

For all pages of Chart A :

- ✓ means installed on the helicopter
- ○ means not installed on the helicopter

### CHART A – EQUIPMENT LIST (STANDARD)

Report 109-07-06

RECORD OF CHECKING

(Date and Signature)

ITEM NUMBER	POWER PLANT SYSTEM		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter		Chart C entry	
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry
1	250-C20B Allison	Engine	2	72.23	4373	315,862	✓	✓	✓	✓	✓
2	109-0619-15-11	Oil cooler and fan assembly	2	8.2	5385	44,157	✓	✓	✓	✓	✓
3	SYLC 9548-1 Barber Coleman	Actuator (RPM drop compensation)	1	0.897	2546	2284	✓	✓	✓	✓	✓
4	SYLC 9548-1 Barber Coleman	Actuator (Engine matching)	1	0.897	4209	3775	✓	✓	✓	✓	✓
5	DR 1730M7 Nash Controls	Actuator, Anti-ice	2	0.295	4248	1253	○	○	○	○	○
5A	67A258 Globe Ind.	Actuator, Anti-ice	2	0.295	4248	1253	✓	✓	✓	✓	✓
6	3001-38-450/170C-3.6M Systrom - Donner	Fire detector	2	0.165	4970	820	✓	✓	✓	✓	✓
7	23032-020 Lear Siegler	Starter-generator	2	7.670	4340	33,288	○	○	○	○	○
7A	23032-028 Lear Siegler	Starter-generator	2	7.670	4340	33,288	✓	✓	✓	✓	✓
7B	150 SG 111Q A.P.C.	Starter-generator	2	7.670	4340	33,288	○	○	○	○	○
7C	150 SG 117Q A.P.C.	Starter-generator	2	7.670	4340	33,288	○	○	○	○	○
8	22A649 Globe Ind.	Tachometer generator	4	0.350	4195	1468	○	○	○	○	○
8A	A5068110302 Kollsman	Tachometer generator	4	0.350	4195	1468	○	○	○	○	○
8B	109-0600-71-1	Tachometer generator	4	0.350	4195	1468	✓	✓	✓	✓	✓

16 NOV 1986  
 9/11/86  
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C-TKNT  
 N1091A

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MODEL : A109A II

REGISTRATION MARKS

S/N 7325

CHART A – EQUIPMENT LIST (STANDARD)

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(Date and Signature)

PAGE 2 of 23      MODEL : A 109A II      REGISTRATION MARKS ~~11001A~~ <sup>G-TKNT</sup>      S/N 7325

16 NOV 85  
9/1/86  
065109 57  
23.01.08

ITEM NUMBER	TRANSMISSION AND ROTORS		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter		Chart C entry	
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry
101	109-0101-01- <del>5</del> -111	Main rotor hub assembly	1	123.3	3362	414,535	✓	✓	✓		
102	109-0101-06-3	Damper assembly	4	3.626	3362	12,191	✓	✓	✓		
103	109-0103-01-9	Main rotor blade	4	30.54	3362	102,675	✓	✓	✓		
104	109-0131-02-19	Tail rotor hub and blade assembly	1	8.29	9930	83,320	✓	✓	✓		
105	109-0400-02-5	Main transmission assembly	1	145.0	3524	510,980	✓	✓	✓		
106	109-0401-09-1	Engine to transmission driveshaft assembly	2	1.315	3995	5250	○	○	○		
106A	109-0405-22-103	Engine to transmission driveshaft assembly	2	0.800	3995	3196	✓	✓	✓		
107	109-0440-01-13	Tail rotor (90°) gear box	1	10.43	9900	103,257	✓	✓	✓		
108	109-0401-11-5	Oil filter	1	1.475	3763	5550	✓	✓	✓		
109	22A649 Globe Ind.	Tachometer generator	1	0.350	3395	1188	○	○	○		
109A	A5068110302 Kollsman	Tachometer generator	1	0.350	3395	1188	○	○	○		
109B	109-0600-71-1	Tachometer generator	1	0.350	3395	1188	✓	✓	✓		
110	X137185 Borg Warner	Freewheeling assembly	2	0.185	3824	707	✓	✓	✓		

CHART A – EQUIPMENT LIST (STANDARD)

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MODEL : A 109A II

REGISTRATION MARKS

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A-TXNT  
1109BA

S/N 7325

16 NOV 1985  
9/11/85  
WEL ELSI 09/37  
23.01.08

ITEM NUMBER	FUEL SYSTEM		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter		Chart C entry	
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry
201	109-0611-02- <del>1719</del>	Fuel tank (System no. 1)	1	6.450	3660	23,607	✓	✓	✓		
202	109-0611-02- <del>1816</del>	Fuel tank (System no. 2)	1	6.450	3660	23,607	✓	✓	✓		
203	109-0611-46-3	Anti-ice fuel filter (System no. 1)	1	0.825	3734	3080	✓	✓	✓		
204	109-0611-48-4	Anti-ice fuel filter (System no. 2)	1	0.825	3734	3080	✓	✓	✓		
205	109-0611-53-1	Fuel boost pump	2	1.515	3403	5155	✓	✓	✓		
206	109-0611-53-1	Fuel boost pump	2	1.515	3223	4883	✓	✓	✓		

CHART A – EQUIPMENT LIST (STANDARD)

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PAGE 4 of 23      MODEL : A 109A II      REGISTRATION MARKS ~~N1091A~~ <sup>C-TKNT</sup>      S/N 7325

16 NOV 85  
9/11/86  
16Z-085109-57  
23.01.08

ITEM NUMBER	SERVO HYDRAULIC SYSTEM		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION							
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry	
301	109-0110-42-4	Main rotor – Servo hydraulic cylinder (Red)	1	4.600	3390	15,594	✓	✓		✓				
302	109-0110-42-5	Main rotor – Servo hydraulic cylinder (Yellow)	1	4.600	3637	16,730	✓	✓		✓				
303	109-0110-42-6	Main rotor – Servo hydraulic cylinder (Blue)	1	4.600	3170	14,582	✓	✓		✓				
304	109-0040-51- <del>A/103/105</del>	Tail rotor – Servo hydraulic cylinder	1	1.800	5876	10,517	✓	✓		✓				
305	109-0760-41-1	Valve and filter assembly	2	8.394	2800	25,503	✓	✓		✓				
306	109-0760-37-1	Self regulating pump	2	1.570	3470	5448	✓	✓		✓				

CHART A – EQUIPMENT LIST (STANDARD)

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PAGE 5 of 23		MODEL : A109AII		REGISTRATION MARKS <del>WLO9LA</del> C-TXNF		S/N 7325		16 NOV 85					
ITEM NUMBER	UTILITY HYDRAULIC SYSTEM AND LANDING GEAR		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgrm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION											
401	109-0512-70-1	Accumulator assembly	1	3.700	490	1813	✓	✓					
402	109-0512-43-3	Landing gear control assembly	1	1.33	936	1245	✓	✓					
403	109-0500-18-1	Main landing gear actuator	2	3.620	4234	15,327	✓	✓					
404	109-0500-10-3	Nose landing gear actuator	1	2.030	1000	3030	✓	✓					
405	109-0512-46-1	Hydraulic lock, main landing gear	2	0.364	4234	1541	✓	✓					
406	109-0512-46-1	Hydraulic lock, nose landing gear	1	0.364	830	302	✓	✓					
407	109-0500-15-1	Nose landing gear wheel	1	2.503	700	1752	✓	✓					
408	109-0500-16-3	Main landing gear wheel	2	2.611	4234	11,055	✓	✓					
409	109-0500-14-1	Main landing gear brake assembly (left)	1	1.970	4234	8341	✓	✓					
410	109-0500-14-2	Main landing gear brake assembly (right)	1	1.970	4234	8341	✓	✓					
411	109-0502-53-1/104	Main landing gear shock strut assembly (left)	1	9.620	4234	40,731	✓	✓					
411A	109-0502-53-103/105	Main landing gear shock strut assembly (left)	1	10.970	4234	45,685	○	○					
412	109-0502-53-2/104	Main landing gear shock strut assembly (right)	1	9.620	4234	40,731	✓	✓					
412A	109-0502-53-104/106	Main landing gear shock strut assembly (right)	1	10.790	4234	45,685	○	○					
413	109-0501-28-1	Nose landing gear shock strut assembly	1	11.900	618	7354	✓	✓					
414	360 x 135-6/12PR Kleber-Colombes	Tire, main landing gear wheel	2	5.000	4234	21,170	✓	✓					
414A	V1511 Dunlop	Tire, main landing gear wheel	2	5.000	4234	21,170	○	○					

9/11/85  
23.01.08



CHART A – EQUIPMENT LIST (STANDARD)

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PAGE 7 of 23		MODEL : A 109A II		REGISTRATION MARKS <sup>A-TKNT</sup> <del>NIC9EA</del>	S/N 7325		16 NOV 85 9/11/88 025/09-57 23.01.08							
ITEM NUMBER	ELECTRICAL SYSTEM			QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION												
501	109-0729-43-1	"Master Caution" light		2	0.045	957	43	✓	✓		✓			
502	109-0729-43-3	"Master warning" light		2	0.045	957	43	✓	✓		✓			
503	109-0729-11-1	"Rotor RPM" light		1	0.023	965	22	✓	✓		✓			
504	109-0729-12-1	Landing light		2	0.350	- 80	- 28	✓	✓		✓			
505	109-0729-31-9	Warning caution panel		1	4.065	925	3760	✓	✓		✓			
505A	109-0729-31-109	Warning caution panel		1	4.065	925	3760	0	0		0			
506	27662-21 Marathon	Battery (13 A/h)		1	12.00	565	6780	0	0		0			
507	51509-002 R Lear Siegler	Generator control unit		1	1.250	274	342	✓	✓		✓			
508	51509-002 R Lear Siegler	Generator control unit		1	1.250	394	492	✓	✓		✓			
509	03-1101-0000 Flight Components	Anti-collision light		1	0.180	4212	758	✓	✓		✓			
510	03-1101-0000 Flight Components	Anti-collision light		1	0.180	7004	1261	✓	✓		✓			
511	109-0743-05-1	Battery overtemperature sensor		1	0.100	565	56.5	✓	✓		✓			
512	SC 628 P Sonalert	Warning horn		1	0.055	2039	112	✓	✓		✓			
513	109-0729-11-3	"Eng 1 low" light		1	0.023	965	22	✓	✓		✓			
514	109-0729-11-5	"Eng 2 low" light		1	0.023	965	22	✓	✓		✓			
515	109-0020-86-1	Actuator assy, helip. lat. cyclic		1	1.830	2200	4026	✓	✓		✓			
516	109-0020-86-3	Actuator assy, helip. long. cyclic		1	1.830	2100	3843	✓	✓		✓			
517	109-0040-55-3	Actuator assy, helip. tail rotor		1	0.870	5650	4915	✓	✓		✓			



CHART A – EQUIPMENT LIST (STANDARD)

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MODEL : A 109A II

REGISTRATION MARKS

C-TRKNT  
NESEA

S/N 7325

16 NOV 85  
9/1184 462  
02.5.109-57  
23.01.08

ITEM NUMBER	INSTRUMENTS		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter		Chart C entry	
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry
601	109-0512-18-3	Indicator, utility hydraulic pressure (normal)	1	0.047	1002	47	✓	✓	✓		
602	109-0512-18-4	Indicator, utility hydraulic pressure (emerg.)	1	0.045	1044	47	✓	✓	✓		
603	109-0729-38-3	Indicator, voltmeter, DC	1	0.454	955	434	✓	✓	✓		
604	109-0729-39-1	Indicator, ammeter, dual DC	1	0.454	955	434	✓	✓	✓		
605	109-0729-26-3	Indicator, trans. oil temperature and pressure	1	0.454	927	421	✓	✓	✓		
606	109-0729-27-3	Indicator, engine oil temperature and pressure	2	0.908	941	854	✓	✓	✓		
607	109-0729-28-3	Indicator, fuel pressure	2	0.544	955	520	✓	✓	✓		
608	109-0729-29-3	Indicator, servo hydraulic pressure	2	0.610	955	583	✓	✓	✓		
609	109-0729-30-3	Indicator, dual torque	1	0.538	932	501	✓	✓	✓		
610	109-0729-08-5	Indicator, gas producer tachometer	2	1.633	912	1489	✓	✓	✓		
611	109-0729-09-3	Indicator, airspeed (Knots)	1	0.454	906	411	✓	✓	✓		
612	109-0729-32-7	Indicator, turbine outlet temperature	2	0.504	927	467	✓	✓	✓		
613	109-0730-16-1	Indicator, triple tachometer	1	0.942	910	857	✓	✓	✓		
614	109-0729-23-1	Indicator, fuel quantity (Kg)	1	0.350	912	319	✓	✓	✓		
615	109-0702-14-12	Magnetic compass	1	0.420	1053	442	✓	✓	✓		
616	ABU-11A	Clock	1	0.250	981	245	✓	✓	✓		
617	MS2802B-1	Indicator, temperature (O.A.T.)	1	0.070	1320	92	✓	✓	✓		

CHART A – EQUIPMENT LIST (STANDARD)

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*N109LA*      S/N 7325

*16 NOV 85*  
*9/11/86*  
*CRS/09-57*  
*6/5/02*  
*2301.08*

ITEM NUMBER	INSTRUMENTS (Cont.)		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION						
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
618	101420-11225 Aerosonic - Hg	Encoding altimeter	1	0.625	928	580	0	0	X	0	0	0	0
	101420-11226 Aerosonic-Mb	Encoding Altimeter	1	0.625	928	580	0	0	0	0	0	0	0

CHART A – EQUIPMENT LIST (STANDARD)

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MODEL : A 109A II

REGISTRATION MARKS ~~HELOSTA~~ <sup>C-TRNT</sup>

S/N 7325

16 NOV 85

9/11/86 *BY*

025105-57

230608

ITEM NUMBER	MISCELLANEOUS EQUIPMENT		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION											
701	109-0700-78	Seat, pilot	1	5.170	1650	8530	✓	✓		✓			
701A	109-0700-82	Seat, pilot	1	6.000	1650	9900	○	○		○			
701B	109-0712-90	Seat, pilot	1	6.500	1650	10,725	○	○		○			
702	109-0700-78	Seat, passenger/copilot	1	5.170	1650	8530	✓	✓		✓			
702A	109-0700-82	Seat, passenger/copilot	1	6.000	1650	9900	○	○		○			
702B	109-0712-90	Seat, passenger/copilot	1	6.500	1650	10,725	○	○		○			
703	109-0700-16	Seat, central row, passengers (three places, front facing)	1	13.500	2485	33,547	○	○		○			
703A	109-0700-22	Seat, central row, passengers (three places, front facing)	1	11,500	2485	28,577	○	○		○			
703B	109-0700-45	Seat, central row, passengers (three places, aft facing)	1	16,500	2390	39,435	○	○		○			
703C	109-0700-87	Seat, central row, passengers (two places, aft facing)	1	27,300	2237	61,070	○	○		○			
703D	109-0700-88	Seat, central row, passengers (two places, aft facing)	1	27,500	2237	61,517	○	○		○			
703E	109-0712-86	Seat, central row, passengers (two place, aft facing)	1	26.000	2187	56,862	○	○		○			
703F	109-0712-50	Seat, central row, passengers (three places, aft facing)	1	18.000	2390	43,020	○	○		○			
703G	109-0712-60	Seat, central row, passengers (three places, aft facing)	1	20.000	2237	44,740	○	○		○			
703H	109-0712-70	Seat, central row, passengers (three places, aft facing)	1	32.000	2237	71,584	○	○		○			
704	109-0700-17	Seat, aft row, passengers	1	11.000	3265	35,915	○	○		○			
704A	109-0700-47	Seat, aft row, passengers	1	9.000	3265	29,385	○	○		○			

CHART A + EQUIPMENT LIST (STANDARD)

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MODEL : A 109A II

REGISTRATION MARKS *Q-TKNT*  
~~N109LA~~

S/N 7325

*16 NOV 85*  
*9/1/86 HEL*  
*CES/07 57*  
*23.01.08*

ITEM NUMBER	MISCELLANEOUS EQUIPMENT (Cont.)		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION											
704B	109-0700-89	Seat, aft row, passengers	1	15.000	3265	48,975	0	0		0			
704C	109-0712-69	Seat, aft row, passengers	1	24.000	3265	78,360	0	0		0			
704D	109-0712-89	Seat, aft row, passengers	1	15.000	3265	48,975	0	0		0			
704E	109-0712-85	Seat, aft row, passengers	1	11.500	3265	37,547	0	0		0			
704F	109-0712-82	Seat, aft row, passengers (two seats)	1	20.500	3265	66,932	0	0		0			
705	109-0700-21	Safety belt, pilot	1	0.650	1650	1073	0	0		0			
705A	109-0700-74	Safety belt, pilot	1	0.650	1650	1073	0	✓		✓			
706	109-0700-21	Safety belt, passengers/copilot	1	0.650	1650	1073	0	0		0			
706A	109-0700-74	Safety belt, passengers/copilot	1	0.650	1650	1073	0	✓		✓			
707	109-0700-21	Safety belt, central row, passengers	2	0.650	2485	1615	0	0		0			
707A	109-0700-74	Safety belt, central row, passengers	3	0.650	2485	1615	0	✓		✓			
708	109-0700-21	Safety belt, aft row, passengers	3	0.650	3265	2122	0	0		0			
708A	109-0700-74	Safety belt, aft row, passengers	3	0.650	3265	2122	0	✓		✓			
709	109-0700-95-1	Ashtray installation	1	0.300	1320	396	✓	✓		✓			
710	109-0700-95-3	Ashtray installation	2	0.250	1900	475	0	0		0			
711	109-0700-95-5	Ashtray installation	2	0.250	2729	682	0	0		0			
712	109-0700-95-7	Ashtray installation	2	0.250	2729	682	0	0		0			



CHART A – EQUIPMENT LIST (OPTIONAL)

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MODEL : A109AII

REGISTRATION MARKS ~~ME001A~~ G-TKNT

S/N 7325

16 NOV 1985  
9/11/86 per  
RES/09/57  
22-10  
23.01.86

ITEM NUMBER	AUXILIARY EQUIPMENT		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION							
	P/N	DENOMINATION					In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry		
801	109-0810-63-1	Rotor brake	1	3,200	3884	12,429	✓	✓	✓	✓	✓	✓		
802	109-0810-01-7	Dual controls	1	3,100	1550	4805	✓	✓	✓	✓	✓	✓		
803	109-0810-04-1	Windshield wiper, pilot	1	2,600	600	1560	✓	✓	✓	✓	✓	✓		
804	109-0810-04-3	Windshield wiper, copilot	1	2,600	600	1560	✓	✓	✓	✓	✓	✓		
805	109-0810-06-1	Engine hourmeter	1	0,400	672	251	✓	✓	✓	✓	✓	✓		
806	109-3101-18-7	Tracking provision	1	0,300	3362	1009	✓	✓	✓	✓	✓	✓		
807	109-0810-07-1	Battery (22 A/h)	1	21,300	565	12,034	✓	✓	✓	✓	✓	✓		
808	109-0810-09-23	Bleed air heater	1	10,380	2964	30,766	✓	✓	0	0	0	0		
809	109-0810-09-25	Environmental control system	1	23,600	2922	68,959	0	0	0	0	0	0		
809A	109-0810-79-105	Environmental control system	1	26,100	2922	76,264	0	0	✓	✓	✓	✓		
810	109-0810-11-1	Cabin fire extinguisher	1	2,150	1633	3511	✓	✓	✓	✓	✓	✓		
811	109-0810-05-1	Shoulder harness and inertia reel, pilot	1	1,185	1850	2192	✓	✓	✓	✓	✓	✓		
812	109-0810-05-3	Shoulder harness and inertia reel, copilot	1	1,185	1850	2192	✓	✓	✓	✓	✓	✓		
813	109-0810-25-15	Snow skid	1	30,859	3255	100,446	0	0	0	0	0	0		
814	109-0810-55-103	Engine compartment fire extinguishers	1	8,532	5703	48,658	0	0	0	0	0	0		
815	109-0810-33-5	Particle separator engine air induction system	1	6,242	3772	23,545	0	0	0	0	0	0		
816	109-0810-10-7	Longitudinal litter kit	1	35,622	2571	91,584	0	0	0	0	0	0		

CHART A – EQUIPMENT LIST (OPTIONAL)

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MODEL : A109AII

REGISTRATION MARKS ~~N109EA~~ <sup>GUTKANT</sup>

S/N 7325

16 NOV 1985  
9/1/84 B22  
025109 57  
23.01.08

ITEM NUMBER	AUXILIARY EQUIPMENT (Cont.)		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION											
816A	109-0810-73-101	Transversal litter kit	1	41.000	2417	99,097	0	0		0			
816B	109-0810-84-101	E.M.S. Kit (Emergency Medical Service)	1	75.590	2257	170,606	0	0		0			
816C	109-0810-84-103	E.M.S. Kit (Emergency Medical Service)	1	79.850	2264	180,780	0	0		0			
817	109-0810-23-7	Emergency floats installation	REF	-	-	-	1	1		1			
-	109-0854-38-1	- Emergency floats provision	1	14.500	4258	61,741	0	0		0			
-	109-0850-41-63	- Emergency floats structural provision	1	9.000	4735	42,615	0	0		0			
-	109-0810-23-3/5/6	- Floats	4	115.500	3543	409,216	0	0		0			
817A	109-0810-75-101	Emergency floats installation	REF	-	-	-	1	1		1			
-	109-0854-38-1	- Emergency floats provision	1	14.500	4258	61,741	0	0		0			
-	109-0850-41-63	- Emergency floats structural provision	1	9.000	4735	42,615	0	0		0			
-	109-0715-01-101/102/103/104	- Floats	4	56.000	3543	198,408	0	0		0			
818	109-0703-92-1	Survival equipment provision	1	-	-	-	0	0		0			
818A	109-0703-92-103	Survival equipment provision	1	0.350	2180	763	0	0		0			
818B	109-0703-92-105	Survival equipment provision	1	0.700	2180	1526	0	0		0			
819	109-0810-50-1	First aid kit	1	0.550	3075	1691	0	0		0			
820	109-0810-51-1	Check list holder	1	0.130	1820	236	0	0		0			
821	109-0851-02-1	Modified nose	1	0.5	-140	-70	0	0		0			

CHART A1 - EQUIPMENT LIST (OPTIONAL)

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ITEM NUMBER	AUXILIARY EQUIPMENT (Cont.)		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION											
822	109-0820-40-5	Hydraulic system accumulators	1	2.000	2900	5,800	✓	✓		✓			
823	109-0810-48-1	Cargo compartment light	1	0.300	4860	1488	✓	✓		✓			
824	109-0810-47-1	Altimeter (millibar scale)	1	0.903	950	858	0	0		0			
825	109-0810-49-5	Flare launcher	1	3.500	4835	16,922	0	0		0			
826	109-0810-31-7	Cargo hook installation	REF	-	-	-	1	1		1			
-	109-0854-51-1	- Cargo hook provision	1	3.565	2992	10,699	0	0		0			
-	109-0810-31-11	- Cargo hook assembly and landing gear lock	1	8.675	3415	29,625	0	0		0			
827	109-0810-38-1	Rearview mirror	1	0.975	0.430	0,419	0	0		0			
828	109-0810-15-7	Cargo platform	1	99.300	2578	23,975	0	0		0			
829	109-0810-59-1	Door open actuators, pilots and passengers	1	2.800	1843	5160	✓	✓		✓			
830	109-0810-59-3	Door open actuators, pilots	1	1.400	1392	1949	0	0		0			
831	109-0810-57-1	Sliding doors installation	REF	-	-	-	1	1		1			
-	109-0851-07-104	- Sliding doors provision	1	7.000	2540	17,780	0	0		0			
-	109-0810-57-103	- Sliding doors	1	19.700	2540	50,038	0	0		0			
832	109-0810-72-3	Bulged sliding doors installation	REF	-	-	-	1	1		1			
-	109-0851-07-104	- Bulged sliding doors provision	1	7.000	2540	17,780	0	0		0			
-	109-0810-72-1	- Bulged sliding doors	1	27.000	2540	68,580	0	0		0			

CHART,A - EQUIPMENT LIST (OPTIONAL)

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MODEL : A109AII

REGISTRATION MARKS *CWTKNT*  
~~N109EA~~

S/N 7325

*16 NOV 85*  
*9/11/86 152*  
*CES/09-57*  
*10/02*  
*23.01.08*

ITEM NUMBER	AUXILIARY EQUIPMENT (Cont.)		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter		Chart C entry	
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry
832A	109-0810-72-107	Bulged sliding doors installation	REF	-	-	-	1	1			
-	109-0851-07-104	- Bulged sliding doors provision	1	7.000	2540	17,780	0	0			
-	109-0810-72-105	- Bulged sliding doors	1	33.400	2540	84,836	0	0			
833	109-0713-60-101	Medical equipment endowment	1	25.000	2195	54,875	0	0			
833A	109-0713-60-103	Medical equipment endowment	1	14.800	2195	32486	0	0			
834	109-0810-56-11	Auxiliary fuel tank	1	18.500	4600	85.100	0	0			
835	109-0854-10-1	Antiglare Hood	1	0.400	1096	438	0	0			
836	109-0820-85-103	Wide body	1	-	-	-	1	1			
	<i>109-0820-85-105</i>	<i>Wide body Interior</i>									
	<i>109-0712-94</i>	<i>Seat, Central Row, pass. (Two place)</i>	REF	-	-	-	-	-			
	<i>116AG-0101A1</i>	<i>Left Seat</i>	1	<i>11.200</i>	<i>2237</i>	<i>25.054</i>			1	1	1
	<i>116AG-0102A1</i>	<i>Right Seat</i>	1	<i>10.000</i>	<i>2237</i>	<i>22.370</i>			1	1	1
	<i>3401843000A1</i>	<i>Left Cabinet</i>	1	<i>3.600</i>	<i>2237</i>	<i>80.532</i>			1	1	1
	<i>3401843000A1</i>	<i>Right Cabinet</i>	1	<i>3.600</i>	<i>2237</i>	<i>80.532</i>			1	1	1
	<i>109-0712-93</i>	<i>Seat, Aft Row, Passenger</i>	1	<i>10.700</i>	<i>3265</i>	<i>34.936</i>			1	1	1

CHART A - EQUIPMENT LIST (OPTIONAL)

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16 NOV 85  
9/11/86 M66  
CES 109 27  
23.01.08

ITEM NUMBER	AUXILIARY EQUIPMENT		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter		Chart C entry	
	P/N	DENOMINATION						In helicopter	Chart C entry	In helicopter	Chart C entry
901	109-0810-30-21	Pilot's instruments, navigation	1	13.545	3300	44,698	✓	✓	✓		
902	109-0810-02-13	Copilot's instruments, flight	1	2.338	975	2279	✓	✓	✓		
903	109-0810-02-15	Additional instruments	1	2.250	1020	2295	0	0	0		
904	109-0810-30-19	Copilot's instruments, navigation	1	2.225	975	2169	✓	✓	✓		
905	109-0810-30-3	Attitude Indicator (standby)	1	1.245	928	1155	✓	✓	✓		
* 906	109-0770-16-7	Intercom system	1	2.895	1333	3860	0	0	0		
* 907	109-0770-06-29	VHF/AM VHF 20A (# 2)	1	3.254	370	1204	✓	✓	✓		
* 908	109-0770-06-23	VHF/AM VHF 20A (# 1)	1	3.616	6273	22,683	✓	✓	✓		
* 909	109-0770-10-23	VOR/ILS VIR 31A (# 1)	1	4.086	809	3306	✓	✓	✓		
* 910	109-0770-10-27	VOR/ILS VIR 31A (# 2)	1	4.128	5565	22,972	✓	✓	✓		
* 911	109-0770-17-11	ADF ADF-60A	1	3.994	4901	19,575	✓	✓	✓		
* 912	109-0770-07-9	Transponder TDR 90	1	3.013	808	2434	✓	✓	✓		
913	109-0770-18-11 Up to S/N 7297	Radio altimeter and LGCS	1	6.340	5291	33,545	0	0	0		
* 913A	109-0770-18-117 S/N 7298 and subs.	Radio altimeter and LGCS	1	3.000	5878	17,634	✓	✓	✓		
* 914	109-0770-19-11	DME 40	1	4.290	5095	21,858	✓	✓	✓		
915	109-0770-44-7	Flight director and autotrim	1	4.563	4300	19,620	✓	✓	✓		
916	109-0810-24-15	AFCS Sperry	1	17.882	3379	60,423	✓	✓	✓		

**CHART A – EQUIPMENT LIST (OPTIONAL)**  
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MODEL : A109A II

REGISTRATION MARKS *C-TRKNT*  
~~A109A~~

S/N 7325

*16 NOV 85*  
*9/11/86 bbr*  
*085109-57*  
*23.01.08*

ITEM NUMBER	AUXILIARY EQUIPMENT (Cont.)		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION											
916A	109-0810-24-125	AFCS Sperry Simplex (3 axes)	1	11.620	2750	31,995	0	0		0			
916B	109-0810-24-127	AFCS Sperry Simplex (2 axes)	1	10.150	2500	25,375	0	0		0			
917	109-0820-65-101 S/N 7285 and subs	Primus 300 SL radar meteo	1	38.000	446	16,948	0	0		0			
917A	109-0820-65-105 Up to S/N 7284	Primus 300 SL radar meteo	1	38.000	446	16,948	0	0		0			
918	109-0820-66-101	Data Nav. III	1	10.500	3860	40,530	0	0		0			
919	109-0740-29-9	Alternate current system	1	13.045	371	4840	✓	✓		✓			
919A	109-0740-29-113	Alternate current system	1	9.500	400	3800	0	0		0			
920	109-0770-41-9	Radio-instruments fwd provision	REF	-	-	-	1	1		1			
-	109-0810-30-23	- Navigation instruments	1	2.600	2400	6240	✓	✓		✓			
-	109-0770-16-9	- Intercom system	1	1.870	1600	2992	0	0		0			
-	109-0770-06-25	- VHF/AM VHF 20A (#1)	1	1.525	2400	3660	✓	✓		✓			
-	109-0770-06-31	- VHF/AM VHF 20A (#2)	1	2.460	1500	3690	✓	✓		✓			
-	109-0770-10-25	- VOR/ILS VIR 31A (#1)	1	3.500	1800	6300	✓	✓		✓			
-	109-0770-10-29	- VOR/ILS VIR 31A (#2)	1	1.675	3000	5025	✓	✓		✓			
-	109-0770-17-13	- ADF ADF-60A	1	2.700	2400	6480	✓	✓		✓			
-	109-0770-07-11	- Transponder TDR 90	1	1.870	1700	3179	✓	✓		✓			
-	109-0770-18-13	- Radio altimeter and LGCS	1	1.030	2400	2472	✓	✓		✓			

\*

**CHART A – EQUIPMENT LIST (OPTIONAL)**  
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MODEL : A109A II

REGISTRATION MARKS ~~M1091A~~ <sup>G-TKNT</sup>

S/N 7325

16 NOV 85

9/11/84 AGZ

CRS109-572

23.01.03

ITEM NUMBER	AUXILIARY EQUIPMENT (Cont.)		QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter	Chart C entry	In helicopter	Chart C entry	In helicopter	Chart C entry
	P/N	DENOMINATION											
-	109-0770-19-13	- DME 40	1	0.800	2400	1920	✓	✓		✓			
-	109-0770-44-9	- Flight director and Autotrim	1	1.420	3000	4260	✓	✓		✓			
-	109-0810-24-17	- AFCS Sperry	1	3.300	3000	9900	✓	✓		✓			
* 921	109-0770-41-11	Radio- Instruments aft provision	REF	-	-	-	1	1		1			
-	109-0810-30-25	- Navigation Instruments	1	1.655	7000	11,585	✓	✓		✓			
-	109-0770-06-27	- VHF/AM VHF 20A (#1)	1	0.740	5830	4314	✓	✓		✓			
-	109-0770-10-31	- VOR/ILS VIR 31A (#2)	1	2.775	5000	13,875	✓	✓		✓			
-	109-0770-17-15	- ADF ADF-60A	1	1.245	5830	7258	✓	✓		✓			
-	109-0770-18-15 Up to S/N 7297	- Radio altimeter and LGCS	1	1.685	6000	10,110	0	0		0			
-	109-0770-18-119 S/N 7298 and subs	- Radio altimeter and LGCS	1	1.685	6000	10,110	✓	✓		✓			
-	109-0770-19-15	- DME 40	1	1.420	5600	7952	✓	✓		✓			
-	109-0770-44-11	- Flight director and Autotrim	1	1.160	5000	5800	✓	✓		✓			
-	109-0810-24-19	- AFCS Sperry	1	4.000	4500	18,000	✓	✓		✓			
	109-0820-84-101	Facet filter kit	1	2.7216	6057.9	16487.8	0	✓		✓			

\* "This equipment has not been submitted to the R.A.I. inspection"

NEW ISSUE: 3-2-1984

CHART A - EQUIPMENT LIST

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22-10-08

84041-03

23.01.08

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MODEL : A 109A II

REGISTRATION MARKS

*C-17KN1*  
*11021A*

S/N

7325

ITEM NUMBER	P/N	DENOMINATION	QUANTITY	WEIGHT (Kg)	ARM (mm)	MOMENT Kgmm	BASIC CONFIGURATION	In helicopter		Chart C entry	
								✓	✓	✓	✓
	KAN S1822502-02	KANNAD 406 AF-17 ELT	1	1.18	6250	7375	0	✓	✓	0	✓
	1327-82	ELT ANTENNA	1	0.25	6250	1562	0	✓	✓	0	✓
	GARMIN GMA 340 AUDIO PNL		1	1.8	1020	1836	0	✓	✓	✓	✓
	CD CONTROLLER		1	1.25	2040	2550	0	✓	✓	✓	✓
	CD CHANGER		1	3.75	1930	7237.5	0	✓	✓	✓	✓



