

FOR REFERENCE ONLY

Applicability: BEECHCRAFT
Travel Air
95, B95, B95A, D95A, E95

[S/N TD-2 & After]

Drawing: AFC-W305
Revision: B
Date: 06/01/05

Airwolf Parts List No. AFC-W305

<u>Index</u>	<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
01.	W-3000	AirSep Assy	(1)
02.	W-2008	Air Syphon Pump	(1)
03.	W-2018-1	Air-Tee, 5/8"	(1)
04.	Deleted		
05.	W-2011	Bracket	(1)
06.	MS21919WDG-16	Adel Clamp, 1"	(1)
07.	MS21919WDG-12	Adel Clamp, 3/4"	(1)
08.	MIL6000-3/4	Hose, 3/4" ID	(6")
09.	MIL6000-3/4	Hose, 3/4" ID	(10")
10.	MIL6000-1/4	Hose, 1/4" ID	(18")
11.	MIL6000-5/16	Hose, 5/16" ID	(14")
12.	Deleted		
13.	MIL6000-5/8	Hose, 5/8" ID	(14")
14.	MIL6000-5/8	Hose, 5/8" ID	(3")
15.	NAS42DD5-32	Bushing	(1)
16.	Deleted		
17.	Deleted		
18.	MM-4	Hose Clamp, 1/4"	(4)
19.	QS100M10H	Hose Clamp, 5/8"	(4)
20.	QS100M12H	Hose Clamp, 3/4"	(2)
21.	QS100M24H	Hose Clamp, 1-1/2"	(1)
22.	QS100M72H	Hose Clamp, 4-1/2"	(1)
23.	MS20365-832A	Locknut, #8	(1)
24.	AN526-832R24	Screw, #8 X 1-1/2" Long	(1)
25.	AN526C-1032R10	Screw, #10 X 5/8" Long	(3)
26.	MS51861-40	Screw, #8 X 1-1/4" Long	(1)
27.	W-2100	"C" Channel	(10")
28.	Deleted		
29.	Deleted		
30.	MS20365-1032A	Locknut, #10	(2)
31.	NAS395-18	Tinnerman Nut	(1)
32.	MS21919WDG-30	Adel Clamp, 1-7/8"	(1)
33.	CAT-7	Duct, 1-3/4" ID	(12")
34.	MS20823-5D	45° Fitting, -5	(1)
35.	AN912-3D	Reducer Bushing	(1)

*Note A: Some hoses or wires may have to be rerouted so the air/oil separator will fit into position.
Reference and material per AC 43.13-1B & 2A.*

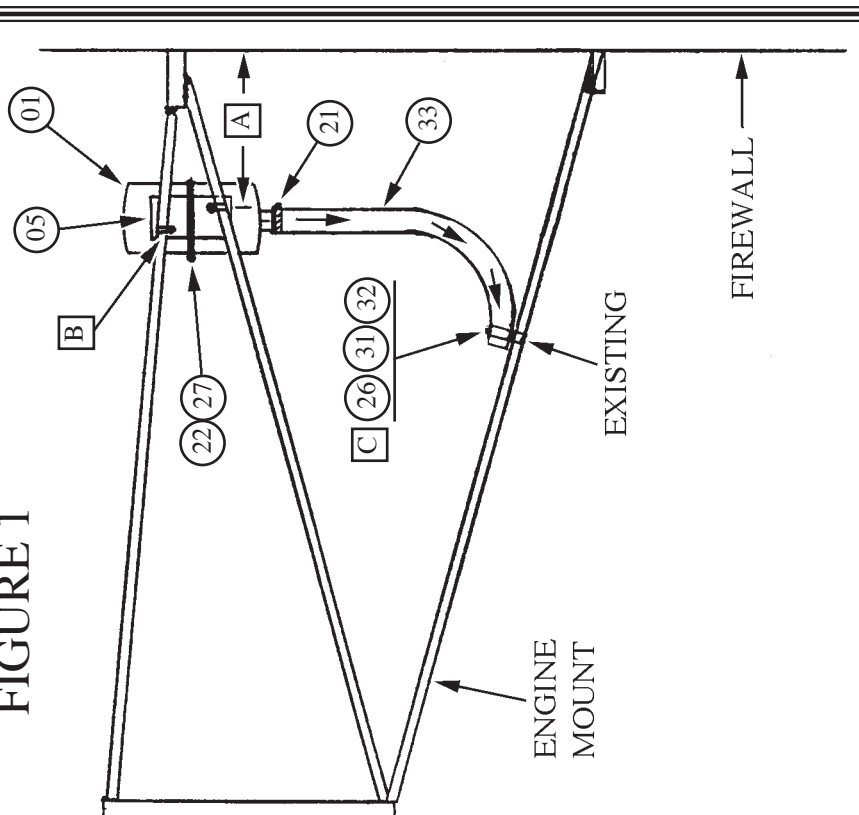
WARNING: ALL HOSES SHALL BE LOCATED AT LEAST 4.0" FROM ANY HEAT SOURCE LIKELY TO CAUSE VAPORIZATION OF THE OIL.

01. Remove all existing engine breather and vacuum pump outlet components. Retain the hose fittings on both the breather and the vacuum pump, and retain 1 ea. MS21919WDG-15 clamp from each breather.
02. Slip the Adel clamp (Item 6) over the upper left side engine mount tube with the toe inboard and pointing down.
03. Slip the Adel clamp (Item 7) over the lower left side engine mount tube — with the toe inboard and pointing down (right engine only) — with the toe inboard and pointing up (left engine only).
04. Loosely assemble the universal bracket (Item 5) to the clamps. Install the bracket with the notches upward and the flanges pointing inward toward the center of the nacelle.
05. Install one each of Item 30 and 25 in the upper left bracket hole.
06. Install one each of Item 30 and 25 in the lower right bracket hold. (right engine only)
Install one each of Item 23, 34, 15 in the lower right bracket hole. (left engine only)
07. Position the upper clamp 4.75" forward of the firewall (right engine only)
Position the upper clamp 7.50" forward of the firewall (left engine only)
08. Position the lower clamp 3.50" forward of the firewall (right engine only)
Position the lower clamp 6.375" forward of the firewall (left engine only)
09. Align the bracket as near vertical as possible and secure clamps and hardware.
10. Install the hose (Item 8, left engine) (Item 9, right engine) to the engine breather and secure with 1 ea. of item 20.
11. Install the AirSep (Item 1) on the bracket (Item 5) and clamp it with one each of Item 22. Place the clamp just slightly below the flanged split line on the AirSep.
12. Slide the remaining end of the breather hose over the 3/4" inlet to the AirSep and clamp it in place with 1 ea. of Item 20.
13. Insert the Air Tee (Item 3) in one end of the hose (Item 14) and install the hose onto the vacuum pump exhaust. Clamp both ends with Item 19. Observe proper Air-Tee direction. (See drawing)
14. Connect the hose (Item 13) to the 1/2" inlet to the AirSep and to the remaining 1/2" end of the air clamp in place with Item 19.
15. Remove the 1/4" pipe plug from the lower right accessory housing, near the lower engine mount, install the fittings, Items 35 and 36.
16. Install the Air Syphon Pump (Item 2) to the fitting (Item 34)
17. Connect the hose (item 10) from the 5/16" diagonal tube of the Air-Tee to the 5/16" inlet tube to the Air Syphon Pump. Clamp in place with 2 ea. of Item 18.
18. Connect the hose (Item 10) from the AirSep drain to the diagonal inlet tube of the Air Syphon Pump. Clamp in place with 2 ea. of Item 18.

Note B: Assue proper connection of hoses to Air Syphon Pump.

19. Connect the overboard duct (Item 33) to the 1-3/4" outlet from the AirSep. Clamp it with 1 ea. of Item 21.
20. Install the tinnerman nut (Item 31) on the clamp (Item 32)
21. Re-install the MS21919WDG-15 Adel clamp on the lower engine mount tube, and secure Item 32 to it using 1 ea. of Item 26. Insert the duct and face it forward and away from the cowl flap area.
22. Determine weight & balance, initiate Form 337, and update the equipment list.

FIGURE 1



[A] LH ENGINE = 6.375"
RH ENGINE = 3.500"

[B] TOP HOLE: BOTH LH & RH ENGINES USE ITEMS 25, 6, & 30
BOTTOM HOLE: LH ENGINE AS SHOWN USE ITEMS 7, 23, 24, & 15
RH ENGINE REVERSE ITEM 7, AND CONNECT
USING ITEMS 25 & 30.

[C] DUCT MUST NOT EXTEND INTO THE AIRSTREAM

FIGURE 2

