



PIPER AIRCRAFT, INC.

PA-46-350P, MIRAGE
EQUIPMENT LIST
S/N 4636473 and UP

EQUIPMENT LIST

The following is a list of standard and optional equipment for the PA-46-350P Mirage. Optional equipment items marked with an X are installed on the airplane. All items are as described below at the time of licensing by the manufacturer. Piper Aircraft, Inc. will not revise this equipment list after the aircraft is licensed. It is the owner's responsibility to retain and amend this equipment list to reflect changes in equipment installed in this airplane. Unless otherwise indicated, the installation certification basis for the equipment included in this list is the aircraft's approved type design.

PIPER AIRCRAFT, INC.

PA-46-350P, MIRAGE

SERIAL NUMBER 4636487

REGISTRATION NUMBER N2316X

DATE 12/02/2010

Item No.	Item	Weight (Pounds)	Arm (In.) Aft Datum	Moment (Lbs.-In.)
(A) Electrical Equipment				
1	Battery, Teledyne Battery Products model G-250S, Piper drawing 84431-006, Piper code number 601-915	31.38	93.40	2930.89
(B) Cabin Interior				
11	Pilot adjustable seat (leather) with headrest and lumbar support installation, Piper drawing 102938-006	27.63	140.60	3884.78
13	Copilot adjustable seat (leather) with headrest, lumbar support, forward oxygen canister and masks installation, Piper drawing 102938-007	30.16	140.60	4240.50
15	Center left passenger seat (leather) with headrest and armrest, Piper drawing 102939-006	24.24	171.90	4166.86
17	Center right passenger seat (leather) with headrest, armrest, and oxygen canisters (2) and oxygen masks (4) installation, Piper drawing 102939-007	29.15	171.90	5010.89
19	Aft passenger bench seat (leather) with center armrest, Piper drawing 102940-004	35.98	223.80	8052.32
23	Relief tube installation, Piper drawing 84979-002	0.90	150.70	135.63
25	Refreshment and storage cabinets, Piper drawings 102905-006 and 102905-007			
	a.) Right hand cabinet assembly without stereo system and fire extinguisher, Aeroquest part number AQI-NP-003, Piper drawings 102905-007 and 102944-006, Piper code numbers 689-371 and 689-372	9.57	157.50	1506.64
	b.) Left hand cabinet assembly without igloo cooler, Aeroquest part number AQI-NP-002, Piper drawing 102905-006, Piper code numbers 689-373 and 689-374	9.32	157.50	1467.53



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(C) Standard avionics equipment				
27	Pilot's microphone installation, Piper drawing 84401-002			
	a.) Telex Acoustics model 100T/NH microphone, Telex part number 62800-001, Piper code number 474-657	0.26	122.70	32.02
	b.) Telex microphone holder and hardware, Telex part number 62800-005, Piper drawing 84401-002	0.036	122.70	4.39
29	Pilot's headset, Piper drawing 84401-002			
	a.) Telex 5161A Airman 760 headset, Piper code number 692-205	0.21	126.00	25.96
(D) Miscellaneous equipment				
41	Tow bar installation, Piper drawing 84932-002	1.50	81.00	121.50
43	Fire extinguisher installation, Piper drawing 102944-006			
	a.) H3R Halon 1211-1301 fire extinguisher, Halon model RT-A600 (bottle only), Piper code number 459-887	1.61	157.00	251.99
45	Fuel sampler flush cup, MDI Manufacturing Division, Inc. part number F-391-SS, Piper drawing 67728-003, Piper code number 455-732	0.088	97.63	8.54

END OF STANDARD EQUIPMENT



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(E) Electrical (Optional equipment)					
55	Tail light installation, Piper drawing 104435-002, (Marketing option 363)				
	a.) Lamp, Whelen model A555AV28, Whelen part number 01-0770034-01, Piper drawing 104428-004, Piper code number 572-634	☐	0.13	350.79	47.01
	b.) Tail light harnesses and hardware, Piper drawing 104435-002	☐	0.36	332.23	118.95
	Tail light installation weight		0.49	337.28	165.96
(F) Instrumentation (Optional equipment)					
67	Copilot's electric attitude installation, Piper drawing CA-46-2-272, (non-Avidyne Entegra system only), (Marketing option 206)				
	a.) Copilot's electric attitude gyro indicator installation, Horizon Aid part number RCA26BK6, Piper drawing CA-46-2-272, Piper code number 548-365	☐	2.41	114.70	276.32
	b.) Removed copilot's attitude gyro (air driven), R.C. Allen part number RCA22-15, Piper drawings 99002-009, 100534-003, Piper code number 598-556, Cert. Basis - TSO C4c		-2.22	114.70	-254.18
	Copilot's electric attitude installation delta weight		0.19	114.68	22.15
(G) Avidyne Entegra Avionics (Optional equipment)					
79	Garmin GTX 330 dual transponder installation, Piper drawings 105121-105 and -106, Cert. Basis TSO C74c, Avidyne Entegra system only, (Marketing option 842)				
	a.) Garmin GTX 330 transponder unit #1, Garmin part number 011-00455-00, Piper PS50040-12-15, Piper drawing 105121-006, Piper code number 652-370	☐	4.20	113.00	474.60
	b.) Garmin GTX 330 transponder unit #2, Garmin part number 011-00455-00, Piper PS50040-12-15, Piper drawing 105121-006, Piper code number 652-370	☐	4.20	113.00	474.60
	c.) Garmin transponder antenna #1, Garmin part number 010-10160-00, Piper PS50040-12-15, Piper drawing 105121-106, Piper code number 683-724	☐	0.21	103.76	21.79
	d.) Garmin transponder antenna #2, Garmin part number 010-10160-00, Piper PS50040-12-15, Piper drawing 105121-106, Piper code number 683-724	☐	0.21	103.76	21.79
	e.) Harness and hardware, Piper drawings 105121-105 and 105121-106	☐	2.96	108.73	321.76
	Removed standard Garmin GTX 330 transponder installation with single GPS, Piper drawing 105121-105		-5.79	111.57	-646.30
	Garmin GTX 330 dual transponder installation delta weight		5.99	111.63	668.24



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(G) Avidyne Entegra Avionics (Optional equipment)					
81	Garmin GMA 340 audio installation with audio amp, Piper drawing 105121-002, Avidyne Entegra system only				
	a.) Garmin GMA 340 audio selector panel, Piper PS50040-15-25, Piper code number 601-210				
	1.) Garmin GMA audio panel marker and receiver, Garmin part number 011-00401-10	☐	1.57	114.93	180.43
	2.) Garmin connector and rack kit, Garmin part number 011-00652-00	☐	0.17	114.93	19.54
	b.) Passenger headsets (2), PS Engineering part number 4622SS, Piper code number 694-202	☐	2.13	177.00	376.83
	c.) Passenger headsets (2), PS Engineering part number 4622SS, Piper code number 694-202	☐	2.13	218.75	465.72
	d.) Harnesses, audio amp and hardware, Piper drawing 105121-002	☐	0.58	108.08	62.65
	Removed standard GMA 340 installation		-6.01	173.69	-1044.03
	Garmin GMA 340 audio installation with audio amp delta system weight		0.57	107.88	61.14
85	Avidyne XM Weather system, Piper drawing 105121-104, Avidyne Entegra system only, (Marketing option 240)				
	a.) Heads Up Technologies, Inc. XM data receiver installation, Piper drawing 105121-104				
	1.) Heads Up Technologies, Inc. XM Data RS232 receiver, Heads up Technologies part number HUT XMD076-01, Piper code number 601-244	☐	1.42	108.18	153.18
	2.) Cables and hardware, Piper drawing 105121-104	☐	1.77	103.25	182.47
	Avidyne XM Weather system weight		3.18	105.44	335.65
87	Honeywell International KN-63 DME system installation, Piper drawing 105121-121, Avidyne Entegra system only, (Marketing option 563)				
	a.) Honeywell International KN-63 DME system, Piper PS50040-17-13, Piper code number 601-245				
	1.) Honeywell International KN-63 DME transceiver, Honeywell International part number 066-01070-0001, Piper PS50040-17-13, Piper code numbers 598-159	☐	2.80	269.81	755.47
	2.) Honeywell International KDI-572 indicator, Honeywell International part number 066-01069-0000, Piper PS50040-17-13, Piper code number 597-281	☐	0.80	114.15	91.32
	3.) Honeywell International KA-60 antenna, Honeywell International part number 071-01591-0001, Piper PS50040-17-13, Piper code number 683-738	☐	0.20	167.99	33.60
	b.) Harness and hardware, Piper drawing 105121-121	☐	3.02	194.69	587.35
	Honeywell International KN-63 DME system installation weight		6.82	215.31	1467.74



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(G) Avidyne Entegra Avionics (Optional equipment)					
89	Honeywell International KR-87 ADF system installation (single), Piper drawing 105121-120, Avidyne Entegra system only, (Marketing option 524)				
	a.) Honeywell International KI-227-00 indicator, Piper PS50040-20-9, Piper code number 598-180	☐	0.70	116.36	81.45
	b.) Honeywell International KR-87 ADF receiver, Piper PS50040-20-17, Piper code number 601-203	☐	3.20	112.23	359.12
	c.) Honeywell International KA-44B antenna, Piper PS50040-20-13, Piper code number 598-184	☐	4.20	203.38	854.18
	d.) Harness and hardware, Piper drawing 105121-120	☐	3.11	157.77	491.36
	Honeywell International KR-87 ADF system installation (single) weight		11.21	159.27	1786.11
91	Honeywell International integrated hazard avoidance system (IHAS) 8000, Piper drawings 105121-102, -108, and 105130-102, Avidyne Entegra system only				
	a.) Honeywell International KMD 880 kit, Honeywell International part number KMH0880-10, Piper drawing 72496-308, Piper code number 652-585				
	1.) Honeywell International KMH 820 Multi-Awareness unit, Honeywell International part number HYW-066-01175-2102, Piper code number 694-112	☐	10.29	269.77	2775.96
	2.) Honeywell International KMH 820 Multi-Awareness unit installation-rack, Honeywell International part number HYW-047-12623-0001, Piper code number 692-307 and 652-346	☐	0.33	269.77	89.83
	3.) Honeywell International KMH 820 Multi-Awareness unit installation kit, Honeywell International part number HYW-050-03361-0000, Piper code number 652-307	☐	0.09	269.77	25.36
	4.) Honeywell International KA 0815 Directional antenna #1, Honeywell International part number HYW-071-01599-0100, and Honeywell International KA 0815 Directional antenna installation kit, Honeywell International part number HYW-050-03362-0000	☐	1.10	168.05	185.07
	5.) Honeywell International KA 0815 Directional antenna #2, Honeywell International part number HYW-071-01599-0100, and Honeywell International KA 0815 Directional antenna installation kit, Honeywell International part number HYW-050-03362-0000	☐	1.10	182.50	200.98
	6.) Honeywell International KCM 0805 configuration module, Honeywell International part number HYW-071-00112-0200, Piper code number 592-691	☐	0.14	269.77	37.23
	7.) Honeywell International KGP0560 Americas database, Honeywell International part number HYW-071-00167-0101, Piper code number 690-221, or Honeywell International KGP0560 Atlantic database, Honeywell International part number HYW-071-00167-0102, Piper code number 690-220, or Honeywell International KGP0560 Pacific database, Honeywell International part number HYW-071-00167-0103, Piper code number 690-219	☐	0.07	112.33	8.09
	b.) Annunciation unit, Mid-Continent Industries Corporation part number MD41-1208, Piper code number 602-293	☐	0.23	115.55	26.63



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Item No.	Item	Mark if Option Installed	Weight (Pounds)	Arm (In.) Aft Datum	Moment (Lbs.-In.)
(G) Avidyne Entegra Avionics (Optional equipment)					
91	Integrated Hazard Avoidance System-continued				
	c.) Harnesses, brackets and hardware, Piper drawings 105121-102 and 105130-102	☐	11.61	205.51	2386.73
	IHAS system installation weight		24.96	229.80	5735.88
92	L-3 Communications WX-500 Stormscope system installation, Piper drawing 105120-108 and 105130-102				
	a.) L-3 Communications WX-500 Stormscope system kit, L-3 Communications part number 830-11500-002, Piper drawing 72496-281, Piper code number 601-225				
	1.) L-3 Communications WX-500 Stormscope processor, L-3 Communications part number 805-11500-001, Piper code number 601-226	☐	1.70	269.76	458.59
	2.) L-3 Communications WX-500 NY163 Stormscope antenna, L-3 Communications part number 805-10930-001, Piper code number 683-728	☐	0.81	221.75	178.51
	3.) L-3 Communications WX-500 Stormscope antenna cable, L-3 Communications part number 803-10950-005, Piper code number 652-103	☐	0.39	247.10	95.13
	4.) L-3 Communications WX-500 Stormscope installation kit, L-3 Communications part number 817-11500-001, Piper code number 601-227	☐	1.05	256.72	269.30
	b.) Harness, bracket and hardware, Piper drawings 105121-108 and 105130-102	☐	3.43	193.14	661.81
	Stormscope System (Avidyne Entegra) installation weight		7.38	225.38	1663.34
93	Removed standard Artex emergency locator transmitter model ME406 kit, Piper drawing 105116-002, Piper code number 601-254, Cert. Basis TSO C91a, Avidyne Entegra system only, (Marketing option 260)	☐	-2.28	304.81	-694.97
(H) Garmin non-WAAS Avionics system					
105	Garmin non-WAAS avionics system package, (requires Avidyne Entegra system)				
	a.) Garmin dual GNS 430 GPS/NAV/COM system installation, Piper drawing 105121-002, Cert. Basis - TSO C34e, C36e, C37d, C38d, C40c, C129a				
	1.) Garmin GNS 430 (11-33 VDC) #1 unit with mount, connectors and data card, Piper PS50040-40-4, Piper code number 601-229	☐	6.56	114.38	750.33
	2.) GNS 430 #1 cables and hardware, Piper drawings 105121-002	☐	0.06	113.13	6.49
	3.) Garmin GPS GA 56 antenna, Piper drawing 105121-002				
	a.) Garmin GPS GA 56 antenna #1 installation kit, Garmin part number 010-10040-01, Piper drawing 105121-002, Piper code number 683-721	☐	0.24	150.25	36.36
	b.) Garmin GPS antenna cables and hardware, Piper drawing 105121-002	☐	0.51	129.13	65.86
	4.) Garmin GNS 430 (11-33 VDC) #2 unit with mount, connectors and data card, Piper PS50040-40-4, Piper code number 601-229	☐	6.56	114.38	750.33



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Item No.	Item	Mark if Option Installed	Weight (Pounds)	Arm (In.) Aft Datum	Moment (Lbs.-In.)
(H) Garmin non-WAAS Avionics system					
105	Garmin non-WAAS avionics system package, (requires Avidyne Integra system)-continued				
	a.) Garmin dual GNS 430 GPS/NAV/COM system installation-continued				
	5.) GNS 430 #2 cables and hardware, Piper drawings 105121-002	☐	0.06	113.13	6.49
	6.) Garmin GPS GA 56 antenna, Piper drawing 105121-002				
	a.) Garmin GPS GA 56 antenna #2 installation kit, Garmin part number 010-10040-01, Piper drawing 105121-002, Piper code number 683-721	☐	0.24	150.25	36.36
	b.) Garmin GPS antenna cables and hardware, Piper drawing 105121-002	☐	0.46	129.13	59.40
	Removed dual Garmin GNS 430W system installation		-12.23	118.23	-1445.92
	Garmin non-WAAS system package delta weight		2.46	108.07	265.72
(I) Garmin G1000 Avionics System					
117	Standard Garmin G1000 Avionics Package, Piper drawings 105550-002, Marketing option (GAR)				
	a.) Garmin dual GIA 63 Integrated Avionics Unit system installation, Piper drawing 105550-002				
	1.) Garmin GIA 63 IAU #1, Piper drawing 105550-002, Piper code number 602-323	☒	5.22	108.50	566.37
	2.) Garmin GIA 63 IAU #2, Piper drawing 105550-002, Piper code number 602-323	☒	5.22	108.50	566.37
	3.) GIA 63 IAU #1 installation hardware and cables, Piper drawing 105550-002	☒	2.43	109.37	266.23
	4.) GIA 63 IAU #2 installation hardware and cables, Piper drawing 105550-002	☒	2.43	109.13	266.23
	5.) Dual communication and navigation antenna installation, Piper drawing 105550-002				
	a.) Navigation antenna, Piper PS50040-18-4, Piper code number 598-539, Piper drawing 105550-002	☒	0.35	324.28	113.50
	b.) Navigation antenna cable assembly and hardware, Piper drawing number 105550-002	☒	2.29	137.69	315.56
	c.) VHF Communication antenna #1, Piper drawing 105550-002, Piper code number 552-539	☒	1.13	141.81	159.68
	d.) VHF Communication antenna #1 cable assembly and hardware, Piper drawing 105550-002	☒	0.88	134.01	118.60
	e.) VHF Communication antenna #2, Piper drawing 105550-002, Piper code number 683-746	☒	1.25	202.00	252.50
	f.) VHF Communication antenna #2 cable assembly and hardware, Piper drawing 105550-002	☒	1.65	160.13	263.59
	6.) Dual GPS antenna installation, Piper drawing 105550-002				
	a.) Garmin GA 35 GPS antenna (GPS #1), Piper PS50040-18-9, Piper code number 683-745	☒	0.47	150.25	70.43
	b.) GPS #1 antenna cable and hardware, Piper drawing 105550-002	☒	1.34	133.91	179.69



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(I) Garmin G1000 Avionics System					
117	Standard Garmin G1000 Avionics Package-continued				
	a.) Garmin dual GIA 63 Integrated Avionics Unit system installation-continued				
	6.) Dual GPS antenna installation-continued				
	c.) Garmin GA 35 GPS antenna (GPS #2), Piper PS50040-18-9, Piper code number 683-745	☒	0.47	150.25	70.43
	d.) GPS #2 antenna cable and hardware, Piper drawing 105550-002	☒	1.14	134.13	152.56
	b.) Dual Garmin GRS77 Attitude and Heading Reference System (AHRS) installation, Piper drawing 105550-002				
	1.) Garmin GRS77 AHRS #1, Garmin part number 010-00295-10, Piper PS50193-5, Piper code number 602-326	☒	2.77	158.30	438.49
	2.) Garmin GRS77 AHRS #1 installation hardware, Piper drawing 105550-002	☒	0.71	158.30	112.36
	3.) Garmin GRS77 AHRS #2, Garmin part number 011-00868-10, Piper PS50193-5, Piper code number 602-326	☒	2.77	158.30	438.49
	4.) Garmin GRS77 AHRS #2 installation hardware, Piper drawing 105550-002	☒	0.71	158.30	112.36
	c.) Garmin GTX 33 transponder installation, Piper drawing 105550-002				
	1.) Garmin GTX 33 ^{GTX335R} transponder unit, Garmin part number 010-00267-10, Piper PS50193-8, Piper code number 602-329	☒	3.06	108.00	330.48
	2.) Garmin GTX 33 ^{GTX335R} installation kit, Piper PS50194-13, Piper code number 652-622	☒	0.78	108.00	84.24
	3.) Garmin transponder antenna, Garmin part number 010-10160-00, Piper code number 683-724	☒	0.22	104.00	23.09
	4.) Harness, doubler, and hardware, Piper drawing 105550-002	☒	0.78	107.20	83.52
	d.) Dual Garmin GMA 347 audio panel installation, Piper drawing 105550-002				
	1.) Garmin GMA 347 audio panel, Garmin part number 190-00325-01, Piper PS50193-21, Piper code number 602-449	☒	1.77	113.11	200.20
	2.) Garmin GMA 347 installation kit, Piper PS50194-5, Piper drawing 105550-002, Piper code number 652-512	☒	0.78	113.00	88.14
	3.) Marker beacon antenna, Piper PS50040-15-10, Piper code number 597-893	☒	0.45	236.50	107.37
	4.) Marker beacon antenna cable and hardware, Piper drawing 105550-002	☒	1.55	115.39	179.00
	e.) Dual Garmin GDU 1040A primary flight display installation, Piper drawing 105550-002				
	1.) Garmin GDU 1040A primary flight display - Copilot, Garmin part number 010-00320-00, Piper PS50193-10, Piper code number 601-419	☒	6.34	115.00	729.10
	2.) Garmin GDU 1040 installation hardware and brackets, Piper PS50194-2, Piper part number 652-509	☒	0.23	115.00	25.88
	3.) Garmin GDU 1040A primary flight display - Copilot, Garmin part number 010-00320-00, Piper PS50193-10, Piper code number 601-419	☒	6.34	115.00	729.10



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(I) Garmin G1000 Avionics System					
117	Standard Garmin G1000 Avionics Package-continued				
	e.) Dual Garmin GDU 1040A primary flight display installation-continued				
	4.) Garmin GDU 1040 installation hardware and brackets, Piper PS50194-2, Piper part number 652-509	☒	0.23	115.00	25.88
	f.) Garmin GDU 1500 multi-function display installation, Piper drawing 105550-002				
	1.) Garmin GDU 1500 multi-function display, Garmin part number 010-00387-00, Piper PS50193-11, Piper code number 601-420	☒	8.40	115.00	966.00
	2.) Garmin GDU 1040 installation hardware and brackets, Piper PS50194-2, Piper part number 652-509	☒	0.23	115.00	25.88
	g.) Dual Garmin GMU 44 magnetometer, Piper drawing 105550-002				
	1.) Garmin GMU 44 magnetometer #1, Garmin part number 010-00296-00, Piper PS50193-6, Piper code number 602-327	☒	0.34	293.61	99.83
	2.) Garmin GMU 44 magnetometer #2, Garmin part number 010-00296-00, Piper PS50193-6, Piper code number 602-327	☒	0.34	293.61	99.83
	3.) Garmin GMU 44 magnetometer installation hardware and harnesses, Piper drawing 105550-002	☒	0.77	288.75	222.47
	h.) Dual Garmin GDC 74A Air Data Computer installation, Piper drawing 105550-002				
	1.) Garmin GDC 74A Air Data Computer #1, Garmin part number 010-00336-10, Piper PS50193-7, Piper code number 602-328	☒	1.59	110.22	175.25
	2.) Garmin GDC 74A Air Data Computer installation hardware kit #1, Piper PS50194-16, Piper code number 652-625	☒	0.73	110.00	80.30
	3.) Garmin GDC 74A Air Data Computer #2, Garmin part number 010-00336-10, Piper PS50193-7, Piper code number 602-328	☒	1.59	110.22	175.25
	4.) Garmin GDC 74A Air Data Computer installation hardware kit #2, Piper PS50194-16, Piper code number 652-625	☒	0.73	110.00	80.30
	i.) Garmin GEA 71 Engine Airframe Interface installation, Piper drawing 105550-002				
	1.) Garmin GEA 71 Engine Airframe Interface, Garmin part number 010-00283-00, Piper PS50193-3, Piper code number 602-324	☒	0.83	112.00	92.96
	2.) Garmin GEA 71 Engine Airframe Interface installation hardware kit, Piper PS50194-4, Piper code number 652-511	☒	1.68	112.00	188.16
	j.) Garmin CHiPS Cable Conduit installation, Piper drawing 105550-002				
	1.) Garmin CHiPS #1 Cable Conduit, Garmin part number 011-00890-00, Piper PS50194-1, Piper code number 652-508	☒	0.28	112.00	31.36
	2.) Garmin CHiPS #1 Cable Conduit installation hardware, Piper drawing 105550-002	☒	0.40	112.00	44.80
	3.) Garmin CHiPS #2 Cable Conduit, Garmin part number 011-00890-00, Piper PS50194-1, Piper code number 652-508	☒	0.28	112.00	31.36
	4.) Garmin CHiPS #2 Cable Conduit installation hardware, Piper drawing 105550-002	☒	0.40	112.00	44.80



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(I) Garmin G1000 Avionics System					
117	Standard Garmin G1000 Avionics Package-continued				
	k.) Avionics Cooling system installation, Piper drawing 105550-002				
	1.) Avionics cooling fans (3), Sandia part number SAFE328, Piper code number 460-124	☒	1.94	110.00	213.68
	2.) Avionics cooling fan, Sandia part number SAFE528, Piper code number 460-126	☒	1.13	110.00	124.03
	3.) Cooling fan installation hardware and hoses, Piper drawing 105550-002	☒	0.87	112.99	97.87
	l.) Avionics system installation hardware and harnesses, Piper drawing 105550-002	☒	2.56	142.69	364.74
	m.) Garmin Autopilot installation, Piper drawing 105550-002				
	1.) Garmin GMC 710 Autopilot Controller, Piper PS50193-14, Piper code number 602-423	☒	0.80	113.00	90.68
	2.) Garmin GMC 710 Install Kit, Piper PS50194-17, Piper code number 652-526	☒	0.13	110.22	14.60
	3.) Garmin GCU 476 Remote FMS Controller, Piper PS50193-13, Piper code number 602-422	☒	0.23	126.00	29.48
	4.) Garmin GCU 476 Install Kit, Piper PS50194-15, Piper code number 652-624	☒	0.72	126.00	90.85
	5.) Garmin GSA 81 Autopilot servo (Roll), Piper PS50193-17, Piper code number 602-433	☒	2.20	180.00	396.36
	6.) Garmin GSA 81 Install Kit and hardware, Piper PS50194-19, Piper drawing 105550-002	☒	1.43	180.00	257.79
	7.) Garmin GSA 81 Autopilot servo (Pitch), Piper PS50193-17, Piper code number 602-433	☒	2.20	243.50	536.19
	8.) Garmin GSA 81 Install Kit and hardware, Piper PS50194-19, Piper drawing 105550-002	☒	1.85	234.43	432.59
	9.) Garmin Anti-Icing servo (Yaw), Piper PS50193-18, Piper code number 602-434	☒	4.45	295.00	1312.16
	10.) Garmin GSA 81 Install kit, Piper PS50194-19, Piper code number 652-631	☒	2.80	295.00	826.00
	n.) Garmin GAE 43 Altitude Data System, Piper PS50193-16, Piper code number 602-427	☒	0.79	113.00	89.27
	o.) Safe Flight Instrument Lift Computer, Vendor part number C-52806-2, Piper code number 599-161	☒	1.80	265.80	478.44
	p.) Standby Flight Instruments, Piper drawing 105550-002				
	1.) United Instruments 3 inch Standby Airspeed Indicator, Piper code number 599-176	☒	0.70	117.00	81.9
	2.) United Instruments 3 inch Standby Altimeter, Piper code number 602-704	☒	1.95	117.00	228.15
	3.) Mid-Continent Instruments 3 inch Standby Attitude Indicator, Piper code number 602-319	☒	3.70	113.00	418.1
	q.) Electrical harnesses and other components, Piper drawing 105550-002	☒	6.63	115.00	762.45
	r.) Garmin G1000 structural installation delta weight, Piper drawing 89600, 82218, and 106469	☒	11.21	172.20	1930.61
	s.) Garmin G1000 ice protection system installation delta weight, Piper drawing 104602	☒	1.25	80.00	100.00

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PIPER AIRCRAFT, INC.

PA-46-350P, MIRAGE
EQUIPMENT LIST
S/N 4636473 and UP

Item No.	Item	Mark if Option Installed	Weight (Pounds)	Arm (In.) Aft Datum	Moment (Lbs.-In.)
(I) Garmin G1000 Avionics System					
117	Standard Garmin G1000 Avionics Package-continued Removed Standard Avidyne Entegra Avionics Package (Avidyne avionics package, autopilot, radar pod) Garmin G1000 System delta weight		-153.97 -28.29	145.97 147.49	-22475.7 -4172.51
118	Garmin GWX 68 Weather Radar installation, Piper drawing 105550-011, (Marketing option 268) a.) Garmin GWX 68 Weather Radar, Piper PS50193-12, Piper code number 601-421 b.) Garmin GWX 68 installation kit and hardware Garmin GWX 68 Weather Radar installation weight	☒ ☒	8.77 0.32 9.09	144.00 144.00 144.00	1262.59 45.65 1308.96
119	Garmin GTX 33 transponder installation #2, Piper drawing 105550-005, (Marketing option 630) a.) Garmin GTX 33 transponder unit #2, Garmin part number 011-00779-10, Piper drawing 105550-006, Piper PS50193-8, Piper code number 602-329 b.) Garmin transponder antenna #2, Garmin part number 010-10160-00, Piper drawing 105550-005, Piper code number 683-724 c.) Harness, backing plate, and hardware, Piper drawings 105550-005 Garmin GTX 33 transponder #2 installation weight	☐ ☐ ☐	3.06 0.22 1.70 4.98	108.00 104.00 108.03 107.83	330.48 23.09 183.15 536.72
121	Honeywell KR-87 ADF system installation (single), Piper drawing 105550-006, G1000 system only, (Marketing option 524) a.) Honeywell International KR-87 ADF receiver, Piper PS50040-20-17, Piper code number 601-203 b.) Honeywell International KA-44B antenna, Piper PS50040-20-13, Piper code number 598-184 c.) Harness and hardware, Piper drawing 105550-006 Honeywell KR-87 ADF system installation (single) weight	☐ ☐ ☐	3.20 4.20 0.10 7.50	114.00 203.38 129.19 164.24	364.80 854.18 12.81 1231.79
123	Honeywell International KN-63 DME system installation, Piper drawing 105550-007, G1000 system only, (Marketing option 563) a.) Honeywell International KN-63 DME system, Piper PS50040-17-13 1.) Honeywell International KN-63 DME transceiver, Honeywell International part number 066-01070-0001, Piper code numbers 598-159 2.) Honeywell International KA-61 antenna, Honeywell International part number 071-00221-0010, Piper code number 683-739 b.) Harness and hardware, Piper drawings 105550-007 Honeywell International KN-63 DME system installation weight	☐ ☐ ☐	2.80 0.34 1.63 4.77	113.00 167.75 167.17 135.45	316.40 57.79 272.54 646.73



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Item No.	Item	Mark if Option Installed	Weight (Pounds)	Arm (In.) Aft Datum	Moment (Lbs.-In.)
(I) Garmin G1000 Avionics System					
124	Honeywell Bendix/King KTA-870 Traffic Advisory System installation, Piper drawing 105550-008, G1000 system only				
	a.) Honeywell Bendix/King KTA-870 TAS Processor, Honeywell Bendix/King part number 066-01152-0101, Piper PS50208-1-001, Piper code number 600-521	☒	8.75	263.08	2301.95
	b.) Honeywell KA 815 Directional Antenna, Piper PS50208-1-002, Piper code number 683-731	☒	1.55	168.05	259.92
	c.) Coax assemblies and hardware, Piper drawing 105550-008	☒	5.92	172.69	1022.78
	KTA-870 Traffic Advisory System installation weight		16.22	221.00	3584.65
125	L-3 Communications WX-500 Stormscope system installation, Piper drawing 105550-010, Garmin G1000 system only				
	1.) L-3 Communications WX-500 Stormscope system kit, L-3 Communications part number 830-11500-002, Piper code number 601-225				
	a.) L-3 Communications WX-500 Stormscope processor, L-3 Communications part number 805-11500-001, Piper code number 601-226	☒	1.70	263.08	447.24
	b.) L-3 Communications WX-500 NY163 Stormscope antenna, L-3 Communications part number 805-10930-001, Piper code number 683-728	☒	0.81	218.62	177.08
	c.) L-3 Communications WX-500 Stormscope antenna cable, L-3 Communications part number 803-10950-005, Piper code number 652-103	☒	0.39	247.10	95.13
	d.) L-3 Communications WX-500 Stormscope installation kit, L-3 Communications part number 817-11500-001, Piper code number 601-227	☒	1.03	245.08	251.73
	2.) Cable, harness, bracket and hardware, Piper drawings 105550-010	☒	3.41	193.10	658.58
	WX-500 Stormscope system installation weight		7.34	222.04	1629.76
126	Garmin TAWS Unlock, Garmin G1000 system only, Piper drawing 105550-019				
	a.) Garmin TAWS, software change only	☒	-	-	-
127	Garmin GDL 69A Datalink installation, Piper drawing 105550-009, G1000 system only, (Marketing option 269)				
	a.) Garmin GDL 69A Datalink, Piper PS50193-9, Piper code number 601-252	☒	2.52	110.00	277.20
	b.) Coax assembly and hardware, Piper drawing 105550-009	☒	2.73	147.22	401.65
	Garmin GDL 69A Datalink system installation weight		5.25	129.35	678.85
131	Jeppesen Chart View, Garmin G1000 system only, Piper drawing 105550-018, (Marketing option 235)				
	a.) Jeppesen Chart View (software change only)	☒	-	-	-



PIPER AIRCRAFT, INC.

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EQUIPMENT LIST
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Item No.	Item	Mark if Option Installed	Weight (Pounds)	Arm (In.) Aft Datum	Moment (Lbs.-In.)
(J) Miscellaneous (Optional Equipment)					
143	Crew optional oxygen system installation (cabinet installation), Piper drawing 89722-002				
	a.) Oxygen bottle (charged), Avox Systems part number SCT 803519-01, Piper drawing 89722-002, Piper code number 479-406	☐	7.29	154.36	1125.30
	b.) Oxygen masks, Avox Systems part number SCT 28313-12, Piper drawing 89722-002, Piper code number 479-407	☐	1.60	153.61	245.78
	c.) Brackets and installation hardware, Piper drawing 89722-002	☐	2.14	154.10	329.13
	Crew optional oxygen system installation weight		11.03	154.20	1700.21
END FACTORY INSTALLED OPTIONS					
TOTAL OPTIONAL EQUIPMENT			<u>9.6</u>	<u>315.5938</u>	<u>3029.7</u>
END OF ORIGINAL EQUIPMENT INSTALLATION					