

STINSON

Stinson Index

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Because of various applications of some parts, we suggest that you have a Stinson parts manual to assist you in selecting the proper parts.

Univair is the Type Certificate holder for the Stinson 108 series. We have thousands of quality parts specifically for these airplanes. Many of our parts are made on the original tooling that was used when these great aircraft were first made. We also have distributor parts such as tires, batteries, tailwheels, and much, much more.

Since 1946, Univair has been here to serve the parts needs of "Classic" general aviation aircraft!

All parts listed are for the 1946, 1947 and 1948 models of the 108 series Stinson, unless otherwise specified. Please include your aircraft model and serial number when ordering any parts or supplies.

*1947 Stinson 108-1
at Massey Aerodrome, Maryland
Photo: Mike Roe*



STINSON

Manuals



Description	Part #	Price
108 Series Parts Catalog.....	SPM	\$26.47
General Service Manual	SSM	\$34.95
Service Bulletins and Letters.....	SBL	\$24.43
Stinson Specifications, ADs and STCs.....	SSS	\$10.18
108 CAA Operating Limits	108CAA	\$6.11
108-1 CAA Approved Operating Limits.....	1CAA	\$8.52
108-2 CAA Approved Flight Manual	2CAA	\$6.11
108-3 CAA Approved Flight Manual	3CAA	\$6.11
108-1 Owner's Manual.....	1WM	\$13.91
108-2 Owner's Manual.....	2WM	\$13.91
108-3 Owner's Manual.....	3WM	\$13.91
108-1 Seaplane Operating Limits.....	1SP	\$8.52
108-2 Seaplane Flight Manual.....	2SP	\$6.11
108-3 Seaplane Flight Manual.....	3SP	\$6.11
108 Ski-Plane Supplement.....	SKS	\$1.71
108-1 Ski-Plane Supplement	1SKS	\$1.71
108-2/-3 Sensenich Prop. Supplement	SFMS	\$1.02
Appendix A Supplement (165hp conversion).....	SXA	\$1.71
Stinson Story of Aircraft Progress.....	SSY	\$19.68
Stinson Time/Speed/Distance Computer.....	SWC	\$10.68
Stinson Computer Instructions.....	SCI	\$6.00

Stinson's Golden Age, Volumes 1 and 2

• By John C. Swick (author), Robert L. Taylor (foreword), ©2010, paperback

Stinson's Golden Age is about the history of the Stinson 108 series airplane (the Voyager), although the Stinson 105, Stinson 10 and 10A, as well as the Stinson L-5, are also covered in great detail. It begins in Stinson's Golden Age, Volume 1, with the three-place 105 in 1938 and concludes in Stinson's Golden Age, Volume 2, with the sale of the last Stinson 108-3 from Willow Run in 1950. Stinson's Golden Age includes production figures, the disposal of surplus military aircraft, the all-Piper Apache and the chronicle of two Stinson dealers, all included to give the reader a better sense of the Golden Age of Aviation.



Stinson's Golden Age, Volume 1	SGA-1	\$26.95
Stinson's Golden Age, Volume 2	SGA-2	\$26.95

Wings

Description	Part #	Price
Lift Strut Fillet		
Upper Forward, LH.....	108-1001001-0	\$79.66
Upper Forward, RH	108-1001001-1	\$79.66
Upper Rear, LH.....	108-1001002-0	\$77.34
Upper Rear, RH	108-1001002-1	\$77.34
Lower, LH.....	108-1001003-0	\$171.29
Lower, RH	108-1001003-1	\$171.29
Lift Strut Lower Fillet Rib	108-1001004	\$35.00
Wing Gap Band		
Upper, LH.....	108-1101002-6	\$45.35
Upper, RH	108-1101002-7	\$45.35
Lower, LH.....	108-1101003-6	\$61.87
Lower, RH	108-1101003-7	\$61.87
Fuel Tank Strap Reinforcement.....	108-1101013	\$10.18
Fuel Tank Strap Cover	108-1101014	\$29.14
Front Spar Tip		
LH.....	108-1111006-6	\$79.20
RH.....	108-1111006-7	\$79.20
Spar Drag Wire Block		
Station 169.97, LH.....	108-1111051-6	\$39.20
Station 169.97, RH.....	108-1111051-7	\$39.20
Station 128.84, LH.....	108-1111063-6	\$50.78
Station 128.84, RH.....	108-1111063-7	\$30.58
Station 1.25, LH.....	108-1111074-8	\$33.88
Station 1.25, RH.....	108-1111074-9	\$33.88
Rear Spar Tip		
RH, 1946-47	108-1111061-7	\$44.56
LH, 1946-1948.....	108-1111061-8	\$62.63
RH, 1948.....	108-1111061-9	\$62.63
LH Rear Spar Lift Strut Forward Bracket		
Serial numbers 1 to 742	108-1111065-0A	\$265.99
Serial numbers 743 and up.....	108-1111065-0B	\$265.99
RH Rear Spar Lift Strut Forward Bracket		
Serial numbers 1 to 742	108-1111065-1A	\$265.99
Serial numbers 743 and up.....	108-1111065-1B	\$265.99
Front Spar Forward Fitting		
LH.....	108-1111076-400	\$91.78
RH.....	108-1111076-401	\$91.78
Rear Spar Forward Fitting, 1946-47		
LH.....	108-1112078-400	\$61.54
RH.....	108-1112078-401	\$61.54
Rear Spar Aft Fitting, 1946-1947		
LH.....	108-1112079	\$38.55
RH.....	108-1112079-1	\$50.78
Landing Light		
Bracket	108-1111088	\$40.00
Bracket	108-1111089	\$40.00
Lens.....	108-1111091	\$54.04
Lens Retainer.....	108-1111086	\$20.97
Lens Retainer.....	108-1111087	\$17.71
Reflector.....	108-1161003	\$18.73
Retainer (1111084)	108-1111084-6	\$26.11
Retainer.....	108-1111126	\$48.47

STINSON

Description	Part #	Price
Vent Intake Grille	108-1111130	\$24.02
Fuel Tank Cap, 1946-1947	108-1121111	\$119.16
Fuel Tank Strap Assembly.....	108-1121119	\$121.74
Fuel Gauge Sender (1517050).....	7740-313	\$302.93
Pitot Tube Assembly.....	108-1131002	\$251.14
Aileron Bellcrank, SN 1 to 3109		
LH	108-1141204-0	\$270.53
RH.....	108-1141204-1	\$270.53
Aileron		
Idle Cable	108-1141206	\$100.32
Control Cable	108-1141208	\$86.55
Bellcrank Assembly, LH, SN 3110 and up.....	108-1142204-0	\$193.79
Bellcrank Assembly, RH, SN 3110 and up	108-1142204-1	\$193.79
Trim Tab, SN 2250 to 3500	108-1711014	\$5.09
Flap Bellcrank		
LH Support, SN 1 to 3109	108-1141501-0	\$73.02
RH Support, SN 1 to 3109.....	108-1141501-1	\$73.02
LH Support, SN 3110 and up	108-1141501-2	\$125.70
RH Support, SN 3110 and up	108-1141501-3	\$111.99
Flap Control		
Cable	108-1141506	\$82.58
Bellcrank, SN 3110 and up.....	108-1142500	\$231.96
Wing Leading Edge Slat	108-1811300-2	\$458.75
Rear Strut Yoke.....	108-1911013	\$78.52
Flap Return Spring.....	108-8441000	\$58.15
Flap Level Spring.....	108-8441001	\$5.09
Bearing (CS1255)	452-342	\$2.50

Lift Struts for 108 Series

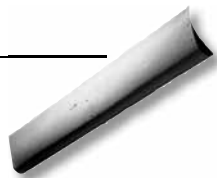


Front Strut.....	108-1911000	\$1,217.30
Rear Strut.....	108-1911010	\$1,097.64

Leading Edge Slat

• For all 108 Stinsons

Leading Edge Slat	108-1811300-2	\$458.75
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Aileron Inspection Hole Frame and Cover



Aileron Inspection Hole

Frame	108-1711011	\$8.14
Cover	108-1711012	\$16.00

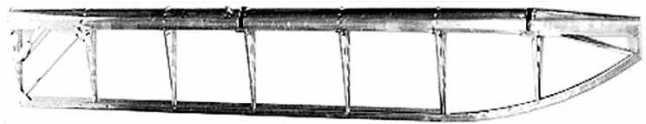
Landing Light Lens

108-1111091	\$54.04
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Aileron for all 108 series

On 108-3 aircraft, these ailerons may be used instead of the 1712020-0 and 1712020-1, if used in pairs.



Left, Uncovered.....	108-1711000-0	\$1,182.05
Right, Uncovered.....	108-1711000-1	\$1,182.05

Flaps

Left Flap	108-12906.....	\$2,778.53
Right Flap	108-12906-1.....	\$2,778.53

Wing Assemblies, Uncovered

FAA/PMA
APPROVED

- Wings exclude flaps, ailerons, pitot tubes, fuel tanks and landing lights
- See page 141 for listing of wing parts
- Available while supply lasts

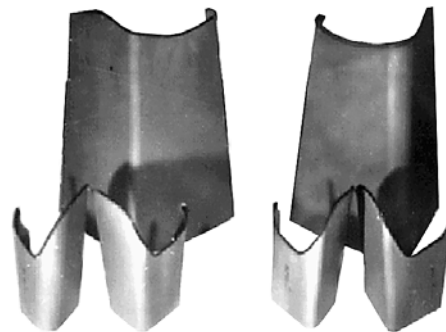
1946, 1947

Left	108-1111000-1 ...	\$14,321.07
Right.....	108-1111001-1 ...	\$14,321.07

1948

Left	108-1111000-2 ...	\$14,321.07
Right.....	108-1111001-2 ...	\$14,321.07

Strut Fillets



Lift Strut – Upper Fillet

Front, Left.....	108-1001001-0	\$79.66
Front, Right	108-1001001-1	\$79.66
Rear, Left	108-1001002-0	\$77.34
Rear, Right.....	108-1001002-1	\$77.34

Lift Strut – Lower Fillet

Left	108-1001003-0	\$171.29
Right.....	108-1001003-1	\$171.29

Pitot Tube

108-1131002	\$251.14
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Wing Assembly

- 1946 and 1947 wing assemblies may not be used on 1948 (108-3) airplanes
- When ordering always include part number, description, and aircraft serial number
- Separate crating charges apply for wing assemblies; see chart on page 391 for details

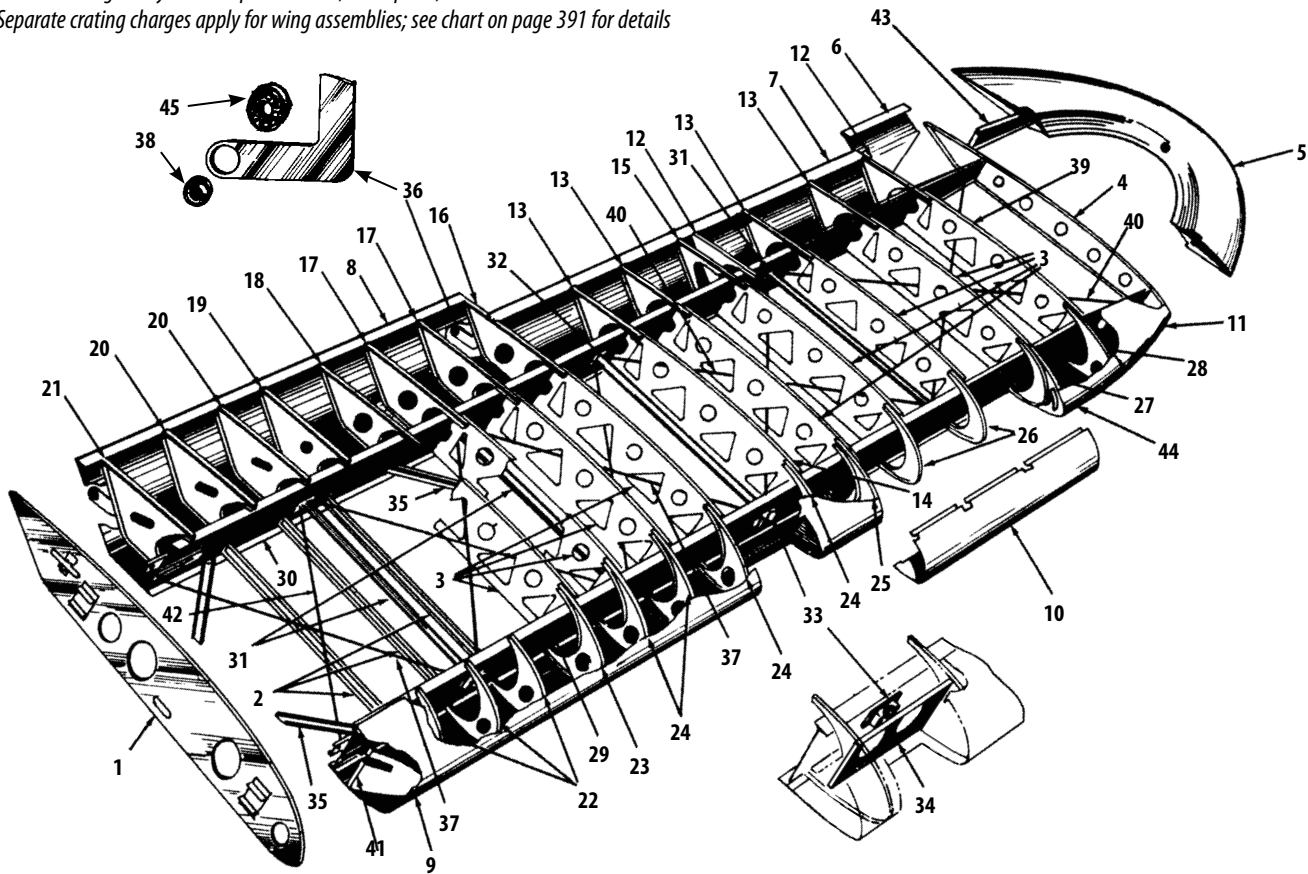


Fig. #	Description	Code	# Req'd	Year of Aircraft	Part #	Price
1	Rib Assembly, Wing Root, LH	A	1	1946, 1947	108-1111038-0	\$399.79
	Rib Assembly, Wing Root, RH	A	1	1946, 1947	108-1111038-1	\$348.82
	Rib Assembly, Wing Root, LH	B	1	1947	108-1111038-2	\$265.54
	Rib Assembly, Wing Root, RH	B	1	1947	108-1111038-3	\$685.38
	Rib Assembly, Wing Root, LH		1	1948	108-1111038-4	\$283.20
	Rib Assembly, Wing Root, RH		1	1948	108-1111038-5	\$283.20
2	Wing Rib, stations 12.88 through 33.50	C	6	1946, 1947, 1948	108-1111009	\$106.11
3	Wing Rib		16	1946, 1947, 1948	108-1111010	\$97.55
4	Wing Rib, LH Tip, station 170.19		1	1946, 1947, 1948	108-1111032-0	\$155.74
	Wing Rib, RH Tip, station 170.19		1	1946, 1947, 1948	108-1111032-1	\$155.74
5	Tip Assembly, LH Wing		1	1946, 1947, 1948	108-1111050-0	\$1,362.69
	Tip Assembly, RH Wing		1	1946, 1947, 1948	108-1111050-1	\$1,895.74
6	Wing Trailing Edge, LH, stations 156.00 through 170.19		1	1946, 1947, 1948	108-1111047-0	\$113.40
	Wing Trailing Edge, RH, stations 156.00 through 170.19		1	1946, 1947, 1948	108-1111047-1	\$113.40
7	Wing, Outboard Trailing Edge Assembly, LH		1	1946, 1947, 1948	108-1111046-0	\$311.08
	Wing, Outboard Trailing Edge Assembly, RH		1	1946, 1947, 1948	108-1111046-1	\$311.08
8	Wing, Inboard Trailing Edge Assembly, LH		1	1946, 1947	108-1111045-0	\$311.07
	Wing, Inboard Trailing Edge Assembly, RH		1	1946, 1947	108-1111045-1	\$311.07
	Wing, Inboard Trailing Edge Assembly, LH		1	1948	108-1111045-2	\$311.07
	Wing, Inboard Trailing Edge Assembly, RH		1	1948	108-1111045-3	\$311.07
	Skin Assembly, LH Wing Leading Edge, Root Rib to station 104.31		1	1946, 1947	108-1111043-6	\$391.08
9	Skin Assembly, RH Wing Leading Edge, with landing lights		1	1946, 1947	108-1111043-7	\$352.90
	Skin Assembly, LH Wing Leading Edge, Root Rib to station 104.31		1	1948	108-1111043-10	\$324.01
	Skin Assembly, RH Wing Leading Edge, Root Rib to station 104.31		1	1948	108-1111043-11	\$324.03
10	Leading Edge Skin, LH, stations 104.31 through 143.81		1	1946, 1947, 1948	108-1111040-6	\$64.31
	Leading Edge Skin, RH, stations 104.31 through 143.81		1	1946, 1947, 1948	108-1111040-7	\$74.66

Chart continued on next page

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Wing Assembly (continued)

Fig. #	Description	Code	# Req'd	Year of Aircraft	Part #	Price
11	Outboard Leading Edge Skin, LH		1	1946, 1947, 1948	108-1111041-10	\$339.30
	Outboard Leading Edge Skin, RH		1	1946, 1947, 1948	108-1111041-11	\$339.30
12	Hanger Assembly, Wing Trailing Edge, LH, stations 116.875, 155.875		2	1946, 1947, 1948	108-1111021-0	\$241.92
	Hanger Assembly, Wing Trailing Edge, RH, stations 116.875, 155.875		2	1946, 1947, 1948	108-1111021-1	\$241.92
13	Former, Wing Trailing Edge		8	1946, 1947, 1948	108-1111013	\$26.93
14	Wing Rib, station 94.00		2	1946, 1947, 1948	108-1111123	\$79.27
15	Former, Wing Trailing Edge, station 113.50		2	1946, 1947, 1948	108-1111108	\$24.30
16	Hanger Assembly, Wing Trailing Edge, station 77.875, LH or RH		1	1946, 1947, 1948	108-1111028	\$207.60
17	Former, Wing Trailing Edge		4	1946, 1947, 1948	108-1111008-6	\$28.30
18	Hanger Assembly, Wing Trailing Edge, LH, station 46.00		1	1946, 1947	108-1111011-400	\$163.64
	Hanger Assembly, Wing Trailing Edge, RH, station 46.00		1	1946, 1947	108-1111011-401	\$163.64
	Hanger Assembly, Wing Trailing Edge, LH, station 46.00		1	1948	108-1112149-1	\$288.70
	Hanger Assembly, Wing Trailing Edge, RH, station 46.00		1	1948	108-1112149-0	\$128.28
19	Former, Wing Trailing Edge, station 33.50		2	1946, 1947, 1948	108-1111107	\$24.30
20	Former, Wing Trailing Edge		4	1946, 1947, 1948	108-1111029-6	\$26.93
21	Hanger Assembly, Wing Trailing Edge, LH, station 1.625	D	1	1946, 1947, 1948	108-1111012-0	\$163.64
	Hanger Assembly, Wing Trailing Edge, RH, station 1.625		1	1946, 1947, 1948	108-1111012-1	\$163.64
	Hanger Assembly, Wing Trailing Edge, LH, station 1.625	E	1	1946, 1947, 1948	108-1111012-2	\$163.64
22	Former, Wing Leading Edge, station 12.88 through 35.50 and 104.31		6	1946, 1947, 1948	108-1111020-6	\$29.09
23	Former, Wing Leading Edge, station 46.00		1	1946, 1947, 1948	108-1111110	\$83.60
24	Former, Wing Leading Edge, station 43.875 through 94.00 and 143.81		4	1946, 1947, 1948	108-1111016	\$55.09
25	Former Assembly, Wing Leading Edge		1	1946, 1947, 1948	108-1111072	\$91.37
26	Former, Wing Leading Edge, station 104.31 through 130.56		4	1946, 1947, 1948	108-1111017	\$31.73
27	Former Assembly, Wing Leading Edge		1	1946, 1947, 1948	108-1111073	\$130.66
28	Former, Wing Leading Edge, station 156.00		2	1946, 1947, 1948	108-1111015	\$33.23
29	Wing Spar Assembly, LH Front		1	1946, 1947	108-1111002-2	\$1,147.47
	Wing Spar Assembly, RH Front		1	1946, 1947	108-1111002-3	\$1,147.47
	Wing Spar Assembly, LH Front		1	1948	108-1112146	\$2,100.56
	Wing Spar Assembly, RH Front		1	1948	108-1112146-1	\$2,100.56
	Wing Spar Assembly, LH Rear	F	1	1946, 1947	108-1111060-2	\$686.72
30	Wing Spar Assembly, LH Rear	G	1	1947	108-1111060-4	\$686.72
	Wing Spar Assembly, RH Rear	G	1	1947	108-1111060-5	\$686.72
	Wing Spar Assembly, LH Rear		1	1948	108-1112147-0	\$2,025.54
	Wing Spar Assembly, RH Rear		1	1948	108-1112147-7	\$834.03
31	Tube, Wing Brace		6	1946, 1947	108-1111109-6	\$46.22
	Tube, Wing Brace		6	1948	108-1111109-8	\$46.22
32	Tube Assembly, Wing, Compression		2	1946, 1947	108-1111025-1	\$229.36
	Tube Assembly, Wing, Compression		2	1948	108-1111025-1	\$229.36
33	Block, Wing Drag Wire Spar, LH, station 87.188		2	1946, 1947, 1948	108-1111049-6	\$33.65
	Block, Wing Drag Wire Spar, RH, station 87.188		2	1946, 1947, 1948	108-1111049-7	\$33.65
34	Support, Landing Light		1	1946, 1947, 1948	108-1111083	\$19.38
35	Wing Brace, stations 0.00 and 46.00 rib		8	1946, 1947, 1948	108-1111106	\$10.82
36	Hanger Assembly, Flap and Aileron Hinge (includes #38)		10	1946, 1947, 1948	108-1111034	\$111.97
37	Drag Wire, Wing, 41½ inches long		10	1946, 1947, 1948	108-1111054-6	\$31.41
38	Bearing (CS2170)		10	1946, 1947, 1948	CS3906	\$29.16
39	Wing Rib, station 155.875		2	1946, 1947, 1948	108-1111124	\$87.53
40	Drag Wire, Wing, 51 inches long		8	1946, 1947, 1948	108-1111054-7	\$68.91
41	Bulkhead, Cabin Ventilator Air Intake, LH Wing		1	1946, 1947, 1948	108-1111104-6	\$20.60
	Bulkhead, Cabin Ventilator Air Intake, RH Wing		1	1946, 1947, 1948	108-1111104-7	\$20.60
42	Drag Wire, Wing, 41½ inches long		2	1946, 1947	108-1111054-10	\$33.65
	Drag Wire, Wing, 41¾ inches long		2	1948	108-1111054-10	\$33.65
43	Wing Rib, Spar Tip		2	1946, 1947, 1948	108-1111122	\$60.99
44	Skin, Inboard Leading Edge, LH		1	1946, 1947, 1948	108-1111041-8	\$395.00
	Skin, Inboard Leading Edge, RH		1	1946, 1947, 1948	108-1111041-9	\$395.00
45	Washer, Felt		22	1946, 1947, 1948	108-8001001	\$1.94

Code A: SN 1 to 2572

Code D: SN 1 to 2509

Code B: SN 2573 to 3500

Code E: SN 2510 and up

Code C: Six each on SN 1 to 3500; eight each on SN 3501 and up

Code F: SN 1 to 3109

Code G: SN 3110 to 3500

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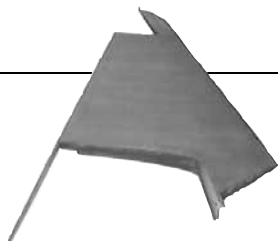
Tail Section

Description	Part #	Price
Horizontal Stabilizer		
Center Hinge Fitting, 1946-1947	108-2111012	\$137.48
Outboard LH Skin, 1948.....	108-2111020-6	\$184.24
Inboard RH Skin, 1948.....	108-2111020-14	\$184.24
Fairing Plate Assembly, LH, 1946-1947	108-3001445-0	\$39.36
Fairing Plate Assembly, RH, 1946-1947	108-3001445-1	\$39.36
Vertical Stabilizer		
Lower Hinge Bracket.....	108-2311013	\$8.90
Fabric Strip	108-2311016	\$17.92
Fabric Trim Strip, SN 2125 to 3500.....	108-2311017	\$19.99
Leading Edge Fabric Band, 1948.....	108-2312018-6	\$13.26
Side Trim Band, LH, 1948 (108-2312019-7).....	108-2312019-6	\$51.63
Outboard Fabric Side Strip, LH, 1948	108-2312020-6	\$10.36
Inboard Fabric Side Strip, LH, 1948 (2312020-8).....	108-2312020-6	\$10.36
Rear Spar, 1948	108-2312050-16	\$165.39
Front Spar, 1948	108-2312050-40	\$278.68
Dorsal Skin, LH, 1948.....	108-2312050-52	\$153.37
Dorsal Skin, RH, 1948	108-2312050-53	\$91.96
Center Hinge Fitting, 1946-1947	108-2611012	\$136.29
Elevator		
Trim Tab Assembly, 1946-1947	108-2201001-0	\$271.55
Horn	108-2201006	\$86.61
Tab Mechanism Cover Assembly	108-2201012	\$18.73
and Rudder Trim Casing Assembly.....	108-2241602	\$138.32
and Rudder Tab Mechanism Housing.....	108-2241603	\$86.08
Tab Control Shaft Assembly	108-2241606	\$80.89
Trim Tab Control Shaft Assembly, Complete.....	108-2241608	\$368.93
Trim Tab Mechanism Rod Assembly	108-2241610	\$162.44
Rudder		
Steering Arm	108-2583	\$123.93
Top Skin, LH, 1948	108-2602100-8	\$182.43
Top Skin, RH, 1948	108-2602100-9	\$182.43
Spar, 1948 (2602100-18).....	108-12905-4	\$114.57
Trim Tab, 1948 (2602100-64).....	108-12905-12	\$266.60
Light Housing, LH, 1948 (2602100-68).....	108-12905-11	\$46.91
Light Housing, RH, 1948 (2602100-69)	108-12905-11	\$46.91
Trim Tab Spring, 1948	108-2602101-6	\$12.46
Top Skin, LH, 1946-1947	108-2611000-8	\$29.36
Top Skin, RH, 1946-1947.....	108-2611000-9	\$29.36
Horn, w/bearing, 1948	108-2611008-2	\$160.50
Tail Light Bracket, 1948.....	108-2661001	\$57.76
Bearing (CS2170)	CS3906	\$29.16

Vertical Stabilizer

• For Stinson 108, 108-1 and 108-2

108-2311000**\$3,176.91**

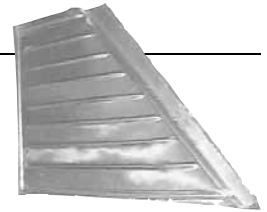


Vertical Stabilizer Skin

• Upper vertical stabilizer skin
stamping for 108-3 (original style)

Left 108-2312050-20**\$636.26**

Right..... 108-2312050-21**\$636.26**



Horizontal Stabilizer Assembly

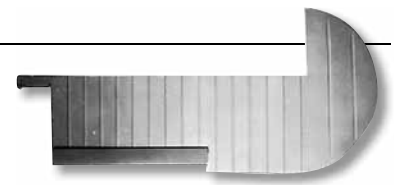
1946, 1947, 1948..... 108-2111020**\$6,491.41**

Elevators

These elevators DO NOT have the original Stinson dimple corrugation; they use the Piper-Stinson designed "V" type corrugation.

Left (with trim tab)..... 108-2201007-0**\$4,094.88**

Right..... 108-2201007-1**\$4,094.88**



Rudder Bungee Kit

Bungee Kit is required when 165hp engine or larger engine is installed in 108 or 108-1 Stinson. Some welding required.

Complete Bungee Kit 108-3042450**\$2,186.88**

Rudders

These rudders and skin kits DO NOT have the original Stinson dimple corrugation; they use the Piper-Stinson designed "V" type corrugation.

Rudders

A) For 108, 108-1, 108-2

108-2611000**\$2,661.02**

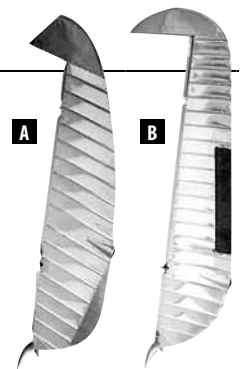
B) For 108-3 (includes tab)

108-2602100**\$3,225.77**

Rudder Skin Kit

For 108, 108-1, 108-2..... 108-2611000-500**\$652.67**

For 108-3..... 108-2602100-500**\$603.37**



Stinson Rudder Arm

Rudder Arm..... 108-2583 ...**\$123.93**



STINSON

Frame

Description	Part #	Price
Frame Match Rib Assembly		
LH.....	108-3001201-0.....	\$399.21
RH.....	108-3001201-1.....	\$399.21
Former and Rib Assembly		
LH.....	108-3001201-400.....	\$139.19
RH.....	108-3001201-401.....	\$139.19
Cabin Door		
Upper Hinge.....	108-3001210.....	\$100.96
Assembly, RH, 1947.....	108-3001211-5.....	\$969.56
Assembly, LH, SN 1990 to 3500.....	108-3002211-0.....	\$969.54
Window Lock Knob, Aft, 1948.....	108-3002279-6.....	\$30.46
Window Lock Knob, Forward, 1948.....	108-3002279-8.....	\$30.46
Window Lock Knob, SN 1 to 1989.....	108-3001214.....	\$3.43
Window Plate, 1948.....	108-3002280-6.....	\$6.60
Window Striker, SN 1990 to 3500.....	108-3002257.....	\$6.46
Windshield		
Center Post Assembly.....	108-3001218.....	\$159.97
Center Post Retainer.....	108-3001220.....	\$19.04
Upper Retainer.....	108-3001221.....	\$19.04
Side Retainer, LH.....	108-3001222-6.....	\$34.62
Side Retainer, RH.....	108-3001222-7.....	\$34.62
Cabin Window		
Retainer, LH, 1946-1947.....	108-3001223-6.....	\$40.23
Retainer, RH, 1946-1947.....	108-3001223-7.....	\$50.78
Vertical Retainer, LH, 1946-1947.....	108-3001224-6.....	\$8.65
Vertical Retainer, RH, 1946-1947.....	108-3001224-7.....	\$8.65
Latch, SN 1990 to 3500.....	108-3002253.....	\$14.84
Latch Spring, 1948.....	108-3002278-6.....	\$9.99
Spring, SN 1990 to 3500.....	108-3002254.....	\$17.71
Rear Cabin Window, SN 3500 and up.....	108-3002212.....	\$37.13
Fuselage Cooling Tunnel Side Support		
LH.....	108-3001306-0.....	\$80.80
RH.....	108-3001306-1.....	\$80.80
Fuselage Bow Assembly		
Station 202.10.....	108-3001422.....	\$46.94
Station 177.00.....	108-3001423.....	\$59.16
Station 152.00.....	108-3001424.....	\$148.18
Station 126.00.....	108-3001425.....	\$125.39
Station 100.00.....	108-3001426.....	\$142.85
Station 61.60.....	108-3001427.....	\$97.06
Station 164.00.....	108-3001428.....	\$74.43
Station 140.00.....	108-3001429-0.....	\$74.61
Station 115.50.....	108-3001430.....	\$154.08
Station 90.50.....	108-3001431.....	\$148.38
Station 18.75.....	108-3001433.....	\$79.27
Station 74.25.....	108-3001436.....	\$105.94
Station 40.50.....	108-3001438.....	\$51.60
Station 31.75.....	108-3001442.....	\$125.31
Stringer Blank (available in 8-foot lengths only).....	108-3001432.....	\$40.35
Landing Gear Opening Retainer		
LH.....	108-3001434-6.....	\$66.01
RH.....	108-3001434-7.....	\$66.01

Description	Part #	Price
Frame Lower Longeron Retainer		
LH.....	108-3001435-6.....	\$92.45
RH.....	108-3001435-7.....	\$92.45
Frame Former Assembly, Station 30.50.....	108-3001437-0.....	\$91.68
Baggage Door		
Spring Spacer, 1947-1948.....	108-3002270.....	\$3.41
Fabric Retainer, 1947-1948.....	108-3002273.....	\$68.53
Hinge, 1947-1948.....	108-3002264.....	\$27.09
Hold-Back Spring, 1947-1948.....	108-3002268.....	\$33.78
Baggage Compartment		
Upper Angle Support, 1947-1948.....	108-3002274.....	\$23.29
Lower Angle Support, 1947-1948.....	108-3002275.....	\$30.44
Baggage Strap		
Buckle End, 1948.....	108-3002281-6.....	\$12.67
Strap Tip End, 1948.....	108-3002281-8.....	\$12.67
Fin Stencil,		
LH.....	108-3091039-6.....	\$33.45
RH.....	108-3091039-7.....	\$33.46
Landing Gear Fitting		
Front, LH.....	108-3311007-0.....	\$365.15
Front, RH.....	108-3311007-1.....	\$365.15
Rear, LH.....	108-3311016-0.....	\$405.94
Rear, RH.....	108-3311016-1.....	\$405.94
Frame Rear Compression Tube		
1946-1947.....	108-3311003.....	\$82.62
1948.....	108-3312003.....	\$160.74
Landing Gear Fairing		
LH.....	108-5101100-10.....	\$286.49
RH.....	108-5101100-15.....	\$286.49
Cabin Steps		
Step Assembly, LH.....	108-3411047-0.....	\$248.06
Step Assembly, RH.....	108-3411047-1.....	\$248.06
Cabin Floor Support Angle.....	108-8191000.....	\$34.35
Frame Structure Assembly, 1946-1947.....	108-3411000-3.....	\$19,925.35
Frame Shroud Panel.....	108-3001302.....	\$215.76
Frame Tunnel Cover Assembly.....	108-3001304.....	\$161.17
Firewall Panel Assembly, stations 18.75 to 31.75....	108-3001310-2.....	\$158.10

Inspection Rings and Plates

Inspection Ring.....	483-15.....	\$0.72
Inspection Plate.....	483-10.....	\$2.25



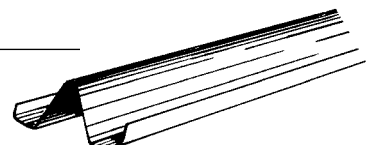
Frame to Landing Gear Fillets

Left.....	108-3001003-12.....	\$411.72
Right.....	108-3001003-13.....	\$411.72

Stringer Blank

• Available in 8 foot lengths only

108-3001432.....	\$40.35
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STINSON

Stinson Rear "D" Window Frame

• For Stinson 108-3

LH (shown) 108-3002240-2 **\$507.94**
RH 108-3002240-3 **\$507.94**



Cockpit and Interior

Description	Part #	Price
Primer and Throttle Support Assembly		
1946	108-3021100	\$32.18
1947-1948	108-3022100	\$31.20
Instrument Panel Cover		
1947	108-3031009-1	\$181.78
1948 (108-3031009-2)	108-3031009-1	\$181.78
Control Column		
Boot Clamp, 1946	108-3091078	\$61.00
Boot Assembly, 1946	108-3091079	\$40.65
Cabin Vent Inner Tube,		
Valve Seat, 1946	108-3091059	\$90.17
Inner Tube, 1946	108-3091056	\$87.50
Inner Tube, 1947	108-3091097-6	\$56.21
Rear Inner Tube, 1948	108-3091097-8	\$96.20
Cabin Ventilator		
Seat, 1947	108-3091096-0	\$96.01
Rear Seat, 1948	108-3091096-1	\$44.37
Ventilator Cap		
1946 (3091058)	108-3091095	\$80.58
1947	108-3091095	\$80.58
Floorboards		
Forward Floorboard,		
LH, 1947 (108-3092052-0)	108-3092052-28	\$223.55
RH, 1947 (108-3092052-1)	108-3092052-29	\$223.55
Intermediate Cabin Floorboard, RH, 1948	108-3092052-30	\$37.57
Rear Floorboard, Forward Section, 1948	108-8992007-30	\$101.81
Aft Cabin Floorboard, 1946	108-3091052-2	\$99.98
Door Frame		
Scuff Plate, LH	108-3092112-6	\$178.86
Scuff Plate, RH	108-3092112-7	\$178.86
Trim, LH, 1947-1948	108-3092113-6	\$99.25
Trim, RH, 1947-1948	108-3092113-7	\$99.25
Forward Panel Retainer Assembly		
LH, 1947	108-3092119-0	\$32.91
RH, 1947	108-3092119-1	\$32.91
LH, 1948	108-3092119-2	\$33.15
RH, 1948	108-3092119-3	\$34.81
Rear Cabin Air Vent Scoop		
LH, 1948	108-3092145-6	\$86.47
RH, 1948	108-3092145-7	\$86.47
Front Seat Rear Support Assembly,		
1946-1947 (3091007)	108-3092007	\$239.33
Throttle Control		
Forward Bracket	108-6221503	\$61.01
Aft Bracket, 1946	108-6221504	\$37.72
Aft Bracket, 1948	108-6222504	\$56.87

Mixture Control

Bracket, SN 1 to 2249 108-6221506 **\$58.34**
Bracket, SN 2250 and up..... 108-6222506 **\$80.76**

Cabin Heat Control Support Bracket Assembly,

SN 1 to 478 108-6221507 **\$58.95**

Placards

Tab Control Placard, 1946-47 (8741000) 108-8742000 **\$28.00**
Operation Limits Placard, 1946..... 108-8741001-6 **\$19.11**
Baggage Placard, 1946..... 108-8741001-8 **\$15.51**
Operation Limits Placard, 1948..... 108-8742001-20 **\$19.52**
Baggage Placard, 1947 (8742001-18) 108-8742001-26 **\$20.52**
Baggage Placard, 1948 108-8742001-26 **\$20.52**
Rudder and Elevator Trim Placard, 1948 108-3 108-8742200 **\$41.10**

Rear Seat Bracket Cover, 1947 108-8992025-6 **\$73.49**

Glove Box Knob, 1947-1948 (108-3031019) 471-060 **\$3.27**

Control Panel Connector Plate, 1947-1948..... 108-3032022-10 **\$12.26**

Oleo Housing Cap..... 108-3091005 **\$26.82**

Door Handle Escutcheon, 1946 (108-3091006)..... 108-8041000-1 **\$22.07**

Trim Extrusion, 1947-1948..... 108-3031009-16 **\$60.79**

Frame Oleo Housing..... 108-3091011 **\$343.72**

Control Column Cover, 1947-1948..... 108-3092118 **\$85.03**

Cabin Assist Handle, 1947-1948..... 108-3412029 **\$39.57**

Plate, 1947-1948 108-3092115 **\$7.11**

Cabin Rear Vent Cap, 1948 108-3092141-6 **\$108.60**



Rear Seat Floor Grille

• For 1947 and 1948 Stinsons

Grille 108-6222240 **\$159.17**

Throttles and Controls



Friction Throttle, 1946-1948 108-6222501-0 **\$127.50**

Carburetor Heat Control, 44" long,

locking, black knob (5101306, A700-BL-0440)..... A700-10-0440 **\$69.09**

Stinson Control, 44" long..... 108-6221502 **\$95.23**

Carburetor Mixture Control, 42" long 108-6221502-1 **\$128.67**

Cabin Heat Control, 1946, 62" long 108-6221502-2 **\$88.52**

Cabin Heat Control, 1947-1948, 58" long 108-6221502-3 **\$68.49**

Brake Control, 28" 108-6221502-4 **\$104.27**

Oleo Strut Housing Cover

• For all 108 Stinsons

108-3091011 **\$343.72**



Scuff Plates

• For lower door frame

• Stainless steel



Left 108-3092112-6 **\$178.86**

Right..... 108-3092112-7 **\$178.86**

STINSON

Full Blind Flight Instrument Panel Kit

This shock-mounted floating panel is simple to install. The kit consists of the following parts: one instrument mounting panel, one false panel, two supports, and two brackets. For a regular 4 7/8 inch artificial horizon and directional gyro.

Full Blind Flight Instrument Panel Kit108-8932007K **\$1,138.08**

Same as above, except for smaller hole (3 1/8 inches) for the newer artificial horizon and directional gyro 108-8932007-1K **\$1,138.08**

Picture at right shows the the following instruments installed, without the false panel:

Top Row (left to right): VOR indicator, artificial horizon, directional gyro, ADF compass.

Middle Row (left to right, all 3 1/8 inch instruments): air speed indicator, turn and bank, sensitive altimeter, rate of climb, tachometer.

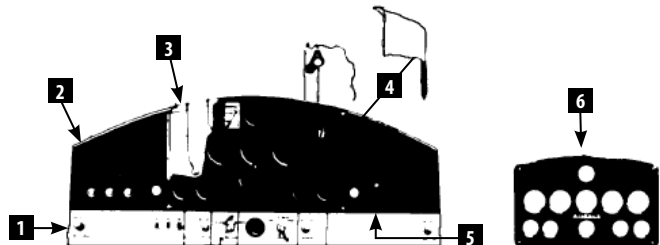
Bottom Row (left to right, all 2 1/4 inch instruments): oil pressure gauge, oil temperature gauge, suction gauge, clock, cylinder head temperature gauge, fuel quantity gauge, ammeter.



Stinson Instrument Panels

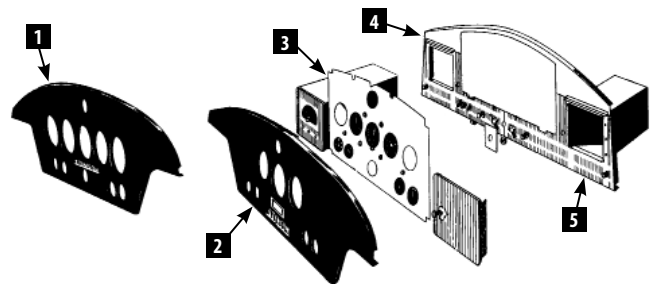
A 1946 Standard and Basic Blind Flight Instrument Panel

- | | | |
|--|-------------------|-----------------|
| 1) Panel Assembly, Control..... | 108-3031004 | \$57.94 |
| 2) Panel Assembly, Main | 108-3031003 | \$318.88 |
| 3) Panel Assembly, Flight..... | 108-3031021 | \$182.08 |
| 4) Panel Assembly, Indirect Instrument | 108-3031002 | \$42.24 |
| 5) Door Assembly, Glove Box..... | 108-3031018 | \$70.16 |
| 6) Panel Assembly, Indirect, Basic Blind Flight..... | 108-8931005 | \$233.14 |



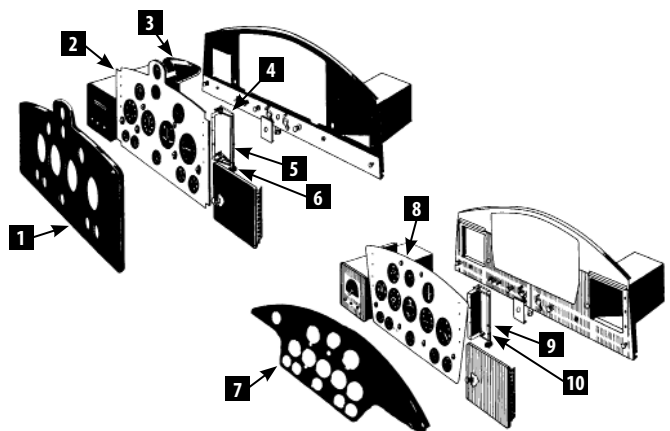
B 1947/1948 Standard and Basic Blind Flight Instrument Panel

- | | |
|--|--------------------------------------|
| 1) Panel Assembly, Indirect, Basic Blind Flight | |
| 108-2 | 108-8932005-0* \$122.21 |
| 108-3 | 108-8932005-1 \$112.19 |
| 2) Panel Assembly, Indirect Instrument | |
| 108-2..... | 108-3032002-0* \$124.23 |
| 108-3..... | 108-3032002-1* \$124.23 |
| 3) Panel Assembly, Flight, 108-2/108-3..... | 108-3032021-8 \$265.54 |
| 4) Panel Assembly, Main | 108-3032003 \$230.12 |
| 5) Panel Assembly, Right Half, 108-2/108-3 | 108-3032022-8 \$249.65 |



C 1946/1947/1948 Advanced Blind Flight Instrument Panel

- | | |
|--|-------------------------------------|
| 1) Indirect Panel Assembly, 1946..... | 108-8931003-4* \$175.04 |
| 2) Direction Panel Assembly, 1946..... | 108-8931003-2 \$80.80 |
| 3) Direction Indicator Cover, 1946 | 108-8931006 \$74.83 |
| 4) Bracket Assembly, 1946 (8931003-14) | 108-8932019-0 \$63.41 |
| 5) Support Assembly, 1946 | 108-8931003-10 \$58.74 |
| 6) Shock Mounts, 1946 | 100PL-4 \$14.50 |
| 7) Indirect Panel Assembly, 1947-48..... | NLA |
| 8) Direct Panel Assembly, 1947-48 | 108-8932021-1 \$214.03 |
| 9) Instrument Panel Bracket Assembly, 1947-48 | 108-8932019-0 \$63.41 |
| 10) Instrument Panel Bracket Assembly, 1947-48 | 108-8932020 \$172.80 |



*These parts are original Stinson inventory, and sold in an "AS IS" condition
NLA = No longer available

STINSON

Windows and Windshields

Windows and windshields for all 108 series Stinsons. For tinted windshields, see the **Windows and Windshields** section beginning on page 377.

Description	Part #	Price
Windshield		
LH	108-3002208-6	\$199.73
RH	108-3002208-7	\$199.73
Left Door Window		
Forward Window (SN 1 to 1989).....	108-3001211-54	\$166.72
Forward Window (SN 1990 to 3500).....	108-3002211-26	\$160.41
Forward Window (SN 3500 and up).....	108-3002211-90	\$279.42
Aft Window (SN 1 to 1989).....	108-3001211-56	\$111.09
Aft Window (SN 1990 and up).....	108-3002211-28	\$99.94
Right Door Window		
Forward Window (SN 1 to 1989).....	108-3001211-55	\$166.20
Forward Window (SN 1990 to 3500).....	108-3002211-27	\$160.41
Forward Window (SN 3500 and up).....	108-3002211-91	\$209.35
Aft Window (SN 1 to 1989).....	108-3001211-57	\$114.48
Aft Window (SN 1990 and up).....	108-3002211-29	\$111.30
Rear Window		
Left or Right (SN 1 to 3500).....	108-3001212	\$37.13
Left or Right (SN 3500 and up).....	108-3002212	\$37.13

Control System

Control Wheel Casting, 1946.....	108-3041121	\$9.08
Control Wheel Shaft Assembly, 1947-1948.....	108-3042153	\$56.19
Control Shaft, SN 2250 and up.....	108-3042458-6	\$38.87
Control Shaft Support Bushing 1946-1947.....	108-8611000	\$18.64
Control Column Shaft Pulley		
LH	108-3041204-0	\$102.62
RH	108-3041204-2	\$102.62
Dual Brake Link Assembly, 1948 (3942410).....	108-3942410-2	\$73.77
Fairlead Pulley	108-3041209	\$16.36
Flap Handle Lever Adjustment Rack Assembly.....	108-3041501	\$38.55
Flap Control Handle		
Latch.....	108-3041502	\$8.99
Release Assembly.....	108-3041503	\$31.52
Tube Assembly.....	108-3041506	\$278.20
Tab Control Escutcheon, 1947.....	108-8041000-1	\$22.07
Tab Control Placard, 1946 (8741000).....	108-8742000	\$28.00
w/Bungee (108-2, SN 2250 to 3500).....	108-8742200	\$41.10
Bushing.....	108-3942413-6	\$26.54
Trim Control Shaft Sleeve, SN 2250 and up.....	108-3042457-6	\$104.62
Trim Control Pulley		
SN 2250 and up.....	108-3042424-6	\$107.55
SN 2250 and up.....	108-3042424-8	\$77.73

Stinson Control Surface Bearing

Control Surface Bearing	CS3906	\$29.16
Felt Seal	108-8001001	\$1.94



Elevator Control

Elevator Bellcrank	108-3041303	\$110.29
Elevator Push-Pull Tube Assembly.....	108-3041304	\$348.93
Elevator Control Stop.....	108-3041306	\$156.30
Elevator Tab Front Control Pulley, 1946-1947.....	108-3041601	\$32.18
Elevator Tab Control Crank Arm Assembly		
SN 1 to 2249.....	108-3042610	\$34.99
SN 2250 and up.....	108-3042618-2	\$369.52
Elevator Control Arm Stop	108-3041602-8	\$13.02
Elevator Control Shaft, SN 1 to 2249	108-3041604	\$30.42
Elevator and Rudder Cable Control Pulley Shaft.....	108-3041606	\$57.54
Elevator Tab and Rudder Trim Control		
Support Assembly, SN 2250 and up.....	108-3042459-0	\$195.08
Pulley Assembly, SN 2250 and up.....	108-3042460-2	\$740.05
Elevator Tab Control		
Front Support Assembly, SN 1 to 2249	108-3041608	\$31.81
Front Pulley Assembly, SN 1 to 2249	108-3041609	\$101.81
Elevator Tab Control Rear Bushing.....	108-3041617	\$19.56

Rudder Control

Rudder Pedal, Copilot, 1947.....	108-3042405	\$28.76
Rudder Pedal, Pilot, 1947 (3042407)	108-8542013-6	\$126.13
Rudder Pedal, Copilot, 1948.....	108-8542013-6	\$126.13
Rudder Control Drive Shaft, 1948.....	108-3042428	\$56.72
Rudder Tab Mechanism Rod Assembly, 1948	108-3042429	\$118.76
Copilot Rudder Pedal Return Spring, 1948	108-3042431-6	\$5.16
Rudder Pedal, Copilot, 1946.....	108-3041405	\$19.99
Rudder Bar Assembly, LH, 1946	108-3041406	\$161.17
Rudder Bar Assembly, RH, 1946.....	108-3041408	\$161.17
Rudder Pedal Torque Tube Bearing Assembly.....	108-3041411	\$170.14
Rudder Tab Control Pulley, 1948.....	108-3041612	\$32.18
Rudder Bar Return Spring	108-3041002	\$21.43
Rudder and Elevator Tab Control Spindle,		
SN 2250 and up.....	108-3042452-6	\$109.63
Rudder Trim Cable Clamp Fitting, SN 2250 and up... ..	108-3042619-6	\$11.10
Rudder Trim Control Shaft Assembly, 1948	108-3042430	\$429.37
Rudder Trim Cable Clamp, SN 2250 and up	108-3042451-6	\$25.84
Rudder Trim Frame Assembly, SN 2250 and up.....	108-3042453	\$219.98
Rudder Trim Control Knob, SN 2250 and up	108-3042456-8	\$49.96
Rudder Trim Control Arm Assembly		
LH, 1947	108-3042461-0	\$185.57
RH, 1947	108-3042461-1	\$185.57

Dual Brake Kit

Available for 108 series Stinsons. Provides brake actuation from both front seats (required item for student instruction). Simple installation; no welding. Complete kit with drawing.

Dual Brake Kit	108-3942001	\$2,886.10
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Tachometer Shaft

• For recording tachometers

(1536403).....	TACH-36	\$89.96
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STINSON

Stinson Control Cables

System	Description	Quantity Required	Part # Galvanized	Price	Part # Stainless Steel	Price
Aileron	Aileron Idler Cable	2	108-1141206	\$100.32	108-1141206S	\$143.15
	Aileron Control Cable	2	108-1141208	\$86.55	108-1141208S	\$119.27
	Aileron Idle Cable (in frame)	1	108-3041118	\$58.28	108-3041118S	\$77.71
	Control Column Cable, Left Half	1	108-3041123-6	\$122.55	108-3041123-6S	\$138.11
	Control Column Cable, Right Half	1	108-3041123-7	\$122.55	108-3041123-7S	\$133.41
Elevator	"Up" Elevator Cable	1	108-3041305-10	\$297.50	108-3041305-10S	\$116.01
	"Down" Elevator Cable	1	108-3041305-11	\$90.19	108-3041305-11S	\$116.01
Elevator Trim	Elevator Tab — Cabin to Control Cable, SN 1 to 2249	1	108-3041615-0	\$74.99	108-3041615-0S	\$104.03
	Elevator Tab — Cabin to Control Cable, SN 2250 and up	1	108-3041615-1	\$88.52	108-3041615-1S	\$106.11
Flap	Flap Control Cable	2	108-1141506	\$82.58	108-1141506S	\$100.79
	Upper Flap Control Cable (in frame)	1	108-3041511	\$84.37	108-3041511S	\$112.40
Rudder	Rudder Cable, 1946-1947	2	108-3041003-0	\$104.96	108-3041003-0S	\$137.62
	Rudder Cable, 1948	2	108-3041003-2	\$133.30	108-3041003-2S	\$131.48
Rudder Trim	Rudder Trim Cable SN 2250 to 3499, used with rudder bungee system	2	108-3042620	\$70.04	—	—
	Rudder Trim Cable SN 2250 to 3499, used with rudder bungee system	1	108-3042622	\$84.56	—	—
	Rudder Trim Cable 108-3, SN 3500 and up	1	108-3042426	\$101.89	—	—

Electrical

Description	Part #	Price
Radio Support Assembly, 1946	108-3031501	\$8.16
Speaker Baffle Board, 1947-48	108-3031503	\$52.87
Loudspeaker Grille, 1946.....	108-3031504	\$9.16
Radio Support Assembly, 1947-48	108-3032501	\$97.47
Antenna Assembly, 1947	108-3032507	\$24.44
Battery Box Top, 1946-1947	108-3061001	\$198.82
Battery Box Assembly, 1946-47	108-3061002	\$388.59
Battery Box Tie Down Rod, 1946-47	108-3061004	\$26.55
Battery Ground Cable Assembly, SN 1 to 3500	108-3061008-10	\$9.32
SN 3500 and up	108-3062012	\$48.77
Battery Cable Assembly, SN 1 to 3500 (3061008-14)	108-3062014	\$29.75

Bendix Ignition Switch



- With "Start" position
- For all light planes

Switch	10-357200-1	\$495.98
Placard for switch	10-126676	\$5.10

Single Pole Solenoid Battery Relay

- For all 108 series Stinsons as master solenoid
- Normally open
- Supersedes part number 70-918

Battery Relay	70-111226-5	\$26.11
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Fuel System

Description	Part #	Price
Fuel Tank Cap, 1946-47	108-1121111	\$119.16
Gas Cap Gasket.....	108-1121112	\$1.74
Fuel Tank Strainer, 150hp, 1946-47	108-1121118	\$37.91
Fuel Strap Assembly.....	108-1121119	\$121.74
Fuel Tank Strainer Assembly, 165hp.....	108-1122118	\$93.16
Fuel Tank Cap, 108-3	108-1122131	\$86.77
Fuel Valve Shaft, 1946.....	108-3021103-0	\$30.67
Fuel Valve Shaft, SN 743 to 1440.....	108-3021103-1	\$32.18
LH Tank to Valve Line, 3/8 inch, SN 1 to 2249	108-6221100-8	\$76.47
RH Tank to Valve Line, 3/8 inch, SN 1 to 2249	108-6221100-10	\$76.47
Primer to Tee Tube Assembly, 1946	108-6221100-14	\$48.39
Valve to Strainer Tube Assembly, 3/8 inch, SN 1 to 2249.....	108-6221100-52	\$63.00
Fuel Hose Assembly, SN 1 to 2249.....	108-6221101	\$200.20
Tank to Valve Tube Assembly, LH, SN 2250 and up	108-6222100-8	\$302.89
RH, SN 2250 and up.....	108-6222100-10	\$176.38
Tee to Spray Fitting Tube Assembly, 1946-47	108-6221100-16	\$57.82
SN 2250 and up	108-6222100-28	\$27.12
Strainer to Valve Tube Assembly, SN 2250 and up	108-6222100-52	\$170.50
Strainer to Carburetor Hose Assembly, SN 2250 and up	U-108-6222101-1A	\$209.70
Fuel Valve Shaft Assembly, SN 2250 and up.....	108-6222106	\$111.38

STINSON

Fuel Gauge and Sender

- Direct replacement for original AC gauge and sender

Gauge3090-033**\$178.69**
Sender7740-313**\$302.93**



Stinson Fuel Valve Kits

- Replaces original style valves
- Applications: left, right (not both), or off
- Not approved for higher horsepower engines

For 150hp aircraft with 3/8" fuel lines,
replaces 44725 108-9010076-38**\$415.26**
For 165hp aircraft with 1/2" fuel lines,
replaces 44745 108-9010076-12**\$415.26**



Chassis and Landing Gear

Description	Part #	Price
Landing Gear Brake Shield, SN 1 to 111, except 82	108-5101007	\$7.11
Landing Gear Brake Shield, SN 82 and 112 and up	108-5101008	\$11.32
Parking Brake Bridle, SN 1 to 3939	108-5101310-6	\$99.94
Parking Brake Bridle, SN 3940 and up	108-5101310-8	\$34.72
Shock Strut Spring	108-5181001	\$131.09
Shock Strut Plunger Assembly (5181006)	108-5182006	\$741.15
Shock Strut Packing Retainer	108-5181007	\$165.60
Shock Strut Pin	108-5181008	\$13.40
Shock Strut O-Ring, 1 per strut	MS28775-325	\$0.76
Shock Strut O-Ring, 1 per strut	MS28775-331	\$0.81

Cleveland Conversion Kit

Replace your original Goodyear wheels and brakes. This kit is approved by T.C. and is easy to install, requiring no modification to existing beam and axle assembly.

- Tire Size: 7.00-6
- Will fit late model 108-3 with early axle nut and different plumbing

Cleveland Wheels and Brakes Kit199-08700**\$2,122.31**



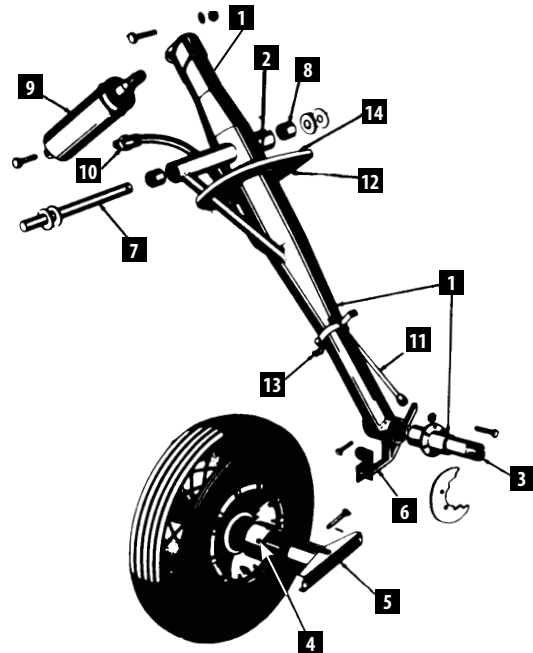
Landing Gear Fairing

Left Fairing
108-5101100-10 **\$286.49**

Right Fairing
108-5101100-15 **\$286.49**



Landing Gear Assembly



- Beam Assembly, Landing Gear
LH (includes axle), SN 1 to 4124 108-5111000-0**\$2,116.09**
RH (includes axle), SN 1 to 4124 108-5111000-1**\$2,116.09**
- Clamp Assembly, Landing Gear Strut, Upper 108-5101103**\$43.85**
- Axle Assembly, SN 1 to 4124 108-5611001**\$694.03**
- Axle Nut, Goodyear 108-5111006**\$55.35**
Axle Nut, Cleveland (5111006-6) 108-5112006-6**\$39.06**
- Bracket, Wheel Pant, Outer 108-5101104**\$128.25**
- Bracket Assembly, Wheel Pant, Inner
LH 108-5101105-0**\$150.47**
RH 108-5101105-1**\$147.27**
- Pin, Landing Gear Hinge 108-5111005**\$199.90**
- Bushing, Landing Gear Hinge Pin 108-5111003**\$43.57**
- Strut Assembly, Landing Gear Shock 108-5181000**\$1,401.71**
- Hose Assembly, Flexible Brake,
Goodyear (5101304) 108-5101304-1**\$191.37**
- Brake Line, Goodyear 108-5101000-18**\$100.26**
Brake Line, Cleveland 108-5102017**\$63.78**
- Bulkhead, Inboard Landing Gear Strut Fairing
LH 108-5101102-8**\$38.89**
RH 108-5101102-9**\$38.89**
- Clamp, Landing Gear Strut Fairing, Lower 108-5101107**\$89.24**
- Bulkhead, Outboard Landing Gear Strut Fairing
LH 108-5101102-6**\$61.55**
RH 108-5101102-7**\$61.55**

Toll Free Sales 1-888-433-5433
Order online at www.univair.com

STINSON

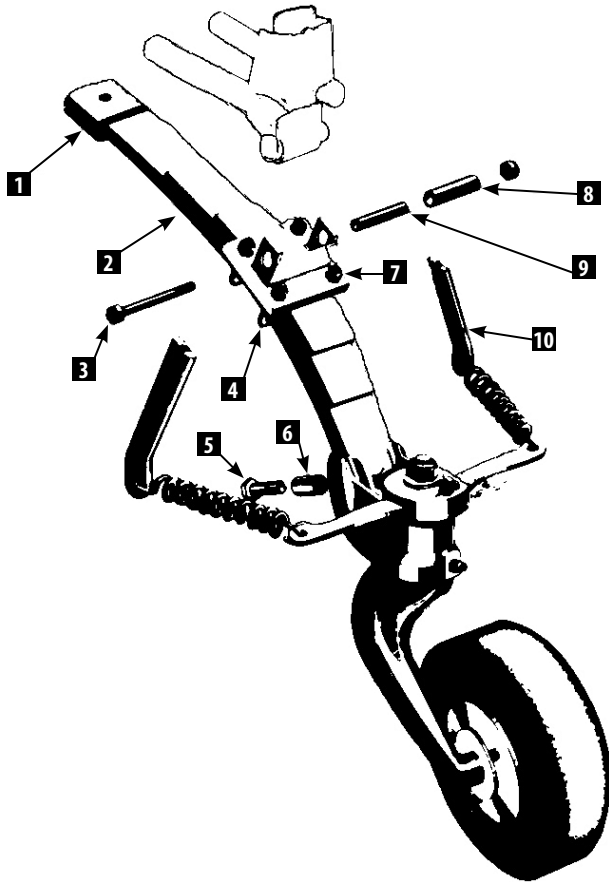
Bushwheel 3200 Tailwheel

The 3200 Series is a lightweight 8-inch tailwheel assembly designed to provide positive steering control far beyond rudder travel, and to release easily and automatically to full swivel when aircraft is turned around. The swivel mechanism is sealed to keep out water, sand and mud. Grease fittings are provided for lubrication. Precision components provide years of trouble-free service under severe operating conditions. Pneumatic assembly.



Pneumatic Assembly 3200 Tailwheel..... ABI-3200**\$1,076.25**

Tailwheel and Spring Assembly



1) Tailwheel Spring Cushion.....	108-5311000-6	\$11.72
2) Tailwheel Spring Assembly	108-5311002-2	\$198.80
3) Bolt.....	AN5-25	\$1.65
4) Tailwheel Spring "U" Bolt	108-5311005	\$41.67
5) Bolt.....	AN8-14	\$4.00
6) Bushing	108-5311004	\$15.31
7) Tailwheel Spring Fitting Assembly.....	108-5311003-2	\$144.61
8) Bushing, SN 1 to 2838.....	108-5311000-12	\$33.35
9) Bushing	108-5311000-10	\$37.18
10) Steering Fork.....	108-2583	\$123.93



For Specialty Tires, see the
Tires, Wheels and Brakes
section beginning on page 342



Engine and Cowling

All parts listed are for the 1946, 1947 and 1948 models of the 108 series Stinson, unless otherwise specified. Please include your aircraft model and serial number when ordering any parts or supplies.

Description	Part #	Price
Cowling Latch Lever Assembly	108-6021401-22	\$82.33
Top Cowl Assembly	108-6021401-26	\$1,719.56
Nose Cowl Stiffener.....	108-6021401-44	\$31.80
Nose Cowl, less grilles	108-6021401-52	\$1,042.56
Bottom Cowl, all models.....	108-6021401-70	\$2,800.00
Air Intake Scoop Moulding.....	108-6021407	\$134.15
Air Intake Scoop Vane, SN 1 to 470.....	108-6021410	\$26.29
Air Intake Scoop Vane, SN 471 and up.....	108-6021411	\$38.33
Cowl Support Tube Clip, 1947-48	108-6022423	\$32.37
Cowl Support Tube	108-6022424	\$42.50
Generator Blast Tube.....	108-6201000-28	\$24.57
Oil Drain Tube, 1947-48	108-6201011-6	\$69.51
Oil Drain Valve Block, 1947-48	108-6201013	\$70.63
Magneto Cooling Tube, RH.....	108-6221213-17	\$31.22
Front Baffle Assembly, RH, SN 1 to 3109	108-6221216	\$78.23
Front Center Baffle Assembly, 1946-47	108-6221217	\$22.39
Tailpipe Support Angle, LH, SN 112 and up.....	108-6221709-6	\$11.06
Tailpipe Support Strap, SN 112 and up.....	108-6221710	\$70.04
Carburetor Air Intake Duct Assembly, SN 1 to 470.....	108-6221802	\$38.14
Oil Cooler Air Duct Assembly, 1946	108-6221803	\$37.57
Carburetor Air Intake Scoop	108-6221804	\$212.54
Air Filter Duct Assembly, 1946	108-6221806	\$195.22
Carburetor Air Box Assembly, SN 1 to 2249	108-6221807	\$465.76
Flex Hose Attaching Collar, 1946.....	108-6221812-6	\$13.26
Air Filter Support Assembly	108-6221813	\$32.45
Cabin Heat Deflector Spring, 1946	108-6221814	\$14.46
Air Induction Cuff Clamp Assembly, SN 1 to 2249	108-6221815	\$18.17
Cabin Heat Deflector, 1946.....	108-6221816	\$9.16
Carburetor Air Box Gasket, SN 1 to 2249	108-6221817	\$11.43
Carburetor Air Intake Duct Assembly, SN 471 and up	108-6221818	\$37.57
Front Cooling Baffle, SN 3110 and up.....	108-622219-0	\$327.19
Grille Retaining Plate, 1947-48.....	108-6222236	\$9.16
Grille Spacer Plate, 1947-48.....	108-6222237	\$10.97
Cabin Heat Aft Duct Assembly, 1947-48.....	108-6222241	\$91.50
Grille Attach Plate, 1947-48.....	108-6222244	\$9.58
Cabin Heat Forward Coupling Assembly, 1947	108-6222247	\$34.29
Cabin Heat Forward Duct Assembly, SN 3868 and up	108-6222249	\$17.60
Cabin Heat Forward Inlet Cover, SN 3868 and up ...	108-6222250-0	\$22.84
Cabin Heat Scoop, 1947-48.....	108-6222251	\$73.77
Cabin Air Intake Coupling Assembly 1947-48	108-6222252	\$35.48
Cabin Heat Valve Support Bracket 1947-48.....	108-6222254	\$3.68
Oil Pressure Hose, SN 1472 and up.....	108-6222601	\$87.55
Tailpipe Exhaust Clamp, SN 3110 and up	108-6222715	\$60.90
Oil Cooler Air Duct Assembly.....	108-6222803	\$154.94
Air Filter Duct Assembly, 1947-48.....	108-6222806	\$262.03
Carburetor Air Box Assembly, SN 2250 and up	108-6222807	\$1,237.38
Air Induction Cuff Clamp, SN 2250 and up	108-6222815	\$25.31

STINSON

Description	Part #	Price
Carburetor Air Box Gasket, SN 2250 and up	108-6222817	\$7.95
Wood Propeller Spinner Dome	108-6921000-6	\$440.24
Spinner Front Plate	108-6921000-20	\$181.73
Spinner Rear Plate	108-6921000-22	\$125.03
Metal Propeller Spinner Dome	108-6921000-30	\$435.11
Propeller Spacer Bushing	108-6922006-8	\$11.13
Propeller Spacer Plate	108-6922006-10	\$68.07
Baffle, Under Cylinder, for Aeromatic Propeller		
LH	108-6922010-6	\$89.50
RH	108-6922010-7	\$89.50
Franklin Oil Cooler Thermostat	19481	\$195.39
Carburetor Air Boxes		
150hp Franklin, SN 1 to 2249	108-6221807	\$465.76
165hp Franklin, SN 2250 and up	108-6222807	\$1,237.38
150hp Franklin Baffle Set	150BS	\$736.09
108-1 150hp Franklin Baffle Set	150BS-1	\$627.83
165hp Franklin Baffle Set	165BS	\$698.12

Shroud Attach Channel

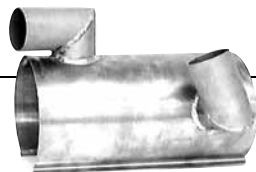


Shroud Attach Channel (2 per shroud) 108-6221704 **\$54.59**

Carburetor Heat Shroud

• For 108 through 108-3 series Stinsons

108-6221210-2 **\$368.51**



Cabin Heat Shroud

• For 108-1, 108-2 and 108-3 Stinsons

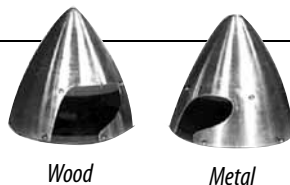
• Fits serial numbers 744 and up

108-6222209 **\$273.43**



Spinner Assemblies

• Complete spinner assemblies for
Stinsons with wood or metal propellers

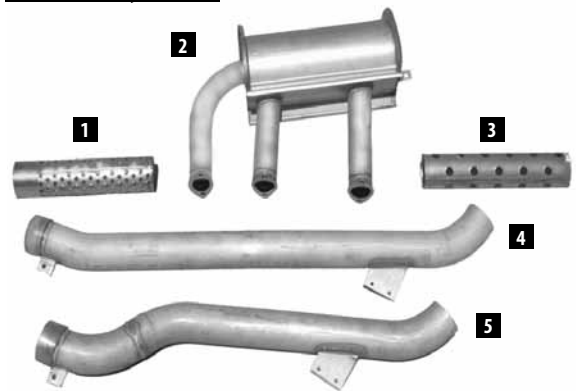


Wood Propeller Spinner Assembly	108-6921000-1	\$684.28
Metal Propeller Spinner Assembly	108-6921000-2	\$731.33
Wood Propeller Moisture Plate	U17577	\$74.65
Propeller Bolts	U17662	\$19.77
Wood and Metal Propeller Front Plate	108-6921000-20	\$181.73
Wood and Metal Propeller Rear Plate	108-6921000-22	\$125.03

Note About Wooden Propeller Installation

Due to the different hub contour of the various propellers approved on the 108 series aircraft, the FAA approved blueprint calls out "trim front bulkhead to clear propeller." This may be done with standard sheet metal shears and then the edge sanded smooth to prevent cracks in the bulkhead.

Exhaust Systems



- 1) Perforated Tube, SN 3110 and up..... 108-6222708..... **\$229.75**
- 2) Muffler
 SN 1 to 3109 108-6221702..... | **\$876.74** || SN 3110 and up | 108-6222702..... | **\$876.74** |
- 3) Perforated Tube, SN 1 to 3109..... 108-6221708..... **\$229.75**
- 4) Tailpipe, LH
 SN 112 to 3109, (bolt on)..... 108-6221711-0..... **\$342.53** | || SN 3110 and up, (clamp on)..... | 108-6222711-0..... | **\$313.25** |
- 5) Tailpipe, RH
 SN 112 to 3109, (bolt on)..... 108-6221711-1..... **\$376.77** | || SN 3110 and up, (clamp on)..... | 108-6222711-1..... | **\$297.80** |

Engine Mount

• For all Franklin 150, 165 and 180hp

108-6212000-1..... **\$2,070.53**



Aeromatic Baffle Kit

To be used with modified front baffle and existing side baffles when the Aeromatic propeller is installed. Specify serial number and horsepower when ordering.

Aeromatic Baffle Kit 4086 **\$299.88**

Air Induction Cuffs

For 108, 108-1, 108-2 150hp,
 SN 1 to 2249 108-6221801 | **\$139.73** || For 108-2, 108-3 165hp, SN 2250 and up | 108-6222801 | **\$139.73** |



Carburetor Air Filter

• For Franklin 150-165hp engines

• Excludes the 6221805-8 bottom close out strip

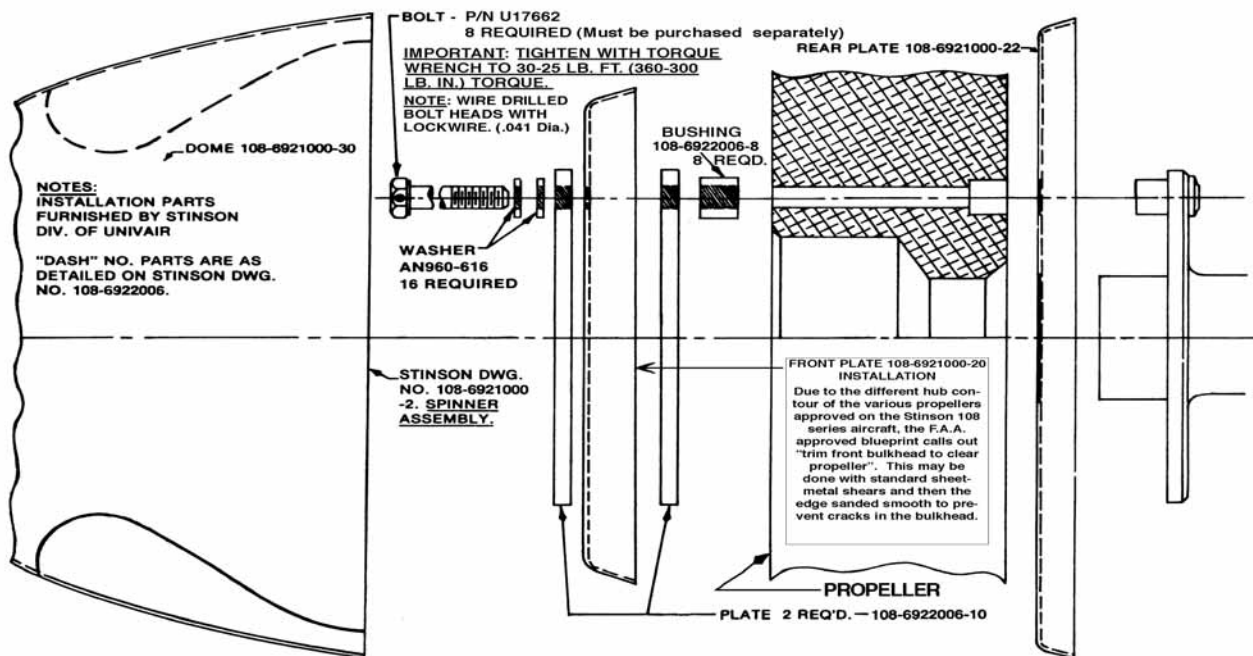
Carburetor Air Filter..... 108-6221805 **\$66.38**



STINSON

Installation Instruction

• McCauley 1A170 MET-L-PROP or Sensenich 74DR-0-XX on STINSON 108, 108-1, -2, -3



Stinson Masks and Stencils



For 108, SN 119 to 742

"Voyager 150", LH side, mask..... 108-3091048-6 \$54.16
"Voyager 150", RH side, mask..... 108-3091048-7 \$54.16



Stinson "Voyager 150"

Stencil..... 108-3091048-37 \$13.86



For 108-1, SN 743 to 2249

"Voyager 150", LH side, mask..... 108-3092048-6 \$54.16
"Voyager 150", RH side, mask..... 108-3092048-7 \$54.16

STINSON VOYAGER

For 108-2 and 108-3, SN 2250 and up

"Stinson Voyager" stencil 108-3092126 \$14.82

STINSON Flying Station Wagon

For 108-2 and 108-3, SN 2250 and up

"Stinson Flying Station Wagon", stencil..... 108-8992034 \$44.46

"Bow and Arrow" Tail Fin Stencils


Left Stencil..... 108-3091039-6 \$33.45
Right Stencil 108-3091039-7 \$33.46



Order Toll Free 1-888-433-5433 or online at www.univiar.com

STINSON

Engine Cowl Lever Assembly

Cowl Fastener Assembly 108-6021401-22	\$82.33	
Cowl Fastener Pin 99836	\$0.90	
Cowl Fastener Receptacle.....	99947P130	\$2.96
Receptacle Cup.....	108-6021401-36	\$24.71

Top Cowl Assembly

- Applicable to all 108 series Stinsons

Includes right and left top cowl,
and center hinge assembly

108-6021401-26	\$1,719.56	
Left Side only	108-6021401-26L	\$1,047.18
Right Side only.....	108-6021401-26R	\$1,047.18



Bottom Cowl Assembly

- Does not include filter plate

108-6021401-70	\$2,800.00
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Aluminum Nose Cowl

- Applicable to 108 through
108-3 series Stinsons

108-6021401-52.....	\$1,042.56
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Miscellaneous

Description	Part #	Price
Seaplane Fin Assembly Kit	108-3901002-A	\$973.42
Jacking Tool.....	108-5901000	\$48.69

Stinson Jettison Door Kit

- Factory manufactured and approved
- Required for aircraft certified in the utility category
- Includes all parts and installation instructions

For SN 1 to 3929	108-3992046	\$760.01
For SN 3930 and up.....	108-3992046-1	\$617.54

Rudder Pulley Modification Kit

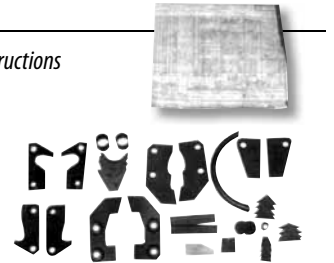
- Complies with SB 266 (Piper Bulletin 114)

Modification Kit	750-189	\$302.38
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Float Fitting Kit

- Complete with blueprint installation instructions
- Welding is required

108-3901001	\$1,010.10
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Thermometer

Thermometer has both Centigrade and Fahrenheit dial graduations. It can be installed through Plexiglas® windshield or cowlings on most aircraft or through the center strip in the windshield.

2716A	\$82.28
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Rudder Bungee Kit

Bungee Kit is required when 165hp or larger engine is installed in 108 or 108-1 Stinson. Some welding is required.

Complete Kit	108-3042450	\$2,186.88
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Magneto Noise Filter



A293	\$39.96
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STINSON

SERVICE LETTER

February 26, 1957

STINSON SERVICE INFORMATION LETTER NO. 74

Installation of Franklin 6A4-165-B3 165hp Engine and Rudder Bungee or Trim Tab on Stinson 108 or 108-1 Airplanes

The following information is applicable to such a change:

1. Although the Stinson 108-2 and 108-3 series aircraft use a revised engine mount, the Model 108 and 108-1 airplane frame and engine mount will be structurally satisfactory if retained without change for the subject engine installation.
2. As indicated by the fuel-flow test report for the Model 108 and 108-1 airplane, the fuel system will not meet fuel-flow requirements. The Model 108-2 and 108-3 aircraft use a revised fuel system which includes ½ inch fuel lines and fittings. On this basis we could not approve the subject engine installation without modification and fuel-flow tests to establish and substantiate satisfactory fuel flow. The fuel-flow test may be waived if the Model 108-2 fuel system is installed in accordance with Stinson data and drawings.
3. If the 165hp engine is installed in the Model 108-1, the original center-of-gravity range, gross weight, and airspeed limits should be retained.
4. Increasing the power from 150 to 165hp in the Model 108 or 108-1 will necessitate the installation of a bungee in the rudder-control system to meet directional-stability requirements. Flight tests of the Model 108-2 with 165hp engine showed that a bungee was necessary and one was installed in accordance with Consolidated-Vultee Drawing 108-3042450.
5. If the rudder trim tab is desired on a Model 108 or 108-1 instead of a bungee, substantiation of the structure both for static strength and flutter would be required. The Model 108-3 has a rudder trim tab but the tail surfaces have been revised over the earlier models, including a larger fin and larger rudder.
6. Flight tests required will depend upon the power plant installation changes accomplished. If no changes are made to the engine cowl or baffle as installed on the Model 108-2 for 165hp, cooling tests may be waived. Those tests necessary to determine a satisfactory propeller installation may also be waived providing one of the propellers listed on Stinson 108-Series Aircraft Specification A-767, as eligible for installation on the Model 108-2, is used on the Modified airplane.

Robert M. Williams
STINSON SERVICE DEPARTMENT

STINSON

UNIVERSAL AIRCRAFT INDUSTRIES

P.O. Box 5306, Denver, Colorado 80217

November 12, 1963

STINSON SERVICE INFORMATION LETTER NO. 74A

Installation of Franklin 6A4-165-B3 165hp Engine and Rudder Bungee on Stinson 108 and 108-1 airplanes

The following information is applicable to such a change:

1. The original aircraft frame and engine mount for Models 108, 108-1, 108-2 and 108-3 are structurally satisfactory for this installation.
2. Models 108 and 108-1 will require installation of revised fuel system as shown in Stinson Drawing 108-62221000 "G". This includes increasing fuel line and fittings to ½ inch.
3. The original center of gravity range, gross weight and airspeed limits are retained.
4. Model 108 and 108-1 will require installation of rudder bungee in accordance with Drawing 108-3042450.
5. Cowling and baffles as shown in Drawing 108-6021401 "L" and 108-6221201 "H" are required for the 165hp engine.
6. Propellers as listed in Specifications A-767 as eligible for the Model 108-2 are satisfactory for use on the modified aircraft.
7. Installation of this engine may be made on the basis of this letter by the local A & P mechanic with the usual FAA 337 form. The Flight Manual Revision, supplied with kit, should be placed in the aircraft.
8. Re-mark tachometer to red line at 2800 RPM, cylinder heat to 530°F for spark plug type thermocouple, 445°F for bayonet type thermocouple.
9. This installation is eligible on the land plane, sea plane, and ski plane version.

Robert M. Williams
STINSON SERVICE DEPARTMENT

FAA APPROVED

DATE

Docco Rippner
Nov 18, 1963

STINSON

SERVICE LETTER

UNIVAIR AIRCRAFT CORPORATION
STINSON DIVISION

SERVICE INFORMATION LETTER NO. 81, Revision A

March 13, 2009

Subject: Batteries eligible for installation in Stinson 108, 108-1, 108-2 and 108-3

Technical aspects of this Service Letter are DER approved.

The Stinson 108, 108-1, 108-2 and early 108-3 aircraft were originally certified with the following batteries:

Willard AW-12-25 and box	23 lb. (+13.5)
or	
Exide 6-TS-9F and box	29 lb. (+13.5)

Later models of the Stinson 108-3 were certified with the following firewall mounted battery:

Willard AW-12-25 (Safety Fill Manifold Vent)	23 lb. (-25)
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None of the batteries listed above are currently manufactured. Until now, the only way to install a currently manufactured aircraft battery in a Stinson 108 series aircraft has been through the field approval process. This Service Information Letter lists additional approved batteries for installation on these aircraft.

The Willard AW-12-25 or Exide 6-TS-9F may be replaced with any one of the following batteries without modification to the battery box or electrical connections:
Concorde CB-35, CB-35A, CB-35AXC, RG-35, RG-35A, or RG-35AXC.

The Concorde CB-35A replaces the CB-35. Similarly, the Concorde RG-35A replaces the RG-35. The CB-35, CB-35A, and CB-35AXC may be used interchangeably and the RG-35, RG-35A, and RG-35AXC may be used interchangeably. From this point on in this document, only CB-35A and RG-35A will be used, but CB-35, CB-35AXC and RG-35, RG-35AXC are also implied.

Note that the Concorde batteries use hex head screws and conical washers in place of the battery posts with wing nuts as used on the Willard AW-12-25 or Exide 6-TS-9F batteries.

The firewall mounted Willard AW-12-25 Safety Fill Manifold Vent battery was equipped with a vent fitting for the overflow tube (P/N 108-3062000-16). The Concorde batteries do not have provisions for connection to overflow tubes. However, a recombinant gas, valve regulated, sealed lead acid battery does not need an overflow tube. Therefore,

STINSON

SERVICE LETTER

the Willard AW-12-25 Safety Fill Manifold Vent battery may be replaced by a Concorde RG-35A. When installing a Concorde RG-35A battery in place of the Willard AW-12-25 Safety Fill Manifold Vent battery, the vent tube may be removed or tied off to the side of the battery. If the vent tube is removed, block the hole in the firewall where the vent tube passes through with a patch made from fireproof material.

The Concorde CB-35A is a dry charged lead acid battery of similar construction and maintenance requirements as the Willard AW-12-25 and Exide 6-TS-9F batteries. The Concorde RG-35A is a recombinant gas, valve regulated, sealed lead acid battery. It is permanently sealed at the factory. No additional electrolyte or water is required for maintenance of the RG-35A.

Installation of replacement batteries:

Removal and installation of the Willard AW-12-25, Exide 6-TS-9F, and Willard AW-12-25 Safety Fill Manifold Vent batteries are the same as that detailed in the Stinson Model 108 Series General Service Manual.

Replacement of the existing Willard or Exide battery with a Concorde CB-35A or RG-35A can be accomplished as follows:

1. Review maintenance procedures regarding removal and installation of battery in Stinson Model 108 Series General Service Manual. Review Instructions for Continued Airworthiness for Concorde battery (Concorde drawing 5-0144 for CB-35A battery or Concorde drawing 5-0142 for RG-35A battery).
2. Gain access to and remove existing battery in accordance with instructions in Stinson Model 108 Series General Service Manual.
3. Clean battery box or cradle in accordance with instructions in Stinson Model 108 Series General Service Manual.
4. Activate Concorde CB-35A battery as outlined in Concorde Instructions for Continued Airworthiness, drawing 5-0144. Concorde RG-35A batteries are serviced and charged at the factory prior to shipment and ready for installation. If the RG-35A battery has been stored for a long period of time before installation, it may need to be conditioned and tested in accordance with instructions in Concorde drawing 5-0142 before installation.
5. Install Concorde battery in battery box or cradle with battery terminals in same orientation as original battery.
6. The Concorde batteries do not employ battery posts as the original batteries. The Concorde batteries use hex head screws and conical washers. Connect battery cables using the hex head screws and conical washers. Torque terminal bolts as noted on battery label. Always disconnect the ground terminal first and install the ground terminal last.
7. Install battery box top or hold down hardware as required.

STINSON

SERVICE LETTER

8. Voltage regulator adjustments remain unchanged with installation of a Concorde battery.
9. Revise weight and balance. The Concorde CB-35 or CB-35A weighs 28.5 pounds. The CB-35AXC weighs 31 pounds. The Concorde RG-35 or RG-35A weighs 29.5 pounds. The RG-35AXC weighs 32 pounds.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

Instructions for continued airworthiness of the electrical system are detailed in the Stinson Model 108 Series General Service Manual. Instructions for continued airworthiness of the Concorde CB-35A battery are contained in Concorde drawing 5-0144. Instructions for continued airworthiness of the Concorde RG-35A battery are contained in Concorde drawing 5-0142. Concorde also has available a Concorde Aircraft Battery Owner/Operator Manual. It is recommended that this Service Letter and appropriate Concorde drawing be placed with the Stinson Model 108 Series General Service Manual for future reference when a Concorde battery is installed in the aircraft.

INFORMATION AND PARTS AVAILABILITY:

Copies of Stinson Model 108 Series General Service Manual are available from Univair Aircraft Corporation.

Copies of Stinson Service Bulletins and Letters for Stinson 108 Series are available from Univair Aircraft Corporation.

Contact Univair Aircraft Corporation for availability and pricing of parts for complying with Service Bulletins and Letters.

Concorde CB-35A and RG-35A batteries are available from Univair Aircraft Corporation or other authorized distributors for Concorde batteries.

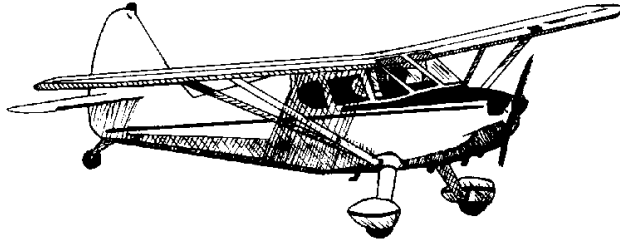
Concorde drawing 5-0142, drawing 5-0144, and Concorde Aircraft Battery Owner/Operator Manual are available from Concorde Battery Corporation at www.concordebattery.com (Adobe Acrobat Reader is required to view the documents).

Univair Aircraft Corporation
2500 Himalaya Road
Aurora, CO 80011-8156
Toll Free Order Only Phone: 888-433-5433
Phone: 303-375-8882
FAX: 303-375-8888 or 800-457-7811
E-mail: info@univair.com
Web Site: www.univair.com

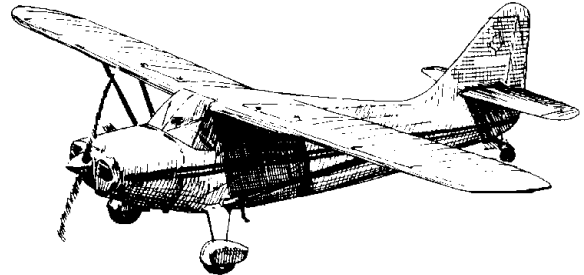
STINSON

Engine Conversion Kits

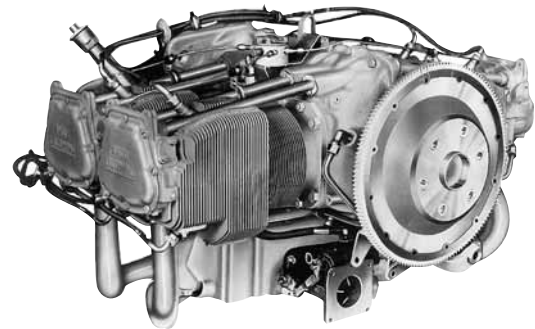
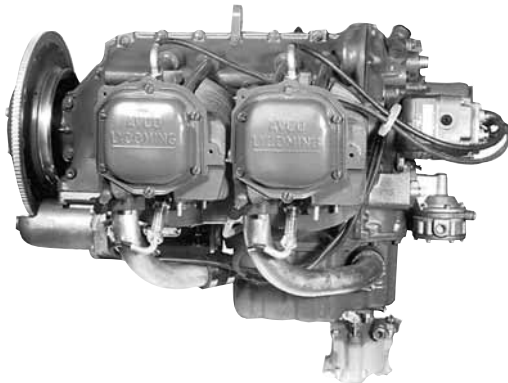
Lycoming Engine Conversions for Stinson Now Available!



108, 108-1, 108-2, 108-3 180hp



108-3 200hp



For 108, 108-1, 108-2, 108-3: 180hp Lycoming O-360 (STC-SA2718NM)..... 180MK..... \$12,045.10

For 108-3: 200hp Lycoming IO-360 (STC-SA1552NM) 200MK..... \$11,627.67

Univair holds STC approval SA2718NM for the O-360 Series Lycoming engine (180hp) for the 108, 108-1, 108-2, and 108-3 Stinsons. Univair also holds the STC for the IO-360 Series engine (200hp) for the 108-3. These engines offer increased performance, a 2000 hour TBO for the O-360, an 1800 hour TBO for the IO-360. Besides an improvement in TBO over the original Franklin engines, these engines offer greater serviceability. They run on the more readily available 100LL avgas and are two of the most popular engines in use in General Aviation today. Univair can supply for these conversions: engine mounts, baffles, exhaust systems, propellers and various detail parts, including rudder bungee and ½ inch fuel lines when required. Univair can supply all necessary ½ inch fuel line components except the fuel valve.

165 Franklin vs. 180/200 Lycoming

165 Franklin			180 Lycoming			200 Lycoming	
% Power	Output	Fuel Consumption	% Power	Output	Fuel Consumption	Output	Fuel Consumption
82%	135hp	10.5 gph	75%	135hp	10.5 gph	150hp	10.4 gph
75%	123hp	9.7 gph	68%	122hp	9.5 gph	137hp	9.4 gph
71%	117hp	9.3 gph	65%	117hp	9.0 gph	130hp	9.1 gph
65%	107hp	8.6 gph	61%	110hp	8.4 gph	123hp	8.5 gph
			55%	99hp	7.4 gph	110hp	7.5 gph

There is a standard and wide deck version of the Lycoming O-360 and IO-360. To provide the appropriate components, we need to know which engine you have. This can be determined for either the 180 or 200hp engines by looking at the serial numbers. Narrow Deck engines have a "-36" at the end of the serial number. Wide Deck engines have a "-36A" at the end of the serial number.

STINSON

Lycoming O-360 Series – 180hp

Our STC covers the installation of the O-360 series* 180hp Lycoming engine with fixed-pitch Sensenich propeller for the entire 108 Series of Stinsons. The 3/8 inch fuel lines in the 108 and 108-1 will have to be replaced with 1/2 inch fuel lines. This will require a modification of the fittings on the fuel tanks. Univair can supply all the necessary 1/2 inch fuel line components with the exception of the fuel valve. Also, the 108 and 108-1 will require the Rudder Bungee Kit if not already installed. Neither the fuel lines or Rudder Bungee Kit are included in the Minimum or Detail kits below; they must be purchased separately from Univair. The 108-2 and 108-3 already have 1/2 inch fuel lines. The 108-2 will also have the Rudder Bungee Kit already installed. The 108-3 does not require the Rudder Bungee Kit as it has a rudder with a pilot adjustable trim tab.

This engine conversion will allow the use of the existing cowlings requiring some modifications to the nose and lower cowl.

Below are lists of major items that we require as a minimum of purchased parts from Univair. These Minimum Conversion Kits will be sold only as a complete package. Other "detail" items are needed for the installation. However, they may be purchased individually or from other vendors. These include items such as controls, ducting, hoses, etc.

Note: In developing this STC installation, Univair used the narrow (standard) deck engine. Installations using the later wide deck engines may require minor modifications to the baffling.

*O-360 engines approved for this STC are O-360-A1A, -A1D, -A1F, -A1F6, -A1F6D, -A2A, -A2D, -A1AD, -A2E, -A2F, -A3A, -A3AD, -A4AD, -A4M, and -A5AD

Conversion Kits

- Minimum Kit (see list below left) 180MK..... **\$12,045.10**
- Detail Kit (see list below right) 180DK..... **\$4,872.35**
- Sensenich Propeller 76EM8 Series Price available on request

- Rudder Bungee Kit* 108-3042450..... **\$2,186.88**

**Required for 108 and 108-1*

Customers with wide deck engines who wish to convert from a generator to an alternator can purchase the 015-01236WD Alcor Alternator Kit from InterAv (phone: 210-344-2785). The adjustment bracket supplied in this kit is not applicable; however that bracket (108-U9001062) can be supplied at no additional charge upon request.

Conversion Kit Components

180MK Minimum Kit includes the following items*:

Part #	Description	Quantity
108-U9001023	Engine Mount	1
O-360	Baffle Set	1
8000075	Oil Cooler	2
108-U-9001024	Oil Cooler Take Off	1
U14422-B	Spinner Assembly	1
108-U9001059	Carburetor Air Box	1
108-U9001064	Exhaust Manifold	1
108-U9001015-3A	Muffler Assembly	2
108-622209-20	Shroud	1
108-6221210-20	Shroud	1
108-6221704	Shroud Clip	2
108-U9001061	Flame Tube	2
108-U9001062	Bracket	1
108-6221710	Muffler Hanger	2
11950-004	Leather Gasket	1
108-U9001002-2	Oil Pressure Tube	1
108-6222101-10	Fuel Line	1
108-U9001002-56	Oil Cooler Tube	1
108-U9001002-57	Oil Cooler Tube	1
108-U9001002-58	Oil Cooler Tube	1
108-6022421	Eye brow	1
108-U9001051	Alternator Adjustment Arm	1
3L320	V Belt	1
SA2718NM	STC Paperwork and Blueprints	1

**Engine not included with kit*

180DK Detail Kit includes the following items: (can be purchased individually)

Part #	Description	Quantity	Price
108-U-9001008-2	Oil Pressure Line	1	\$52.79
CAT16	Aeroduct	2 ft	\$10.78
200605	Hose Clamps	2	\$7.07
TACH-37	Tachometer Cable	1	\$94.18
SCAT4	Aeroduct	1 ft	\$7.12
SCEET8	Aeroduct	2 ft	\$15.91
SCAT8	Aeroduct	8 ft	\$9.94
MIL6000-12	3/4 inch hose	3 ft	\$7.96
49X8	Elbow	1	\$5.39
A700-10-0600	Button Lock Control	1	\$71.79
A750-10-0526	Throttle Control	1	\$103.98
A750-20-0480	Mixture Control	1	\$92.48
J7402-24	Lord Mount	4	\$143.50
U70371-003	Swivel	1	\$19.88
89307-000	Rod End	2	\$33.82
BA-4106	Air Filter Assembly	1	\$57.95
108-U-9001011	Tail Pipe	2	\$778.37
108-U-9001055	Baffle Air Scoop	1	\$343.73
108-U-9001058	Muffler Clamp	2	\$59.60
108-U-9001053-00	Hanger	1	\$38.95
108-U-9001053-01	Hanger	1	\$38.95
108-U-9001050	Cowl Reinforcement Ring	1	\$31.80
108-U-9001065	Bushing	1	\$3.65
CLM-60	Circuit Breaker	1	\$316.68
82311	60-0-60 Ammeter	1	\$45.57
AN816-8D	Fitting	1	\$6.20
MS20822-8D	Fitting (AN822-8D)	2	\$16.70
MS20823-8D	Fitting (AN823-8D)	3	\$14.90

STINSON

Lycoming IO-360 Series – 200hp, Stinson 108-3 Only

Univair holds STC approval SA1552NM for the installation of the IO-360* 200hp engine conversion with Hartzell constant speed propeller on the 108-3 Stinson. This conversion is simple and a direct replacement of the Franklin 165hp engine and related accessories with a more modern, fuel efficient and more powerful Lycoming IO-360 series engine package.

This conversion retains the existing lower cowl; however, it must be modified. A new deeper nose cowl and longer side cowl are required. A new fuel boost pump is required. Because of the installation of the constant speed propeller and related accessories, the battery box must be relocated behind the baggage compartment.

There are standard and wide deck versions of the Lycoming IO-360. To insure that we provide the proper parts for your installation, we need to know which version you have. Information how to determine this is on page 161.

Below is a list of major items required for this installation as contained in the Minimum Conversion Kit. This kit will only be sold only as a complete package. Other "detail" items needed for the conversion such as controls, ducting, hoses, etc., can be purchased individually.

Note: In developing this STC installation, Univair used the narrow (standard) deck engine. Installations using the later wide deck engines may require minor modifications to the baffling.

**IO-360 engines approved for this STC are IO-360-A1A, -A1B, -A1B6, and -A1C*

Conversion Kit and Detail Items

Conversion Kit

• 200hp Minimum Kit (see list below)..... 200MK..... **\$11,627.67**

All Metal Bottom Cowl for 200hp Conversion

• Bottom Cowl..... 108-U-9001040.....**\$2,156.03**

Customers with wide deck engines who wish to convert from a generator to an alternator can purchase the 015-01236WD Alcor Alternator Kit from InterAv (phone: 210-344-2785). The adjustment bracket supplied in this kit is not applicable; however that bracket is supplied in the Minimum Conversion Kit at no additional charge.

Hartzell Propeller and Accessories

• Hartzell Propeller (HCC2YK-1BJ/7666A)..... 81-C2K00040..... **CALL**
• Governor..... H1..... **CALL**
• Hartzell Spinner Assembly..... 835-44..... **CALL**

Conversion Kit Components

200MK Minimum Kit includes the following items*:

Part #	Description	Quantity
108-U9001023	Engine Mount	1
108-U9001020	Baffle Set	1
8000075	Oil Cooler	2
108-U-9001024	Oil Cooler Take Off	1
108-U9001032	Side Cowl Assembly	1
108-U9001033	Nose Cowl	1
108-U9001040KIT	Bottom Cowl Modification Kit	1
108-U9001015-3A	Muffler Assembly, LH	1
108-U9001015-4A	Muffler Assembly, RH	1
108-622209-20	Shroud	1
108-U9001034	Exhaust Manifold	1
108-6221704	Shroud Clip	2
108-U9001010	Flame Tube	2
108-U9001016KIT	Tailpipe Hanger Kit	1
108-U9001019	Alternate Air Box Assembly	1
1500-00-44	Auxiliary Fuel Pump	1
108-U9001021KIT	Baffle Bracket Kit	1
8368	V Belt	1
SA1552NM	STC Paperwork and Blueprints	1

**Engine not included with kit*

200DK Detail Kit includes the following items: (can be purchased individually)

Part #	Description	Quantity	Price
108-U-9001013	Tailpipe, LH	1	\$292.99
108-U-9001014	Tailpipe, RH	1	\$292.99
108-U-9001024	Oil Cooler Flange Fitting	1	\$131.44
108-U-9001003	Auxiliary Fuel Pump Bracket	1	\$77.39
A750-10-0290	Governor Control	1	\$100.09
A750-10-0526	Throttle Control	1	\$103.98
A750-20-0600	Mixture Control	1	\$103.98
—	Alternate Air Control (032-22)	1	—
108-U-9001004	Throttle Bracket	1	\$42.84
TACH-37	Tachometer Cable	1	\$94.18
10-357200-1	Ignition Switch for Non-Impulse Coupled Mags	1	\$495.98
U-108-3062020	Battery Box Relocation Kit	1	\$556.52
82311	60-0-60 Ammeter	1	\$45.57
AG1055	Manifold Pressure/Fuel Flow Gauge	1	Call
J7402-24	Lord Mounts	4	\$143.50
108-U-9001007KIT	Electrical Wiring, Complete Set	1	\$331.14
HOSE-KIT	Engine Hose Kit	1	\$982.99
BA-5110	Air Filter Assembly	1	\$61.73
10-176487-121	Ignition Vibrator Starter	1	\$428.43
CLM-60	Circuit Breaker	1	\$316.68

Performance Information

Univair publishes no performance data for either of these engine conversions. The supplemental flight manuals for these installations do state that these conversions will deliver the same or better performance than what the aircraft was originally certified for. Neither of these engine conversions allow for an increase in gross weight.

Customers who have installed wither the 180hp or 200hp engine conversions have noted significantly better climb and short field performance especially with a climb propeller in the case of the 180hp installation. The same is true with the Hartzell constant speed propeller and 200hp installation on the 108-3. Customers have reported modest increases in airspeed with both installations. A greater increase in speed has been reported on the 108-3 with the 200hp installation compared to the 180hp installation. The original maximum structural cruise speed limit remains the same after the engine conversions.