in the RV-14 Wing Section.

-For kits assembled as quickbuild kits or to the quickbuild stage, or beyond, Van's is evaluating and will be providing alternate means of repair where disassembly is impractical or overly burdensome.

RV-14 TAIL KIT

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
1/16/2022	1	E-00906-1	R ELEVATOR ROOT RIB	T3 .032	Replacement Recommended	Partial	
1/16/2022	1	E-01402	ELEVATOR TRIM COVER	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-01405	SPAR ELEVATOR TRIMTAB	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-01410	DBLR,TRIM ACCESS	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-01411	BRACE,REINF.DOUBLER	T3 .025	Replacement Recommended	Yes	
1/16/2022	1	E-905	LEFT ELE. RIB 9/10	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	F-01406B	BULKHEAD	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01408-L-1	SIDE FRAME	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01408-R-1	SIDE FRAME	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01409	FRAME	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01410	BULKHEAD	T3 .025	Replacement Recommended	Partial	
1/16/2022	1	F-01410A	DOUBLER BULKHEAD	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	F-01410B	BULKHEAD DOUBLER	T3 .040	Replacement Recommended	Yes	
1/16/2022	1	F-01411A	BULKHEAD	T3 .032	Replacement Recommended	Partial	
1/16/2022	1	F-01411B	BULKHEAD	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	F-01412A	BULKHEAD	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	F-01412B	BULKHEAD	T3 .032	Replacement Recommended	Partial	
1/16/2022	1	F-01414	AFT DECK	T3 .040	Replacement Recommended	Yes	
1/16/2022	1	F-01429	RIB, BELLCRANK	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01473A	ANGLE,STIFFENER	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01475A	SKIN DOUBLER	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01486A-L	J-STIFFNER, AFT FUSE	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01486A-R	J-STIFFNER, AFT FUSE	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01486B-L	J-STIFFNER, AFT FUSE	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01486B-R	J-STIFFNER, AFT FUSE	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01486C-L	J-STIFFNER, AFT FUSE	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01486C-R	J-STIFFNER, AFT FUSE	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-01486FG	J-Stiffener	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-14115-1	BRACKET,RUDDER CABLE	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-14131	RIB, UPPER AFT FUSE	T3 .032	Acceptable for Use	Yes	
1/16/2022	1	F-14147	Clip,Stiffener	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	HS-00916	STRINGER WEB	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	R-00902-1	SPAR	T3 .032	Replacement Recommended	Difficult	
1/16/2022	1	R-00904-1	RIB, BOTTOM	T3 .032	Replacement Recommended	No	
1/16/2022	1	R-00910	HORN BRACE	T3 .040	Replacement Recommended	No	
1/16/2022	1	R-00914	STIFF SHEAR CLIP	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00915A-1	STIFFENER	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00915B-1	STIFFENER	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00915C-1	STIFFENER	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00915D-1	STIFFENER	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00915E-1	STIFFENER	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00915F-1	STIFFENER	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00915G-1	STIFFENER	T3 .020	Acceptable for Use	No	
1/16/2022	1	R-00917-00918	SHIM/ATTACH STRIP	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	R-903	RUDDER TOP RIB	T0 .032 heat treated	Replacement Recommended	Yes	
1/16/2022	1	VS-704	ROOT RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-705	NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-706	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
2/4/2022	12	E-1008	ELEVATOR RIB	T3 .020	Replacement Recommended	Difficult	
2/9/2022	2	E-904	ELEVATOR TIP RIB	T0 .032 heat treated,T3 .032	Replacement Recommended	Yes	
2/9/2022	1	R-912	RUDDER C.BALANCE RIB	T0 .032 heat treated	Replacement Recommended	Yes	
2/9/2022	1	VS-707	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
4/13/2022	2	E-903	ELEVATOR TIP RIB	T0 .032	Replacement Recommended	No	
8/1/2022	2	E-00902-1	SPAR, ELEVATOR	T3 .032	Replacement Recommended	Yes	
8/1/2022	2	E-00907-1	SPAR,ELEVATOR REAR	T3 .032	Replacement Recommended	Partial	
8/1/2022	1	E-01409-L	CHANNEL,SERVO SUPPORT	T3 .025	Replacement Recommended	Yes	
8/1/2022	1	E-01409-R	CHANNEL,SERVO SUPPORT	T3 .025	Replacement Recommended	Yes	
8/1/2022	1	F-01407-L	SIDE FRAME	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-01407-R	SIDE FRAME	T3 .025	Acceptable for Use	Yes	
8/1/2022	2	F-14111	COVER, EMPENNAGE GAP	T3 .025	Acceptable for Use	Yes	
8/1/2022	2	F-14112	PLATE, COVER	T3 .025	Acceptable for Use	Yes	
8/1/2022	6	HS-1004	HORIZ.STAB INSPAR RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	6	HS-904	HORIZONTAL STAB RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	8	HS-905	HORIZ.STAB NOSE RIB	T3 .025	Acceptable for Use	Difficult	
8/1/2022	1	VS-702	VERT. STAB FRONT SPAR	T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	VS-803PP	VERT. STAB REAR SPAR	T3 .032	Replacement Recommended	Partial	
3/10/2023	1	F-14129CD	SHIM, GEAR .025	T3 .025	Acceptable for Use	No	

RV-14 WING

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
12/23/2021	1	T-1003B-L	TANK INBOARD MAIN RIB	T0 .032 heat treated	Acceptable for Use	Yes	
12/23/2021	1	T-1003B-R	TANK INBOARD MAIN RIB	T0 .032 heat treated	Acceptable for Use	Yes	
12/23/2021	1	T-1003-L	FUEL TANK END RIB	T0 .032 heat treated	Acceptable for Use	Difficult	
12/23/2021	1	T-1003-R	FUEL TANK END RIB	T0 .032 heat treated	Acceptable for Use	Difficult	
12/23/2021	5	T-1004-L	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	No	
12/23/2021	5	T-1004-R	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	No	
12/23/2021	1	W-1008-L	LEADING EDGE RIB	T3 .032	Acceptable for Use	Difficult	
12/23/2021	1	W-1008-R	LEADING EDGE RIB	T3 .032	Acceptable for Use	Difficult	
12/23/2021	6	W-1009-L	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	6	W-1009-R	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	1	W-1010-L	INBD WING RIB	T0 .032	Replacement Recommended	Yes	
12/23/2021	1	W-1010-R	INBD WING RIB	T0 .032	Replacement Recommended	Yes	
12/23/2021	10	W-1011-L	INBD.WING RIB .025	T3 .025	Replacement Recommended or Wait for Alternate Solution	Difficult	Note: Only the rib connected to the inboard flap bracket is affected. This part may be difficult to replace on a completed assembly. Van's Aircraft will have service information.
12/23/2021	10	W-1011-R	INBD.WING RIB .025	T3 .025	Replacement Recommended or Wait for Alternate Solution	Difficult	Note: Only the rib connected to the inboard flap bracket is affected. This part may be difficult to replace on a completed assembly. Van's Aircraft will have service information.
12/23/2021	3	W-1012-L	OUTBOARD WING RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	3	W-1012-R	OUTBOARD WING RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	1	W-1016-L	WING TIP RIB	T3 .025	Acceptable for Use	Yes	Status changed no holes
12/23/2021	1	W-1016-R	WING TIP RIB	T3 .025	Acceptable for Use	Yes	Status changed no holes
1/4/2022	1	T-1003C-L	TANK INBD.NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/4/2022	1	T-1003C-R	TANK INBD.NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
2/2/2022	1	A-1003-1L	SPAR	T3 .040	Replacement Recommended	No	
2/2/2022	1	A-1003-1R	SPAR	T3 .040	Replacement Recommended	No	
2/2/2022	2	A-1004-1L	NOSE RIB	T3 .040	Replacement Recommended	No	
2/2/2022	2	A-1004-1R	NOSE RIB	T3 .040	Replacement Recommended	No	
2/2/2022	1	FL-0003-L	SPAR	T3 .040	Replacement Recommended	Difficult	
2/2/2022	1	FL-0003-R	SPAR	T3 .040	Replacement Recommended	Difficult	
2/2/2022	1	W-00010-L	FLAP GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	1	W-00010-R	FLAP GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	1	W-00011-L	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	1	W-00011-R	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	2	W-00017	MOUNT BRACKET	T3 .040	Acceptable for Use	Yes	
2/2/2022	1	W-1029A-L	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/2/2022	1	W-1029A-R	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/2/2022	1	W-1029B-L	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/2/2022	1	W-1029B-R	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/2/2022	1	W-1029C	ANGLE	T3 .040	Replacement Recommended	Yes	
2/3/2022	2	A-1005-1L	MAIN RIB	T3 .025	Replacement Recommended	Partial	
2/3/2022	2	A-1005-1R	MAIN RIB	T3 .025	Replacement Recommended	Partial	
2/3/2022	8	A-710	STIFFENER	T3 .025	Acceptable for Use	No	
2/3/2022	8	FL-1004-L	FLAP NOSE RIB	T3 .025	Replacement Recommended	No	
2/3/2022	8	FL-1004-R	FLAP NOSE RIB	T3 .025	Replacement Recommended	No	
2/3/2022	8	FL-1005-L	FLAP MAIN RIB	T3 .025	Acceptable for Use	Difficult	
2/3/2022	8	FL-1005-R	FLAP MAIN RIB	T3 .025	Acceptable for Use	Difficult	
2/3/2022	2	T-00002	TANK BAFFLE	T3 .032	Acceptable for Use	Difficult	
2/3/2022	4	T-00004	TANK STIFFENER	T3 .032	Acceptable for Use	No	
2/3/2022	1	T-00005	TANK STIFFENER INBRD.	T3 .032	Acceptable for Use	No	
2/3/2022	1	T-10058C	SHIM	T3 .032	Acceptable for Use	Yes	
2/3/2022	1	VA-195C	ACCESS HATCH DOUBLER	T3 .025	Acceptable for Use	Yes	
2/3/2022	1	W-00012A	ADAHRS MOUNT PLATE	T3 .032	Acceptable for Use	Yes	
2/3/2022	1	W-00012E	ADAHRS MOUNT ZEE	T3 .025	Acceptable for Use	Yes	
2/3/2022	4	W-00018	BACKING PLATE	T3 .032	Acceptable for Use	Yes	
2/3/2022	1	W-1021B	FLAP GAP STIFFENER	T3 .032	Acceptable for Use	No	Status changed very low loads
2/3/2022	2	W-1025B	FLAP HINGE RIB	T3 .032	Replacement Recommended or Wait for Alternate Solution	Difficult	Note: Only the rib connected to the inboard flap bracket is affected. This part may be difficult to replace on a completed assembly. Van's Aircraft will have service information.
2/3/2022	2	W-1027A	WING WALK DOUBLER-FWD	T3 .025	Acceptable for Use	Partial, Difficult	Very low loads
2/3/2022	2	W-1027B	WING WALK DOUBLER-AFT	T3 .025	Acceptable for Use	Partial, Difficult	Very low loads
4/22/2022	1	A-1015-1L	INBRD.NOSE RIB	T3 .025	Replacement Recommended	Partial	
4/22/2022	1	A-1015-1R	INBRD.NOSE RIB	T3 .025	Replacement Recommended	Partial	
2/15/2023	5	T-1004-L-1	FUEL TANK RIB	T3 .025	Acceptable for Use	Partial	
2/15/2023	5	T-1004-R-1	FUEL TANK RIB	T3 .025	Acceptable for Use	Partial	
2/15/2023	6	W-1009-L-3	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
2/15/2023	6	W-1009-R-3	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
2/15/2023	1	W-1010-L-1	INBD. WING RIB .032	T3 .032	Replacement Recommended	Yes	
2/15/2023	1	W-1010-R-1	INBD. WING RIB .032	T3 .032	Replacement Recommended	Yes	

RV-14 FUSELAGE

RV-14 FUSELAGE					Lasar Status		
First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
4/8/2022	1	C-01422	BRACKET, CANOPY LATCH	T3 .040	Replacement Recommended	Yes	
4/8/2022	1	CS-00011	ARM, IDLER	T3 .040	Replacement Recommended	Yes	
4/8/2022	1	F-01405F	BRACE,MID FUSE	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01405K	GUIDE,SEAT BACK ADJ.	T3 .040	Acceptable for Use	Yes	Loads are low and cycles are low there is no concern for part replacement
4/8/2022	2	F-01405M	DOUBLER,BULKHEAD	T3 .040	Replacement Recommended or Wait for Alternate Solution	Difficult	
4/8/2022	1	F-01415A	ANGLE,SEAT RIB	T3 .040	Replacement Recommended Replacement Optional With Inspection	Yes	This part may be classified as blue after further analysis.
4/8/2022	1	F-01416B	ANGLE SEAT RIB	T3 .040	Replacement Recommended Replacement Optional With Inspection	Yes	This part may be classified as blue after further analysis.
4/8/2022	1	F-01421A-L	DECK,FWD CANOPY	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01421A-R	DECK,FWD CANOPY	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01421B-L	DECK,AFT CANOPY	T3 .040	Replacement Recommended Replacement Optional With Inspection	Yes	This part is easy to inspect on every flight.
4/8/2022	1	F-01421B-R	DECK,AFT CANOPY	T3 .040	Replacement Recommended Replacement Optional With Inspection	Yes	This part is easy to inspect on every flight.
4/8/2022	1	F-01432A	BRACE, ROLL BAR	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01432B	BRACKET ROLLBAR BRACE	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01433	BRACKET,FLAP BLOCK	T3 .040	Replacement Recommended or Wait for Alternate Solution	Yes	This part holds the flap torque tube.
4/8/2022	1	F-01434	STIFFENER,SKIN	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01444A	DOUBLER,LONGERON	T3 .040	Replacement Recommended Taildragger / Acceptable for Use Tri-Gear	Yes	This part carries landing gear loads, no concern for inflight failure. This part reinforces the longeron for taildragger loads. Loads in the longeron are low for a tr-gear with no need for replacement.
4/8/2022	1	F-01448A	ANGLE,GEAR BASE	T3 .040	Replacement Recommended Tri-Gear / Acceptable for Use Taildragger	Yes	This part carries landing gear loads, no concern for inflight failure. This part carries loads for a tri-gear. For taildraggers this part does not carry load and does not need to be replaced.
4/8/2022	1	F-01455B	DOUBLER, MAP BOX	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01487-L	CHANL.CENTER SECTION	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-01487-R	CHANL.CENTER SECTION	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-14101	CHANNEL, ROUTING	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-14103	BRACKET,CABLE	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	F-14142	CLIP,BUSHING, MAKES 8	T3 .040	Acceptable for Use	Yes	
4/8/2022	1	FF-01402	DOUBLER,RELAY	T3 .040	Acceptable for Use	Yes	
4/9/2022	2	F-01423C	DOUBLER,RIB	T3 .025	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/9/2022	2	F-01425A	DOUBLER,RIB	T3 .025	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/9/2022	1	F-01458	FRAME,SIDE	T3 .025	Acceptable for Use	Yes	
4/9/2022	1	F-01481-L	Cover, FWG BAG SIDE	T3 .025	Acceptable for Use	Yes	
4/9/2022	1	F-01481-R	Cover, FWD BAG SIDE	T3 .025	Acceptable for Use	Yes	
4/9/2022	1	F-01482-L	Cover, AFT BAG SIDE	T3 .025	Acceptable for Use	Yes	
4/9/2022	1	F-01482-R	Cover, AFT BAG SIDE	T3 .025	Acceptable for Use	Yes	
4/9/2022	1	F-01495AB	DBLR,STEP ATTACH RIB	T3 .025	Replacement Optional	Yes	Yellow for step attach. High loads but low number of
4/9/2022	1	F-14106	WIRING CHANNEL	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	C-01436-1	Channel, Pivot Block	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01400	STIFFENER,SKIN	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01402-L	FRAME SIDE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01402-R	FRAME,SIDE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01405A	CHANNEL,BLKHD. BOTTOM	T3 .032	Replacement Recommended or Wait for Alternate Solution	Yes	This part carries the wing rear spar loads. This part is difficult to replace. Van's Aircraft is designing a alternate solution rather than replacement of this part. This part is inspectable and can be monitored until modification.
4/19/2022	1	F-01405D-L	CHANNEL,BLKHD.SIDE	T3 .032	Replacement Recommended or Wait for Alternate Solution	Yes	This part carries the wing rear spar loads. This part is difficult to replace. Van's Aircraft is designing a alternate solution rather than replacement of this part. This part is inspectable and can be monitored until modification.
4/19/2022	1	F-01405D-R	CHANNEL,BLKHD.SIDE	T3 .032	Replacement Recommended or Wait for Alternate Solution	Yes	This part carries the wing rear spar loads. This part is difficult to replace. Van's Aircraft is designing a alternate solution rather than replacement of this part. This part is inspectable and can be monitored until modification.
4/19/2022	1	F-01405E	BRACKET,IDLER	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01405G	CHANNEL,FLAP MOTOR	T3 .032	Replacement Recommended	Yes	Part attaches to the flap motor and should be monitored until replacement.
4/19/2022	1	F-01405L	DOUBLER,BULKHEAD	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01406A-L	BULKHEAD	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01406A-R	BULKHEAD	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01406C	BULKHEAD	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01413-L	STIFFENER	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01413-R	STIFFENER	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01415-L	RIB,OUTBOARD SEAT	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01415-R	RIB,OUTBOARD SEAT	T3 .025	Acceptable for Use	Yes	

4/19/2022	1	F-01416A	DOUBLER SEAT RIB	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01416-L	RIB,SEAT	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01416-R	RIB, SEAT	T3 .025	Acceptable for Use	Yes	
4/19/2022	3	F-01417-L	RIB,SEAT	T3 .025	Acceptable for Use	Yes	
4/19/2022	3	F-01417-R	RIB,SEAT	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01420-L	ARM REST	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01422	RIB,FUSELAGE SIDE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01423A-L	RIB,OUTBOARD BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01423A-R	RIB,OUTBOARD BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01423B-L	RIB,OUTBOARD BAGGAGE	T3 .025	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-01423B-R	RIB,OUTBOARD BAGGAGE	T3 .025	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-01424-L	RIB,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01424-R	RIB,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01425-L	RIB,BAGGAGE	T3 .025	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-01425-R	RIB BAGGAGE	T3 .025	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-01426-L	RIB,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01426-R	RIB,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01427-L	RIB,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01427-R	RIB,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01428-L	FRAME,SIDE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01428-R	FRAME,SIDE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01430	STIFFENER,BAG.FLOOR	T3 .025	Acceptable for Use	Difficult	
4/19/2022	1	F-01435-L	BASE, Cover	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01435-R	BASE, Cover	T3 .025	Acceptable for Use	Yes	
4/19/2022	4	F-01438-L	RIB, Cover	T3 .025	Replacement Recommended or Wait for Alternate Solution	Yes	Only the rib that F-01450 attaches to which carries the control stick loads needs to be replaced.
4/19/2022	4	F-01438-R	RIB, Cover	T3 .025	Replacement Recommended or Wait for Alternate Solution	Yes	Only the rib that F-01450 attaches to which carries the control stick loads needs to be replaced.
4/19/2022	1	F-01447-L	FLOOR,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01447-R	FLOOR,BAGGAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01448C	BRACKET,GEAR BRACE	T3 .032	Replacement Recommended Tri-Gear / Acceptable for Use Taildragger	Yes	This part carries landing gear loads, no concern for inflight failure. This part carries loads for a tri-gear. For taildraggers this part does not carry load and does not need to be replaced.
4/19/2022	1	F-01451-L	TUNNEL SIDE	T3 .032	Replacement Recommended Tri-Gear / Acceptable for Use Taildragger	Yes	This part carries landing gear loads, no concern for inflight failure. For taildraggers this part does not carry load and does not need to be replaced. This part carries loads for a tri-gear. Wait for further analysis or development of an alternate modification from Van's Aircraft rather than part replacement.
4/19/2022	1	F-01451-R	TUNNEL SIDE	T3 .032	Replacement Recommended Tri-Gear / Acceptable for Use Taildragger	Yes	This part carries landing gear loads, no concern for inflight failure. For taildraggers this part does not carry load and does not need to be replaced. This part carries loads for a tri-gear. Wait for further analysis or development of an alternate modification from Van's Aircraft rather than part replacement.
4/19/2022	1	F-01453A	DOUBLER, AFT TUNL COV	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01455	PANEL, SUB	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01455A	ANGLE, SUB PANEL	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01456A	STIFFNER, RIB	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01456-L	RIB,FWD FUSELAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01456-R	RIB,FWD FUSELAGE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01458AB	BRACKET,SIDE FRAME	T3 .025	Acceptable for Use	Difficult	
4/19/2022	1	F-01459	RIB CANOPY HINGE	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01460-L	INTERCOSTAL	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01460-R	INTERCOSTAL	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01467A	FLANGE, INSTR PANEL	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01467B	DOUBLER FLANGE	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01477	BRACKET CONNECTOR	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01491	RIB,FUSELAGE SIDE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01492	RIB,FUSELAGE SIDE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01493-1	Channel Fwd. Fuselage	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01494C	CHANNEL,WIRING	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01494D	BRACKET,CABLE SUPPORT	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-01494-L	STAND-OFF INSTR PANEL	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01494-R	STAND-OFF INSTR PANEL	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-01495-L	RIB,STEP ATTACH	T3 .032	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-01495-R	RIB,STEP ATTACH	T3 .032	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-01499	BRACKET, Cover ANGLE	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-14102	BRKT, FUEL SLCT VALVE	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-14108	BRACKET, FUEL PUMP	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-14119	ANGLE,FAIRING ATTACH	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-14120	ANGLE,ROOT FAIRING	T3 .032	Replacement Optional	Yes	Yellow for loads while boarding airplane. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-14121	ANGLE,FAIRING ATTACH	T3 .025	Acceptable for Use	Yes	
4/19/2022	1	F-14123	BRACKET,POWER OUTLET	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-14125	STIFFNER, SKIN	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-14134	SHIM,COWLING HINGE	T3 .025	Acceptable for Use	No	
4/19/2022	1	F-14140	STIFFENER,SKIN	T3 .032	Acceptable for Use	Yes	
4/19/2022	1	F-14145	ANGLES,STEP ATTACH	T3 .032	Replacement Optional	Yes	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/19/2022	1	F-14186	BRACKET,NACA VENT	T3 .032	Acceptable for Use	Yes	
8/24/2022	1	F-01420-R	ARM REST	T3 .025	Acceptable for Use	Yes	
8/24/2022	1	F-01435A	Cover PANEL	T3 .025	Acceptable for Use	Yes	
8/24/2022	1	F-01455C	ANGLE, SEAL	T3 .025	Acceptable for Use	Yes	
8/24/2022	2	F-14100	ANGLE, ROUTING	T3 .025	Acceptable for Use	Yes	
8/24/2022	2	F-14110	BRACKET,CROTCH STRAP	T3 .032	Acceptable for Use	Yes	

8/24/2022	4	F-14128	BRACKET,SEAT BELT LUG	T3 .025	Acceptable for Use	Yes
-----------	---	---------	-----------------------	---------	--------------------	-----

14 FINISH

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
3/10/2023	1	F-00220	POWER MODULE / WIRING CHANNEL COVER PLATE 14	T3 .025	Acceptable for Use	Yes	
3/10/2023	1	F-01436-R	COVER,CONTROL COLUMN	T3 .025	Acceptable for Use	Yes	
3/10/2023	2	F-1237A	SEATBACK	T3 .025	Acceptable for Use	Yes	
3/10/2023	2	F-14118B	FAIRING LWR WING ROOT	T3 .025	Acceptable for Use	Yes	
3/10/2023	1	F-14129CD	SHIM,GEAR .025	T3 .025	Acceptable for Use	Yes	
3/10/2023	1	FF-01414	Close-out, RV-14 x-over cowl	T3 .025	Acceptable for Use	Yes	

RV-10 TAIL KIT

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
1/16/2022	1	E-1020	RIGHT TRIM TAB SPAR	T3 .032	Replacement Recommended	Yes	
1/16/2022	2	E-905	LEFT ELE. RIB 9/10	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-920	TRIM TAB SPAR	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	F-1007-L	FUSELAGE FRAME	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-1007-R	FUSELAGE FRAME	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-1008-L	FUSELAGE FRAME	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-1008-R	FUSELAGE FRAME	T3 .025	Acceptable for Use	Yes	
1/16/2022	1	F-1009	FUSELAGE FRAME	T3 .025	Acceptable for Use	Yes	
2/4/2022	16	E-1008	ELEVATOR RIB	T3 .020	Replacement Recommended	Difficult	
2/4/2022	1	F-1010C	FUSELAGE BULKHEAD	T3 .025	Replacement Recommended	Yes	
2/4/2022	1	F-1014	AFT DECK	T3 .040	Replacement Recommended	Yes	
2/4/2022	1	F-1095A	TRIM MOUNT BRACKET	T3 .040	Replacement Recommended	Yes	
2/4/2022	1	R-1010	STIFFENER SHEAR CLIP	T3 .020	Acceptable for Use	No	
2/4/2022	7	R-1015	RUDDER STIFFENER	T3 .020	Acceptable for Use	No	
2/9/2022	2	E-1002	ELEVATOR SPAR	T3 .032	Replacement Recommended	Yes	
2/9/2022	2	E-1007	ELEVATOR REAR SPAR	T3 .032	Replacement Recommended	No	
2/9/2022	1	E-615PP	ELEV TRIM MNTG PLATE	T3 .032	Replacement Recommended	Yes	
2/9/2022	2	E-904	ELEVATOR TIP RIB	T0 .032 heat treated	Replacement Recommended	Yes	
2/9/2022	1	F-1011	FUSELAGE BULKHEAD	T3 .032	Replacement Recommended	Yes	
2/9/2022	1	F-1012A	FUSELAGE BULKHEAD	T3 .032	Replacement Recommended	Yes	
2/9/2022	1	VS-1003	VERT. STAB REAR SPAR	T3 .032	Replacement Recommended	Yes	
4/13/2022	2	E-903	ELEVATOR TIP RIB	T0 .032	Replacement Recommended	No	
8/1/2022	1	E-1015	RIGHT ELEV.TRIM BRAKT	T3 .032	Replacement Recommended	Yes	
8/1/2022	2	E-616PP	ELEV TRIM COVER	T3 .032	Replacement Recommended	Yes	
8/1/2022	1	F-1006A	FUSELAGE BULKHEAD	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1006B	FUSELAGE BULKHEAD	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1006C	FUSELAGE BULKHEAD	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1006D	FUSELAGE BULKHEAD	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1006E	UPPER BAGGAGE BLKHD.	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1006F	LOWER BAGGAGE BLKHD.	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1010	FUSELAGE BULKHEAD	T3 .025	Replacement Recommended	Yes	
8/1/2022	1	F-1012B	FUSELAGE BULKHEAD	T3 .032	Replacement Recommended	Yes	
8/1/2022	1	F-1028	BAG.BULKHEAD CHANNEL	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1029-L	BELLCRANK RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1029-R	BELLCRANK RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	F-1055	SKIN STIFFENER	T3 .025	Acceptable for Use	Yes	
8/1/2022	8	HS-1004	HORIZ.STAB INSPAR RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	HS-1016	STRINGER WEB	T3 .025	Acceptable for Use	Yes	
8/1/2022	6	HS-904	HORIZONTAL STAB RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	8	HS-905	HORIZ.STAB NOSE RIB	T3 .025	Acceptable for Use	Difficult	
8/1/2022	1	R-1002	RUDDER SPAR	T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	R-1003	RUDDER TIP RIB	T3 .025	Replacement Recommended	Yes	
8/1/2022	1	R-1004	RUDDER ROOT RIB	T3 .032	Replacement Recommended	No	
8/1/2022	1	R-1012	COUNTERBALANCE RIB	T3 .025	Replacement Recommended	Yes	
8/1/2022	1	VS-1002	VERT. STAB FRONT SPAR	T3 .032	Replacement Recommended	Yes	
8/1/2022	1	VS-1004	V-STAB LOWER RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	VS-1005	VERT.STAB NOSE RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	VS-1006	VERTICAL STAB RIB TOP	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	VS-1007	V-STAB MID.INSPAR RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	1	VS-1013	V-STAB MID.NOSE RIB	T3 .025	Acceptable for Use	Yes	

RV-10 WING

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
12/23/2021	1	T-1003B-L	TANK INBOARD MAIN RIB	T0 .032 heat treated	Acceptable for Use	Yes	
12/23/2021	1	T-1003B-R	TANK INBOARD MAIN RIB	T0 .032 heat treated	Acceptable for Use	Yes	
12/23/2021	1	T-1003-L	FUEL TANK END RIB	T0 .032 heat treated	Acceptable for Use	Difficult	
12/23/2021	1	T-1003-R	FUEL TANK END RIB	T0 .032 heat treated	Acceptable for Use	Difficult	
12/23/2021	5	T-1004-L	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	No	
12/23/2021	5	T-1004-R	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	No	
12/23/2021	1	W-1008-L	LEADING EDGE RIB	T3 .032	Acceptable for Use	Difficult	
12/23/2021	1	W-1008-R	LEADING EDGE RIB	T3 .032	Acceptable for Use	Difficult	
12/23/2021	6	W-1009-L	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	6	W-1009-R	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	1	W-1010-L	INBD WING RIB	T0 .032	Replacement Recommended	Yes	
12/23/2021	1	W-1010-R	INBD WING RIB	T0 .032	Replacement Recommended	Yes	
12/23/2021	11	W-1011-L	INBD.WING RIB .025	T3 .025	Acceptable for Use	Difficult	Further analysis has proven that loads carried in the fastener holes are low. This component will have very long fatigue life.
12/23/2021	11	W-1011-R	INBD.WING RIB .025	T3 .025	Acceptable for Use	Difficult	Further analysis has proven that loads carried in the fastener holes are low. This component will have very long fatigue life.
12/23/2021	3	W-1012-L	OUTBOARD WING RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	3	W-1012-R	OUTBOARD WING RIB	T3 .025	Acceptable for Use	Yes	
12/23/2021	1	W-1016-L	WING TIP RIB	T3 .025	Acceptable for Use	Yes	No holes
12/23/2021	1	W-1016-R	WING TIP RIB	T3 .025	Acceptable for Use	Yes	No holes
1/4/2022	1	T-1003C-L	TANK INBD.NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/4/2022	1	T-1003C-R	TANK INBD.NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
2/2/2022	1	A-1003-1L	SPAR	T3 .040	Replacement Recommended	No	
2/2/2022	1	A-1003-1R	SPAR	T3 .040	Replacement Recommended	No	
2/2/2022	2	A-1004-1L	NOSE RIB	T3 .040	Replacement Recommended	No	
2/2/2022	2	A-1004-1R	NOSE RIB	T3 .040	Replacement Recommended	No	
2/2/2022	1	FL-1003-L	FLAP SPAR	T3 .040	Replacement Recommended	Difficult	
2/2/2022	1	FL-1003-R	FLAP SPAR	T3 .040	Replacement Recommended	Difficult	
2/2/2022	1	W-1021-L	FLAP GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	1	W-1021-R	FLAP GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	1	W-1024-L	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	1	W-1024-R	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
2/2/2022	1	W-1029A-L	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/2/2022	1	W-1029A-R	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/2/2022	1	W-1029B-L	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/2/2022	1	W-1029B-R	TORQUE TUBE BRACKET	T3 .040	Replacement Recommended	Yes	
2/3/2022	2	A-1005-1L	MAIN RIB	T3 .025	Replacement Recommended	Partial	
2/3/2022	2	A-1005-1R	MAIN RIB	T3 .025	Replacement Recommended	Partial	
2/3/2022	8	A-710	STIFFENER	T3 .025	Acceptable for Use	No	
2/3/2022	10	FL-1004-L	FLAP NOSE RIB	T3 .025	Replacement Recommended	No	
2/3/2022	10	FL-1004-R	FLAP NOSE RIB	T3 .025	Replacement Recommended	No	
2/3/2022	11	FL-1005-L	FLAP MAIN RIB	T3 .025	Acceptable for Use	Difficult	
2/3/2022	11	FL-1005-R	FLAP MAIN RIB	T3 .025	Acceptable for Use	Difficult	
2/3/2022	2	T-1002	TANK BAFFLE	T3 .032	Acceptable for Use	Difficult	
2/3/2022	1	T-1005BC	SHIM	T3 .032	Acceptable for Use	Yes	
2/3/2022	1	VA-195C	ACCESS HATCH DOUBLER	T3 .025	Acceptable for Use	Yes	
2/3/2022	8	W-1006F	SPAR SPLICE PLATE	T3 .032	Acceptable for Use	Yes	Further analysis has proven that loads carried in the fastener holes are low. This component will have very long fatigue life.
2/3/2022	1	W-1021B	FLAP GAP STIFFENER	T3 .032	Acceptable for Use	No	Very low loads
2/3/2022	3	W-1025B	FLAP HINGE RIB	T3 .032	Replacement Recommended or Wait for Alternate Solution	Difficult	Note: Only the rib connected to the inboard flap bracket is affected. This part may be difficult to replace on a completed assembly. Van's Aircraft will have service information.
2/3/2022	2	W-1027A	WING WALK DOUBLER-FWD	T3 .025	Acceptable for Use	Partial, Difficult	Very low loads
2/3/2022	2	W-1027B	WING WALK DOUBLER-AFT	T3 .025	Acceptable for Use	Partial, Difficult	Very low loads
2/22/2022	7	T-1011	TANK STIFFENER	T3 .032	Acceptable for Use	No	
4/22/2022	1	A-1015-1L	INBRD.NOSE RIB	T3 .025	Replacement Recommended	Partial	
4/22/2022	1	A-1015-1R	INBRD.NOSE RIB	T3 .025	Replacement Recommended	Partial	
2/15/2023	5	T-1004-L-1	FUEL TANK RIB	T3 .025	Acceptable for Use	Partial	
2/15/2023	5	T-1004-R-1	FUEL TANK RIB	T3 .025	Acceptable for Use	Partial	
2/15/2023	6	W-1009-L-3	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
2/15/2023	6	W-1009-R-3	LEADING EDGE RIB	T3 .025	Acceptable for Use	Yes	
2/15/2023	1	W-1010-L-1	INBD. WING RIB .032	T3 .032	Replacement Recommended	Yes	
2/15/2023	1	W-1010-R-1	INBD. WING RIB .032	T3 .032	Replacement Recommended	Yes	

RV-10 FUSELAGE

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
3/23/2022	1	F-1087	VENT SLIDE	T3.032	Acceptable for Use	Yes	
4/4/2022	1	F-10100	BAGGAGE DOOR SHIM	T3.040	Acceptable for Use	Yes	
4/4/2022	1	F-10105	CONTROL CABLE BRACKET	T3.040	Acceptable for Use	Yes	
4/4/2022	1	F-1034B	SEAT BACK BRACE	T3.040	Acceptable for Use	Yes	
4/4/2022	1	F-1034D	GUSSET	T3.040	Acceptable for Use	Yes	
4/4/2022	1	F-1034F	S.BACK BRACE CLOSEOUT	T3.040	Acceptable for Use	Yes	
4/4/2022	1	F-1048-L	FWD FUSE RIB	T3.040	Acceptable for Use	Yes	Further analysis has proven that loads carried in the fastener holes will lead to a very long fatigue life.
4/4/2022	1	F-1048-R	FWD FUSE RIB	T3.040	Acceptable for Use	Yes	Further analysis has proven that loads carried in the fastener holes will lead to a very long fatigue life.
4/4/2022	1	F-1051A	FWD.FUSE TUNNEL Cover	T3.040	Acceptable for Use	Yes	cover plate
4/4/2022	1	F-1051C	FRNT.SEAT TUNNL.Cover	T3.040	Acceptable for Use	Yes	cover plate
4/4/2022	1	F-1059A	BAG.DOOR FWD.FRAME	T3.020	Acceptable for Use	Yes	
4/4/2022	1	F-1059B	BAG.DOOR UPR.FRAME	T3.020	Acceptable for Use	Yes	
4/4/2022	1	F-1059F	BAG.DOOR CLOSEOUT PNL	T3.020	Acceptable for Use	Yes	not dimpled
4/4/2022	2	F-1067B	SEAT FLOOR SPACER	T3.020	Acceptable for Use	Yes	
4/4/2022	1	F-1083	CNTRL.CABLE BRACKET	T3.040	Acceptable for Use	Yes	
4/4/2022	2	F-1084	SYSTEMS BRACKET	T3.040	Acceptable for Use	Yes	
4/4/2022	2	F-1099A	UPPR.WING ROOT FAIRNG	T3.040	Acceptable for Use	Yes	
4/5/2022	1	F-01002-L-1	FORWARD FUSELAGE BULKHEAD	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-01002-R-1	FORWARD FUSELAGE BULKHEAD	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-01043D-L-1	Cover PANEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-01043D-R-1	Cover PANEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-01049C-L-1	FWD.FUSE FLOOR RIB	T3.032	Acceptable for Use	No	
4/5/2022	1	F-01049C-R-1	FWD.FUSE FLOOR RIB	T3.032	Acceptable for Use	No	
4/5/2022	1	F-01050-L-1	FWD.CABIN FLOOR PANEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-01050-R-1	FWD.CABIN FLOOR PANEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-01088-L-1	forward fuselage rib	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-01088-R-1	forward fuselage rib	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1003C	INST.PANEL ATTACH FLG	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1015A-L	OUTBRD.FOOT WELL RIB	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1015A-R	OUTBRD.FOOT WELL RIB	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1015B-L	FOOT WELL RIB INTRCST	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1015B-R	FOOT WELL RIB INTRCST	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1015D-L	MID CABIN SIDE Cover	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1015D-R	MID CABIN SIDE Cover	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1015EF	SPACERS	T3.032	Acceptable for Use	Yes	
4/5/2022	4	F-1016B-L	FLOOR STIFFENER	T3.032	Acceptable for Use	No	
4/5/2022	4	F-1016B-R	FLOOR STIFFENER	T3.032	Acceptable for Use	No	
4/5/2022	1	F-1016C-L	FLOOR PAN	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1016C-R	FLOOR PAN	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1016E-L	FLAP TORQ.TUBE Cover	T3.025	Acceptable for Use	Yes	Changed status this is a cover plate
4/5/2022	1	F-1016E-R	FLAP TORQ.TUBE Cover	T3.025	Acceptable for Use	Yes	Changed status this is a cover plate
4/5/2022	1	F-1016F-L	INBD.FOOT WELL RIB	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1016F-R	INBD.FOOT WELL RIB	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1016-L	OUTBRD.FOOT WELL RIB	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1016-R	OUTBRD.FOOT WELL RIB	T3.032	Acceptable for Use	Yes	
4/5/2022	5	F-1017A-L	REAR SEAT RIB	T3.025	Acceptable for Use	No	
4/5/2022	5	F-1017A-R	REAR SEAT RIB	T3.025	Acceptable for Use	No	
4/5/2022	2	F-1017B	SEAT BELT ATTACH RIB	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1018-L	REAR SEAT RIB	T3.025	Acceptable for Use	No	
4/5/2022	1	F-1018-R	REAR SEAT RIB	T3.025	Acceptable for Use	No	
4/5/2022	1	F-1019-L	INBD BAGGAGE RIB	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1019-R	INBD BAGGAGE RIB	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1020-L	MID BAGGAGE RIB	T3.025	Acceptable for Use	Difficult	
4/5/2022	1	F-1020-R	MID BAGGAGE RIB	T3.025	Acceptable for Use	Difficult	
4/5/2022	1	F-1021-L	OUTBOARD BAGGAGE RIB	T3.025	Replacement Optional	Difficult	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/5/2022	1	F-1021-R	OUTBOARD BAGGAGE RIB	T3.025	Replacement Optional	Difficult	Yellow for step attach. High loads but low number of cycles. With continuing inspection no replacement would be necessary.
4/5/2022	2	F-1022	BAGGAGE STIFFENER	T3.032	Acceptable for Use	Difficult	
4/5/2022	1	F-1022A-L	BAGGAGE FLOOR	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1022A-R	BAGGAGE FLOOR	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1023B-L	BAGGAGE FLOOR ANGLE	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1023B-R	BAGGAGE FLOOR ANGLE	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1023-L	BAGGAGE FLOOR ANGLE	T3.032	Acceptable for Use	No	
4/5/2022	1	F-1023-R	BAGGAGE FLOOR ANGLE	T3.032	Acceptable for Use	No	
4/5/2022	1	F-1024-L	SEAT FLOOR	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1024-R	SEAT FLOOR	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1025-L	REAR SEAT Cover PANEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1025-R	REAR SEAT Cover PANEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1026	BAG.DOOR SEAL CHAN.	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1027	CLOSE OUT PANEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1031	BAG.DOOR SEAL CHANNEL	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1034A	FUSELAGE BULKHEAD	T3.032	Acceptable for Use	Difficult	
4/5/2022	1	F-1034C-L	FUSELAGE BULKHEAD	T3.032	Acceptable for Use	Difficult	
4/5/2022	1	F-1034C-R	FUSELAGE BULKHEAD	T3.032	Acceptable for Use	Difficult	
4/5/2022	1	F-1042G-L	WIRE Cover	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1042G-R	WIRE Cover	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1044A	FWD FUSELAGE RIB	T3.032	Replacement Recommended or Wait for Alternate Solution	Yes	Further analysis necessary. Very likely this part will become classified as blue.
4/5/2022	1	F-1044DEF	ANGLE	T3.032	Acceptable for Use	Yes	
4/5/2022	1	F-1045-L	FWD.FUSE RIB	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1045-R	FWD.FUSE RIB	T3.025	Acceptable for Use	Yes	
4/5/2022	1	F-1049A-L	FWD.FUSE FLOOR RIB	T3.025	Acceptable for Use	No	
4/5/2022	1	F-1049A-R	FWD.FUSE FLOOR RIB	T3.025	Acceptable for Use	No	
4/5/2022	1	F-1049B-L	FWD.FUSE FLOOR RIB	T3.025	Acceptable for Use	No	

4/5/2022	1	F-1049B-R	FWD.FUSE FLOOR RIB	T3 .025	Acceptable for Use	No
4/5/2022	1	F-1049D-L	FWD.FUSE FLOOR RIB	T3 .025	Acceptable for Use	No
4/5/2022	1	F-1049D-R	FWD.FUSE FLOOR RIB	T3 .025	Acceptable for Use	No
4/5/2022	2	F-1050B	BOLT ACCESS PLATE	T3 .025	Acceptable for Use	Yes
4/5/2022	1	F-1051E	REAR SEAT TUNNEL Cover	T3 .025	Acceptable for Use	Yes
4/5/2022	1	F-1051F	BAGGAGE TUNNEL Cover	T3 .025	Acceptable for Use	Yes
4/5/2022	1	F-1058	BAG.DOOR HINGE FRAME	T3 .025	Acceptable for Use	Yes
4/5/2022	1	F-1068A	SUB PANEL CENTER	T3 .032	Acceptable for Use	Yes
4/5/2022	1	F-1068B-L	SUB PANEL SIDE	T3 .032	Acceptable for Use	Yes
4/5/2022	1	F-1068B-R	SUB PANEL SIDE	T3 .032	Acceptable for Use	Yes
4/5/2022	1	F-1080	BAGGAGE Cover,RIGHT	T3 .025	Acceptable for Use	Yes
4/5/2022	1	F-1081	BAGGAGE Cover,LEFT	T3 .025	Acceptable for Use	Yes
4/5/2022	2	F-1099B	LWR.WING ROOT FAIRING	T3 .025	Acceptable for Use	Yes
4/5/2022	2	F-1099D	WING FAIRING STIFFNER	T3 .032	Acceptable for Use	Yes
4/5/2022	1	F-1099EFG-L	W.ROOT FAIR.SUPPORT	T3 .032	Acceptable for Use	Yes
4/5/2022	1	F-1099EFG-R	W.ROOT FAIR.SUPPORT	T3 .032	Acceptable for Use	Yes
6/24/2022	1	F-1005A	CNTR.SECTION BULKHEAD	T3 .040	Replacement Recommended or Wait for Alternate Solution	Yes The rear spar attach bars cross the fuselage and will take the highest spanwise loads from the wing rear spar. Torsion loads are comparitvly small. This part may be lowered to a lower status after further analysis. For now inspect and monitor.
6/24/2022	1	F-1086	VENT BRACKET	T3 .032	Acceptable for Use	Yes

RV-12 TAIL KIT

RV-12 TAIL KIT					Lasers Status		
First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
4/25/2022	1	F-00009-L	ADAHRS BRACKET	T3 .032	Acceptable for Use		
4/25/2022	1	F-00009-R	ADAHRS BRACKET	T3 .032	Acceptable for Use		
4/25/2022	1	F-1208-L	BULKHEAD	T3 .025	Acceptable for Use		
4/25/2022	1	F-1208-R	BULKHEAD	T3 .025	Acceptable for Use		
4/25/2022	1	F-1209-L	FUSELAGE FRAME	T3 .025	Acceptable for Use		
4/25/2022	1	F-1209-R	FUSELAGE FRAME	T3 .025	Acceptable for Use		
4/25/2022	1	F-12106	VSTAB SKIN RIB	T3 .020	Acceptable for Use		
4/25/2022	1	F-1210A-L	FUSELAGE FRAME	T3 .025	Acceptable for Use		
4/25/2022	1	F-1210A-R	FUSELAGE FRAME	T3 .025	Acceptable for Use		
4/25/2022	1	F-1210C	ANGLE	T3 .032	Acceptable for Use		
4/25/2022	1	F-1211A	AFT BULKHEAD	T3 .032	Acceptable for Use		
4/25/2022	1	F-1211D	ANGLE	T3 .040	Replacement Recommended		
4/25/2022	1	F-1287D	CLEVIS BRACKET	T3 .040	Replacement Recommended		
4/25/2022	1	HS-01202-1	Spar,Forward	T3 .040	Replacement Recommended		Status Changed: Replacement Reccomended out of an abundance of caution due to the difficulty to inspect in service. VAD-10041 R7
4/25/2022	1	HS-01203-1	Spar,Aft	T3 .040	Replacement Recommended		Status Changed: Replacement Reccomended out of an abundance of caution due to the difficulty to inspect in service. VAD-10041 R7
4/25/2022	4	HS-01212-1	Rib,Inspar	T3 .020	Acceptable for Use		
4/25/2022	6	HS-1204	NOSE RIB	T3 .020	Acceptable for Use		
4/25/2022	2	HS-1205	NOSE TIP RIB	T3 .020	Acceptable for Use		
4/25/2022	2	HS-1206	MAIN RIB	T3 .020	Acceptable for Use		
4/25/2022	2	HS-1207	MAIN TIP RIB	T3 .020	Acceptable for Use		
4/25/2022	4	HS-1208	AFT RIB	T3 .020	Acceptable for Use		
4/25/2022	1	HS-1209	SPAR WEB SPACER	T3 .040	Acceptable for Use		
4/25/2022	1	HS-1214	CLIP	T3 .020	Acceptable for Use		
4/25/2022	4	HS-1216	MIDDLE RIB	T3 .020	Acceptable for Use		
4/25/2022	1	HS-1219-L	ANTI SERVO TAB SPAR	T3 .032	Acceptable for Use		
4/25/2022	1	HS-1219-R	ANTI SERVO TAB SPAR	T3 .032	Acceptable for Use		
4/25/2022	1	HS-1220	AST CONTROL HORN	T3 .040	Replacement Recommended		
4/25/2022	6	HS-1222	ANTI SERVO TAB RIB	T3 .020	Acceptable for Use		
4/25/2022	2	HS-1230	Inboard Rib	T3 .020	Acceptable for Use		
4/25/2022	5	R-01203-1	RUDDER RIB	T3 .020	Acceptable for Use		
4/25/2022	1	R-01211	Spar,Stub	T3 .020	Acceptable for Use		
4/25/2022	1	R-1202	RUDDER SPAR	T3 .032	Acceptable for Use		
4/25/2022	1	R-1204	RUDDER SPAR CAP	T3 .040	Acceptable for Use		
4/25/2022	1	VS-1202	FRONT SPAR	T3 .032	Acceptable for Use		
4/25/2022	1	VS-1203	VERTICAL STAB SPAR	T3 .032	Acceptable for Use		
4/25/2022	1	VS-1205	TIP RIB	T3 .020	Acceptable for Use		
4/25/2022	1	VS-1206	MID RIB	T3 .020	Acceptable for Use		
4/25/2022	1	VS-1207	V STAB RIB	T3 .020	Acceptable for Use		
4/25/2022	1	VS-1208	ROOT RIB	T3 .020	Acceptable for Use		
4/25/2022	1	VS-1212-L	LEFT SPAR CAP	T3 .040	Acceptable for Use		
4/25/2022	1	VS-1212-R	RIGHT SPAR CAP	T3 .040	Acceptable for Use		
9/29/2022	1	F-1238	SNAP BUSHING BRACKET	T3 .025	Acceptable for Use		
9/29/2022	1	F-1287A-1	Servo Tray	T3 .040	Replacement Recommended		

Note: VAD10041 Revision7

Van’s testing and analysis has shown that laser-cut parts have a functionally equivalent life to punched parts. With regard to the RV-12iS, with its unique construction and blind-rievt fasteners, our testing results confirmed that the LP4 rivet itself is typically the fatigue-critical item in RV-12iS structure. In other words, in the RV-12iS, the LP4 rivet fatigues before the part.

Although testing and analysis did not result in crack propagation in the RV-12iS structure – or much less have any impact on the safety, performance, or life of a given part – out of an abundance of caution we are recommending the replacement of certain components in the RV-12iS principal structure. Principal structures are essential in maintaining the structural integrity of an airplane. In the RV-12iS, they include specific spars and components supporting the control system.

Previously, only structure related to the stabilator trim control system was recommended for replacement in the RV-12iS. However, we have revised the classification and recommend the replacement of certain principal-structure components of the stabilator, specifically HS-01202-1 and HS-0203-1 (the forward and aft spars in RV-12iS Stabilator). We changed the classification of these parts and our associated recommendation primarily due to the fact that these components are very difficult or impossible to inspect. We decided to recommend replacement of these additional components to ensure that any un-identified factor that may have a negative affect, could not lead to conditions that possibly cause a serious safety risk.

RV-12 WING

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
9/30/2022	2	A-1204-L	OUTBRD.NOSE RIB	T0 .025 heat treated	Acceptable for Use		
9/30/2022	2	A-1204-R	OUTBRD.NOSE RIB	T0 .025 heat treated	Acceptable for Use		
9/30/2022	2	A-1210-L	INBRD.NOSE RIB	T0 .025 heat treated	Acceptable for Use		
9/30/2022	2	A-1210-R	INBRD.NOSE RIB	T0 .025 heat treated	Acceptable for Use		
9/30/2022	1	VA-195H	ACCESS HATCH 12 ONLY	T3 .025	Acceptable for Use		
9/30/2022	1	W-1204E-L	FWD WING TIP RIB	T0 .025 heat treated	Acceptable for Use		
9/30/2022	1	W-1204E-R	FWD WING TIP RIB	T0 .025 heat treated	Acceptable for Use		
9/30/2022	1	W-1204F-L	AFT WING TIP RIB	T3 .020	Acceptable for Use		
9/30/2022	1	W-1204F-R	AFT WING TIP RIB	T3 .020	Acceptable for Use		
9/30/2022	1	W-1206T	ATTACH ANGLE	T3 .020	Acceptable for Use		
9/30/2022	4	W-1206V	ATTACH ANGLE	T3 .020	Acceptable for Use		
9/30/2022	1	W-1207C	TIP ATTACH ANGLE	T3 .020	Acceptable for Use		
9/30/2022	14	W-1208-L-1	WING RIB	T3 .020	Acceptable for Use		
9/30/2022	14	W-1208-R-1	WING RIB	T3 .020	Acceptable for Use		
9/30/2022	1	W-1210B	RIB DOUBLER	T3 .025	Acceptable for Use		
9/30/2022	13	W-1210-L-1	WING RIB	T3 .020	Acceptable for Use		
9/30/2022	13	W-1210-R-1	WING RIB	T3 .020	Acceptable for Use		
9/30/2022	1	W-1213-L	FLAPERON TIP RIB	T3 .020	Acceptable for Use		
9/30/2022	1	W-1213-R	FLAPERON TIP RIB	T3 .020	Acceptable for Use		
9/30/2022	2	W-1216B	HINGE RIB	T3 .020	Acceptable for Use		

RV-12 FUSELAGE

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
3/23/2022	1	F-01201F-1	BATTERY BOX SPACER	T3 .032	Acceptable for Use		
3/23/2022	1	F-01207D-R-1	Channel,Baggage Bulkhead	T3 .025	Acceptable for Use		
3/23/2022	1	F-012113-L-1	Floor,Step	T3 .025	Acceptable for Use		
3/23/2022	1	F-012113-R-1	Floor,Step	T3 .025	Acceptable for Use		
3/23/2022	1	F-01229-1	COVER, BAGGAGE FLOOR	T3 .025	Acceptable for Use		
3/23/2022	2	F-01267A-1	CROTCH STRAP BRACKET	T3 .032	Acceptable for Use		
3/23/2022	1	F-1087	VENT SLIDE	T3 .032	Acceptable for Use		
3/23/2022	1	F-1204T	SKIN STIFFENER	T3 .032	Acceptable for Use		
3/23/2022	1	F-1206G-L	BAGGAGE RIB	T3 .025	Acceptable for Use		
3/23/2022	1	F-12110	Angle,Cradle Attach	T3 .025	Acceptable for Use		
3/23/2022	1	F-12111A	Channel,Cradle Attach	T3 .032	Acceptable for Use		
3/23/2022	1	T-01222-L	Rib,Fuel Tank Outboard	T3 .032	Acceptable for Use		
3/23/2022	1	T-01222-R	Rib,Fuel Tank Outboard	T3 .032	Acceptable for Use		
3/23/2022	1	T-01223-L	Rib,Fuel Tank Inboard	T3 .025	Acceptable for Use		
3/23/2022	1	T-01223-R	Rib,Fuel Tank Inboard	T3 .025	Acceptable for Use		
3/23/2022	1	T-01224-L	Rib,Fuel Tank Inboard	T3 .025	Acceptable for Use		
3/23/2022	1	T-01224-R	Rib,Fuel Tank Inboard	T3 .025	Acceptable for Use		
3/25/2022	1	F-01203A-1	Bulkhead	T3 .040	Acceptable for Use		
3/25/2022	1	F-01205C-1	Brace Close-Out,Mid Fuse	T3 .040	Acceptable for Use		
3/25/2022	1	F-01217-L	Rib,Tunnel	T3 .040	Acceptable for Use		
3/25/2022	1	F-01217-R	Rib,Tunnel	T3 .040	Acceptable for Use		
3/25/2022	1	F-1203D	STUB SPAR RECEP SUPRT	T3 .040	Acceptable for Use		
3/25/2022	2	F-1204H	BULKHEAD CAP	T3 .040	Acceptable for Use		
3/25/2022	1	F-12107A	Eit Bracket	T3 .040	Acceptable for Use		
3/25/2022	1	F-12111B	Cradle, Fuel Filter	T3 .040	Acceptable for Use		
3/25/2022	1	F-12111C	Cradle,Fuel Pump	T3 .040	Acceptable for Use		
3/25/2022	1	F-12131	Channel,Tunnel	T3 .040	Acceptable for Use		
3/25/2022	1	F-1232A	ROLL BAR BRACE	T3 .040	Acceptable for Use		
6/24/2022	1	F-1086	VENT BRACKET	T3 .032	Acceptable for Use		
3/10/2023	2	F-1237A	SEATBACK	T3 .025	Acceptable for Use		
3/22/2023	1	F-1202H-L	CANOPY RIB	T3 .032	Acceptable for Use		
3/22/2023	1	F-1202H-R	CANOPY RIB	T3 .032	Acceptable for Use		
3/22/2023	1	F-1253	SEAT FLOOR SUPPORT	T3 .025	Acceptable for Use		

12 FINISH

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
2/13/2023	2	C-01203A-1	Angle,Canopy Attach	T3 .025	Acceptable for Use		
2/13/2023	2	C-01203B-1	Angle,Canopy Attach	T3 .025	Acceptable for Use		
2/13/2023	1	F-01206E-1	Cover, Baggage Floor	T3 .025	Acceptable for Use		
2/13/2023	1	F-01228-1	Cover,Seat Floor	T3 .025	Acceptable for Use		
2/13/2023	2	F-01276B-1	Plate,Cover	T3 .032	Acceptable for Use		
2/13/2023	1	F-01282A	Plate Cover, IS Tailcone	T3 .032	Acceptable for Use		
2/13/2023	1	F-01285-1	Cowl Bottom Close-Out	T3 .032	Acceptable for Use		
2/13/2023	1	F-01298-L	Bracket,Throttle Lever	T3 .025	Acceptable for Use		
2/13/2023	1	F-01298-R	Bracket,Throttle Lever	T3 .025	Acceptable for Use		
2/13/2023	1	F-1207F	BAG.BLKHD	T3 .025	Acceptable for Use		
2/13/2023	4	F-12104	Panel,Access	T3 .032	Acceptable for Use		
2/13/2023	1	F-1230	TUNNEL COVER	T3 .032	Acceptable for Use		
2/13/2023	1	F-1275G	COVER PLATE	T3 .025	Acceptable for Use		
2/13/2023	3	F-1276B	COVER PLATE	T3 .032	Acceptable for Use		
3/27/2023	1	F-01282B	Plate Cover, ULS Tailcone	T3 .032	Acceptable for Use		
4/6/2023	1	C-01221-L	SEAL RETAINER-Left	T3 .020	Acceptable for Use		
4/6/2023	1	C-01221-R	SEAL RETAINER-Right	T3 .020	Acceptable for Use		

12 POWERPLANT

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
4/8/2022	1	F-14103	BRACKET,CABLE	T3 .040	Acceptable for Use		
4/27/2022	1	F-01244-L	Cover,Tunnel Fwd Side	T3 .025	Acceptable for Use		
4/27/2022	1	F-01244-R	Cover,Tunnel Fwd Side	T3 .025	Acceptable for Use		
4/27/2022	1	F-1201V	COOLANT BOTTLE STRAP	T3 .032	Acceptable for Use		
4/27/2022	1	FF-00090J	Heat Muff Dam	T3 .020	Acceptable for Use		

RV-9 TAIL KIT

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
1/16/2022	1	E-905	LEFT ELE. RIB 9/10	T3 .032	Replacement Recommended	Partial	
1/16/2022	1	E-906	RHT.ELEVATOR ROOT RIB	T3 .032	Replacement Recommended	Partial	
1/16/2022	1	E-907	ELEVATOR TRIM SPAR	T3 .032	Replacement Recommended	No	
1/16/2022	10	E-908-L	ELEVATOR SKIN STIFFNR	T3 .025	Acceptable for Use	No	
1/16/2022	1	E-908-R	ELEVATOR SKIN STIFFNR	T3 .025	Acceptable for Use	No	
1/16/2022	1	E-920	TRIM TAB SPAR	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	R-903	RUDDER TOP RIB	T0 .032 heat treated	Replacement Recommended	Yes	
1/16/2022	1	R-904	RUDDER BOTTOM RIB	T3 .032	Replacement Recommended	No	
1/16/2022	1	VS-704	ROOT RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-705	NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-706	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
2/4/2022	1	R-710	RUDDER HORN BRACE	T3 .040	Replacement Recommended	No	
2/9/2022	1	E-615PP	ELEV TRIM MNTG PLATE	T3 .032	Replacement Recommended	Yes	
2/9/2022	2	E-904	ELEVATOR TIP RIB	T0 .032 heat treated	Replacement Recommended	Yes	
2/9/2022	1	R-912	RUDDER C.BALANCE RIB	T0 .032 heat treated	Replacement Recommended	Yes	
2/9/2022	1	VS-707	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
4/13/2022	2	E-903	ELEVATOR TIP RIB	T0 .032	Replacement Recommended	No	
8/1/2022	1	E-616PP	ELEV TRIM COVER	T3 .032	Replacement Recommended	Yes	
8/1/2022	10	HS-904	HORIZONTAL STAB RIB	T3 .025	Acceptable for Use	Yes	
8/1/2022	6	HS-905	HORIZ.STAB NOSE RIB	T3 .025	Acceptable for Use	Difficult	
8/1/2022	1	R-902	RUDDER SPAR	T3 .032	Replacement Recommended	Difficult	
8/1/2022	8	R-915	RUDDER STIFFENER X2	T3 .025	Acceptable for Use	No	
8/1/2022	1	VS-702	VERT. STAB FRONT SPAR	T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	VS-803PP	VERT. STAB REAR SPAR	T3 .032	Replacement Recommended	Partial	
2/16/2023	2	E-902	ELEVATOR SPAR	T3 .032	Replacement Recommended	Difficult	

RV-9 WING

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
2/3/2022	1	VA-195C	ACCESS HATCH DOUBLER	T3 .025	Acceptable for Use	Yes	
5/20/2022	1	A-903-L	AILERON SPAR	T3 .040	Replacement Recommended	No	
5/20/2022	1	A-903-R	AILERON SPAR	T3 .040	Replacement Recommended	No	
5/20/2022	1	FL-903-L	FLAP SPAR	T3 .040	Replacement Recommended	No	
5/20/2022	1	FL-903-R	FLAP SPAR	T3 .040	Replacement Recommended	No	
5/20/2022	6	FL-904-L	FLAP NOSE RIB	T3 .025	Replacement Recommended	Partial	
5/20/2022	6	FL-904-R	FLAP NOSE RIB	T3 .025	Replacement Recommended	Partial	
5/20/2022	9	FL-905-L	FLAP RIB	T3 .025	Acceptable for Use	Difficult	
5/20/2022	9	FL-905-R	FLAP RIB	T3 .025	Acceptable for Use	Difficult	
5/20/2022	2	T-902	FUEL TANK BAFFLE	T3 .032	Acceptable for Use	Difficult	
5/20/2022	1	W-908-L	LEADING EDGE RIB	T0 .032 heat treated	Acceptable for Use	Difficult	
5/20/2022	1	W-908-R	LEADING EDGE RIB	T0 .032 heat treated	Acceptable for Use	Difficult	
5/20/2022	10	W-911-L	INBD.WING RIB .025	T0 .025 heat treated	Acceptable for Use	Yes	Further analysis has proven that loads carried in the fastener holes are low. This component will have very long fatigue life.
5/20/2022	10	W-911-R	INBD.WING RIB .025	T0 .025 heat treated	Acceptable for Use	Yes	Further analysis has proven that loads carried in the fastener holes are low. This component will have very long fatigue life.
5/20/2022	4	W-912-L	OUTBD.WING RIB .025	T0 .025 heat treated	Acceptable for Use	Yes	
5/20/2022	4	W-912-R	OUTBD.WING RIB .025	T0 .025 heat treated	Acceptable for Use	Yes	
8/9/2022	2	A-905-L	AILERON RIB	T3 .025	Replacement Recommended	Yes	
8/9/2022	2	A-905-R	AILERON RIB	T3 .025	Replacement Recommended	Yes	

RV-9 FUSELAGE

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
5/3/2022	2	F-656-L	GUSSET PLATE	T3 .025	Acceptable for Use	Yes	
5/3/2022	2	F-656-R	GUSSET PLATE	T3 .025	Acceptable for Use	Yes	
5/3/2022	1	F-766A	FLAP ACTUATOR CHANNEL	T3 .040	Acceptable for Use	Yes	
5/3/2022	1	F-782A-L	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-782A-R	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-982A-L	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-982A-R	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-982E	ACCESS PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-983C	FUEL VALVE Cover	T3 .020	Acceptable for Use	Yes	
5/6/2022	1	F-643-1	FWD.FUSE RIB	T3 .032	Acceptable for Use	Yes	no holes

RV-8 TAIL KIT

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
1/16/2022	1	E-606PP	ELEVATOR TRIM SPAR	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-607PP	TRIM SPAR	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-709	END ROOT RIB RIGHT	T3 .032,T3 .032	Replacement Recommended	Partial	
1/16/2022	1	E-717	TRIM TAB HORN 7/8	T3 .032,T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-718	TRIM TAB HORN 7/8	T3 .032,T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-720H5	ELEVATOR STIFFENERS	T3 .025	Acceptable for Use	No	
1/16/2022	2	HS-603PP	HORIZ. REAR SPAR	T3 .032,T3 .032	Replacement Recommended	Yes	
1/16/2022	1	R-703	COUNTERBALANCE RIB	T0 .032 heat treated	Replacement Recommended	Yes	
1/16/2022	1	R-704	BOTTOM RIB	T3 .032	Replacement Recommended	No	
1/16/2022	1	R-802PP	RUDDER SPAR	T3 .032,T3 .032	Replacement Recommended	Difficult	
1/16/2022	1	R-815FH	RUDDER STIFFENER	T3 .025	Acceptable for Use	No	
1/16/2022	1	VS-704	ROOT RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-705	NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-706	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
2/4/2022	1	R-710	RUDDER HORN BRACE	T3 .040	Replacement Recommended	No	
2/9/2022	1	E-615PP	ELEV TRIM MNTG PLATE	T3 .032,T3 .032	Replacement Recommended	Yes	
2/9/2022	2	E-703	END RIB	T0 .025 heat treated	Replacement Recommended	No	
2/9/2022	2	E-704	COUNTERBALANCE RIB	T0 .025 heat treated	Replacement Recommended	Yes	
2/9/2022	2	HS-00005	RIB,INBD.AFT	T3 .032	Acceptable for Use	Yes	
2/9/2022	2	HS-706	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
2/9/2022	2	HS-707	NOSE RIB	T0 .025 heat treated	Acceptable for Use	No	
2/9/2022	2	HS-708	MAIN RIB	T0 .025 heat treated	Acceptable for Use	Difficult	
2/9/2022	1	VS-707	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
8/1/2022	1	E-616PP	ELEV TRIM COVER	T3 .032,T3 .032	Replacement Recommended	Yes	
8/1/2022	2	E-702	ELEVATOR SPAR	T3 .032,T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	E-705	END ROOT RIB LEFT	T3 .032,T3 .032	Replacement Recommended	Partial	
8/1/2022	2	E-720ABCH	ELEVATOR STIFFENERS	T3 .025	Acceptable for Use	No	
8/1/2022	4	E-720DEFG	ELEVATOR STIFFENERS	T3 .025	Acceptable for Use	No	
8/1/2022	2	HS-00006	RIB,INBOARD,FWD	T3 .032	Acceptable for Use	Yes	
8/1/2022	2	HS-702	FRONT SPAR	T3 .032,T3 .032	Replacement Recommended	Difficult	
8/1/2022	2	R-815BDE	RUDDER STIFFENER	T3 .025	Acceptable for Use	No	
8/1/2022	2	R-815CGA	RUDDER STIFFENER	T3 .025	Acceptable for Use	No	
8/1/2022	1	VS-702	VERT. STAB FRONT SPAR	T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	VS-803PP	VERT. STAB REAR SPAR	T3 .032	Replacement Recommended	Partial	

RV-8 WING

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
2/3/2022	8	A-710	STIFFENER	T3 .025	Acceptable for Use	No	
2/3/2022	1	VA-195C	ACCESS HATCH DOUBLER	T3 .025	Acceptable for Use	Yes	
5/19/2022	1	FL-803PP-1-L	FLAP SPAR	T3 .040	Replacement Recommended	No	
5/19/2022	1	FL-803PP-1-R	FLAP SPAR	T3 .040	Replacement Recommended	No	
5/19/2022	1	W-710-L	INBD WING RIB	T0 .032 heat treated,T3 .032	Replacement Recommended or Wait for Alternate Solution	Yes	This part may change classification to blue after further analysis
5/19/2022	1	W-710-R	INBD WING RIB	T0 .032 heat treated,T3 .032	Replacement Recommended or Wait for Alternate Solution	Yes	This part may change classification to blue after further analysis
5/19/2022	1	W-721-L	FLAP BRACE	T3 .040	Replacement Recommended	Yes	
5/19/2022	1	W-721-R	FLAP BRACE	T3 .040	Replacement Recommended	Yes	
5/19/2022	1	W-724-L	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
5/19/2022	1	W-724-R	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
6/30/2022	2	A-704-L	AILERON NOSE RIB	T3 .040	Replacement Recommended	No	
6/30/2022	2	A-704-R	AILERON NOSE RIB	T3 .040	Replacement Recommended	No	
6/30/2022	2	A-705-L	AILERON RIB	T3 .025	Replacement Recommended	Yes	
6/30/2022	2	A-705-R	AILERON RIB	T3 .025	Replacement Recommended	Yes	
6/30/2022	2	FL-704-L	FLAP RIB	T3 .025	Replacement Recommended	Partial	
6/30/2022	2	FL-704-R	FLAP RIB	T3 .025	Replacement Recommended	Partial	
6/30/2022	8	FL-705	FLAP RIB	T3 .025	Acceptable for Use	Difficult	
6/30/2022	1	T-702-L	FUEL TANK BAFFLE	T3 .032	Acceptable for Use	Difficult	
6/30/2022	1	T-702-R	FUEL TANK BAFFLE	T3 .032	Acceptable for Use	Difficult	
6/30/2022	2	T-703-L	FUEL TANK RIB	T0 .032 heat treated	Acceptable for Use	Yes	
6/30/2022	2	T-703-R	FUEL TANK RIB	T0 .032 heat treated	Acceptable for Use	Yes	
6/30/2022	5	T-704-L	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	Difficult	
6/30/2022	5	T-704-R	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	Difficult	
6/30/2022	4	T-711	FUEL TANK STIFFENER	T3 .032	Acceptable for Use	No	
6/30/2022	5	W-709-L	WING LEADING EDGE RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	5	W-709-R	WING LEADING EDGE RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	10	W-711-L	INBD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	10	W-711-R	INBD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	3	W-712-L	OUTBOARD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	3	W-712-R	OUTBOARD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	

RV-8 FUSELAGE

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
3/2/2022	1	F-802A-L-1	FWD.L.GEAR BULKHEAD	T3 .040	Replacement Recommended	Yes	This part stabilizes the load carrying members of the landing gear tower. Van's Aircraft may reclassify after further load analysis or derive a alternate solution rather than part replacement.
3/2/2022	1	F-802A-R-1	FWD.L.GEAR BULKHEAD	T3 .040	Replacement Recommended	Yes	This part stabilizes the load carrying members of the landing gear tower. Van's Aircraft may reclassify after further load analysis or derive a alternate solution rather than part replacement.
3/2/2022	1	F-802B-L-1	AFT.L.GEAR BULKHEAD	T3 .040	Replacement Recommended	Yes	This part stabilizes the load carrying members of the landing gear tower. Van's Aircraft may reclassify after further load analysis or derive a alternate solution rather than part replacement.
3/2/2022	1	F-802B-R-1	AFT.L.GEAR BULKHEAD	T3 .040	Replacement Recommended	Yes	This part stabilizes the load carrying members of the landing gear tower. Van's Aircraft may reclassify after further load analysis or derive a alternate solution rather than part replacement.
3/2/2022	1	F-8112-L-1	MID CABIN COVR.SUPPORT 8A	T3 .040	Acceptable for Use	Yes	
3/2/2022	1	F-8112-R-1	MID CABIN COVR.SUPPORT 8A	T3 .040	Acceptable for Use	Yes	
3/2/2022	1	F-861PP-L	LANDING GEAR CVR PLT	T3 .020	Acceptable for Use	Yes	
3/2/2022	1	F-861PP-R	LANDING GEAR CVR PLT	T3 .020	Acceptable for Use	Yes	
3/2/2022	1	F-883-1	FUEL VALVE BRACKET -8	T3 .040	Acceptable for Use	Yes	
3/7/2022	1	F-802VPP	FUSE.BLKHD.BRACE -8A	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-803C-1	INST.PNL ATTACH FLANGE	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-807B-1	AFT BULKHEAD	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-808B-1	AFT BULKHEAD	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-809B-1	AFT BULKHEAD	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-8100B-1	THROTTLE QUADRANT	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-8101-1	CONSOLE	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-8104	FWD.SKIN SUPPORT RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-810A-1	AFT BULKHEAD	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-829A-1	FRONT SEAT FLOOR	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-829B-L-1	FOOT WELL INBD.WEB	T3 .025	Acceptable for Use	Yes	Interior panel
3/7/2022	1	F-829B-R-1	FOOT WELL INBD.WEB	T3 .025	Acceptable for Use	Yes	Interior panel
3/7/2022	1	F-830B-1	FLOOR STIFFENER	T3 .032	Acceptable for Use	Difficult	
3/7/2022	1	F-833B-L-1	REAR SEATBACK SIDE	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-833B-R-1	REAR SEATBACK SIDE	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-833C-1	SEATBACK TOP FLANGE	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-833E	SEATBACK TOP PANEL	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-833F	SEATBACK TOP WEB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-836-L-1	FLOOR RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-836-R-1	FLOOR RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-862-1	REAR BAGGAGE BULKHEAD	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-864D-1	THROTTLE QUAD.BRACKET	T3 .032	Acceptable for Use	Yes	
3/7/2022	1	F-865B-1	CONSOLE ANGLE	T3 .032	Acceptable for Use	Yes	Non structural
3/7/2022	1	F-869-L-1	BULKHEAD GUSSET	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-869-R-1	BULKHEAD GUSSET	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-871-1	FWD.BAGGAGE SIDE	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-873B-1	BAGGAGE DOOR FWD.RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-873C-1	BAGGAGE DOOR AFT RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-879-1	SEAT RAMP	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-880B-L-1	FWD SEAT RAMP RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-880B-R-1	FWD SEAT RAMP RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-880C-L-1	FWD SEAT RAMP RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-880C-R-1	FWD SEAT RAMP RIB	T3 .025	Acceptable for Use	Yes	
3/7/2022	1	F-882-1	CANOPY RAIL RECEPTICL	T3 .025	Acceptable for Use	Yes	
3/7/2022	2	F-892-L-1	FWD FLOOR RIB	T3 .025	Acceptable for Use	No	
3/7/2022	1	F-892-R-1	FWD FLOOR RIB	T3 .025	Acceptable for Use	No	
6/22/2022	1	F-802M-L-1	FLOOR RIB	T3 .032	Acceptable for Use	No	
6/22/2022	1	F-802M-R-1	FLOOR RIB	T3 .032	Acceptable for Use	No	
6/22/2022	1	F-802U-1	CROSS MEMBER	T3 .032	Acceptable for Use	No	
6/22/2022	1	F-8100C-1	THRTL.QUAD ANGLE	T3 .032	Acceptable for Use	Yes	Non structural
6/22/2022	1	F-821B-1	AFT BAG DOOR SUPPORT	T3 .032	Acceptable for Use	Yes	Non structural
6/22/2022	1	F-821C-1	FWD.BAG DOOR SUPPORT	T3 .032	Acceptable for Use	Yes	Non structural
6/22/2022	1	F-829C-L-1	FOOT WELL RECESS	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-829C-R-1	FOOT WELL RECESS	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-829D-L-1	FOOT WELL OUTBD.WEB	T3 .025	Acceptable for Use	Yes	Interior panel
6/22/2022	1	F-829D-R-1	FOOT WELL OUTBD.WEB	T3 .025	Acceptable for Use	Yes	Interior panel
6/22/2022	1	F-830C-1	FLOOR STIFFENER	T3 .032	Acceptable for Use	Difficult	
6/22/2022	1	F-830DEF-1	FLOOR STIFFENER	T3 .032	Acceptable for Use	Difficult	
6/22/2022	1	F-831-1	RIGHT SEAT FLOOR	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-832A-1	FRONT SEATBACK 8/8A	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-833A	REAR SEATBACK	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-834-1	AFT BAGGAGE FLOOR	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-835-1	REAR BAGGAGE SHELF	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-864B-1	THROTTLE QUADRANT MNT	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-864C-1	THROTTLE QUAD.ANGLE	T3 .032	Acceptable for Use	Yes	Non structural
6/22/2022	1	F-864DA-1	THRTL.QUAD.BRACKET	T3 .032	Acceptable for Use	Yes	
6/22/2022	2	F-872APP	WING ROOT FAIRING -FWD	T3 .025	Acceptable for Use	Yes	
6/22/2022	2	F-872BPP	WING ROOT FAIRING- AFT	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-873E-1	BAG.DOOR OUTBRD.RIB	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-873G-1	HINGE SUPPORT	T3 .032	Acceptable for Use	Yes	
6/22/2022	1	F-873H	SPACER	T3 .032	Acceptable for Use	Yes	
6/22/2022	1	F-876-L-1	AFT CABIN Cover	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-876-R-1	AFT CABIN Cover	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-880A-1	FWD SEAT RAMP	T3 .025	Acceptable for Use	Yes	
6/22/2022	2	F-881-1	MID CABIN Cover	T3 .025	Acceptable for Use	Yes	
6/22/2022	1	F-899-1	FWD.BAGGAGE SIDE -8A	T3 .025	Acceptable for Use	Yes	

RV-7 TAIL KIT

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
1/16/2022	1	E-606PP	ELEVATOR TRIM SPAR	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-607PP	TRIM SPAR	T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-709	END ROOT RIB RIGHT	T3 .032,T3 .032	Replacement Recommended	Partial	
1/16/2022	1	E-717	TRIM TAB HORN 7/8	T3 .032,T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-718	TRIM TAB HORN 7/8	T3 .032,T3 .032	Replacement Recommended	Yes	
1/16/2022	1	E-720H5	ELEVATOR STIFFENERS	T3 .025	Acceptable for Use	No	
1/16/2022	2	HS-603PP	HORIZ. REAR SPAR	T3 .032,T3 .032	Replacement Recommended	Yes	
1/16/2022	1	R-903	RUDDER TOP RIB	T0 .032 heat treated	Replacement Recommended	Yes	
1/16/2022	1	R-904	RUDDER BOTTOM RIB	T3 .032	Replacement Recommended	No	
1/16/2022	1	VS-704	ROOT RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-705	NOSE RIB	T0 .032 heat treated	Acceptable for Use	Yes	
1/16/2022	1	VS-706	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
2/4/2022	1	R-710	RUDDER HORN BRACE	T3 .040	Replacement Recommended	No	
2/9/2022	1	E-615PP	ELEV TRIM MNTG PLATE	T3 .032,T3 .032	Replacement Recommended	Yes	
2/9/2022	2	E-703	END RIB	T0 .025 heat treated	Replacement Recommended	No	
2/9/2022	2	E-704	COUNTERBALANCE RIB	T0 .025 heat treated	Replacement Recommended	Yes	
2/9/2022	2	HS-00005	RIB,INBD,AFT	T3 .032	Acceptable for Use	Yes	
2/9/2022	2	HS-706	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
2/9/2022	2	HS-707	NOSE RIB	T0 .025 heat treated	Acceptable for Use	No	
2/9/2022	2	HS-708	MAIN RIB	T0 .025 heat treated	Acceptable for Use	Difficult	
2/9/2022	1	R-912	RUDDER C.BALANCE RIB	T0 .032 heat treated	Replacement Recommended	Yes	
2/9/2022	1	VS-707	TIP RIB	T0 .025 heat treated	Acceptable for Use	Yes	
8/1/2022	1	E-616PP	ELEV TRIM COVER	T3 .032,T3 .032	Replacement Recommended	Yes	
8/1/2022	2	E-702	ELEVATOR SPAR	T3 .032,T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	E-705	END ROOT RIB LEFT	T3 .032,T3 .032	Replacement Recommended	Partial	
8/1/2022	2	E-720ABCH	ELEVATOR STIFFENERS	T3 .025	Acceptable for Use	No	
8/1/2022	4	E-720DEFG	ELEVATOR STIFFENERS	T3 .025	Acceptable for Use	No	
8/1/2022	2	HS-00006	RIB,INBOARD,FWD	T3 .032	Acceptable for Use	Yes	
8/1/2022	2	HS-702	FRONT SPAR	T3 .032,T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	R-902	RUDDER SPAR	T3 .032,T3 .032	Replacement Recommended	Difficult	
8/1/2022	8	R-915	RUDDER STIFFENER X2	T3 .025	Acceptable for Use	No	
8/1/2022	1	VS-702	VERT. STAB FRONT SPAR	T3 .032	Replacement Recommended	Difficult	
8/1/2022	1	VS-803PP	VERT. STAB REAR SPAR	T3 .032	Replacement Recommended	Partial	

RV-7 WING

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
2/3/2022	8	A-710	STIFFENER	T3 .025	Acceptable for Use	No	
2/3/2022	1	VA-195C	ACCESS HATCH DOUBLER	T3 .025	Acceptable for Use	Yes	
5/19/2022	1	FL-703-L	FLAP SPAR	T3 .040	Replacement Recommended	No	
5/19/2022	1	FL-703-R	FLAP SPAR	T3 .040	Replacement Recommended	No	
5/19/2022	1	W-710-L	INBD WING RIB	T0 .032 heat treated,T3 .032	Replacement Recommended	Yes	This part may change classification to blue after further analysis
5/19/2022	1	W-710-R	INBD WING RIB	T0 .032 heat treated,T3 .032	Replacement Recommended	Yes	This part may change classification to blue after further analysis
5/19/2022	1	W-721-L	FLAP BRACE	T3 .040	Replacement Recommended	Yes	
5/19/2022	1	W-721-R	FLAP BRACE	T3 .040	Replacement Recommended	Yes	
5/19/2022	1	W-724-L	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
5/19/2022	1	W-724-R	AILERON GAP FAIRING	T3 .020	Acceptable for Use	Yes	
6/30/2022	2	A-704-L	AILERON NOSE RIB	T3 .040	Replacement Recommended	No	
6/30/2022	2	A-704-R	AILERON NOSE RIB	T3 .040	Replacement Recommended	No	
6/30/2022	2	A-705-L	AILERON RIB	T3 .025	Replacement Recommended	Yes	
6/30/2022	2	A-705-R	AILERON RIB	T3 .025	Replacement Recommended	Yes	
6/30/2022	2	FL-704-L	FLAP RIB	T3 .025	Replacement Recommended	Partial	
6/30/2022	2	FL-704-R	FLAP RIB	T3 .025	Replacement Recommended	Partial	
6/30/2022	8	FL-705	FLAP RIB	T3 .025	Acceptable for Use	No	
6/30/2022	1	T-702-L	FUEL TANK BAFFLE	T3 .032	Acceptable for Use	Difficult	
6/30/2022	1	T-702-R	FUEL TANK BAFFLE	T3 .032	Acceptable for Use	Difficult	
6/30/2022	2	T-703-L	FUEL TANK RIB	T0 .032 heat treated	Acceptable for Use	Yes	
6/30/2022	2	T-703-R	FUEL TANK RIB	T0 .032 heat treated	Acceptable for Use	Yes	
6/30/2022	5	T-704-L	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	Difficult	
6/30/2022	5	T-704-R	FUEL TANK RIB	T0 .025 heat treated	Acceptable for Use	Difficult	
6/30/2022	4	T-711	FUEL TANK STIFFENER	T3 .032	Acceptable for Use	No	
6/30/2022	5	W-709-L	WING LEADING EDGE RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	5	W-709-R	WING LEADING EDGE RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	10	W-711-L	INBD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	10	W-711-R	INBD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	3	W-712-L	OUTBOARD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	
6/30/2022	3	W-712-R	OUTBOARD WING RIB	T0 .025 heat treated	Acceptable for Use	Yes	
8/17/2022	1	FL-702-L	FLAP BOTTOM SKIN	T3 .025	Replacement Recommended	Yes	
8/17/2022	1	FL-702-R	FLAP BOTTOM SKIN	T3 .025	Replacement Recommended	Yes	

RV-7 FUSELAGE

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
5/3/2022	2	F-656-L	GUSSET PLATE	T3 .025	Acceptable for Use	Yes	
5/3/2022	2	F-656-R	GUSSET PLATE	T3 .025	Acceptable for Use	Yes	
5/3/2022	1	F-766A	FLAP ACTUATOR CHANNEL	T3 .040	Acceptable for Use	Yes	
5/3/2022	1	F-782A-L	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-782A-R	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-782C	CENTER CABIN COVER	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-982A-L	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-982A-R	Cover PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-982E	ACCESS PLATE	T3 .020	Acceptable for Use	Yes	
5/3/2022	1	F-983C	FUEL VALVE Cover	T3 .020	Acceptable for Use	Yes	
5/6/2022	1	F-643-1	FWD.FUSE RIB	T3 .032	Acceptable for Use	Yes	No holes

RV-3/4 WING

Laser Status

First Date In Inventory	QTY per kit	PARTS PRODUCED ON LASER THROUGH JUNE 2023	Description	Material	Status	Inspectable	External_Notes
2/3/2022	8	A-710	STIFFENER	T3 .025	Acceptable for Use	No	
4/29/2022	2	T-403-R	032 TANK END WING RT	T0 .032 heat treated	Acceptable for Use		
4/29/2022	3	T-404-L	025 TANK RIB LEFT	T0 .025 heat treated	Acceptable for Use		
4/29/2022	3	T-404-R	025 TANK RIB RIGHT	T0 .025 heat treated	Acceptable for Use		
4/29/2022	4	W-307-L	LEADING EDGE RIB .020	T0 .025 heat treated	Acceptable for Use		
4/29/2022	4	W-307-R	LEADING EDGE RIB .020	T0 .025 heat treated	Acceptable for Use		
4/29/2022	1	W-410-1L	NOTCHED MAIN RIB 032	T0 .032 heat treated	Acceptable for Use		
4/29/2022	1	W-410-1R	NOTCHED MAIN RIB 032	T0 .032 heat treated	Acceptable for Use		
4/29/2022	6	W-411-L	025 MAIN RIB LEFT	T0 .025 heat treated	Acceptable for Use		
4/29/2022	6	W-411-R	025 MAIN RIB RIGHT	T0 .025 heat treated	Acceptable for Use		
6/30/2022	2	A-704-L	AILERON NOSE RIB	T3 .040	Replacement Recommended	No	
6/30/2022	2	A-704-R	AILERON NOSE RIB	T3 .040	Replacement Recommended	No	
6/30/2022	2	A-705-L	AILERON RIB	T3 .025	Replacement Recommended	Yes	
6/30/2022	2	A-705-R	AILERON RIB	T3 .025	Replacement Recommended	Yes	
8/31/2022	3	W-4091-L	NOTCHED RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	3	W-4091-R	NOTCHED RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	2	W-4092-L	NOTCHED RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	2	W-4092-R	NOTCHED RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	3	W-4111-L	NOTCHED MAIN RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	3	W-4111-R	NOTCHED MAIN RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	2	W-4112-L	NOTCHED MAIN RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	2	W-4112-R	NOTCHED MAIN RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	2	W-4113-L	NOTCHED MAIN RIB 025	T0 .025 heat treated	Acceptable for Use		
8/31/2022	2	W-4113-R	NOTCHED MAIN RIB 025	T0 .025 heat treated	Acceptable for Use		
2/2/2023	2	T-403-L	032 TANK END WING LFT	T0 .032 heat treated	Acceptable for Use		