SAUDI ARAMCO AVIATION
HELICOPTER SECTION
SAUDI ARABIA

AGUSTA AW139 REQUIRED / OPTIONAL EQUIPMENT

DATE: 21-Jan-20 **REGISTRATION: HZ-AC24** **SERIAL: 31212**

PART NUMBER	ITEM	WEIGHT (Kg)	LONGITUDINAL ARM
	POWER PLANT SYSTEM		
3045379	Engine, PT6C-67C	200,310	6434
1152546-2	DC Generator	13,800	7139
3G7800A00113	Ejection duct installation	33,848	7378
	TRANSMISSION AND ROTORS		
3G6220A00131	Main rotor assy	204,000	5007
3G6220V01351	- Main rotor damper	5,070	5007
3G6210A00131	Main rotor blade assy	63,500	5007
3G6420A00133	Tail rotor assy	9,800	13410
3G6420V00455	Tail rotor elastomeric damper	0,522	13410
3G6410A00131	Tail rotor blade assy	4,255	13410
3G6320A00134	Main gearbox assy	397,820	5113
3G6320V04453	- Filter element	0,240	5308
3G6320V03652	Cooler MGB oil cooling	5,000	5510
3G6320V03853	Fan MGB oil cooling	4,820	5542
3G6310V00152	Input shaft	1,750	5515
3T6510A00144	Tail rotor shaft assy N. 1	7,200	7034
3T6510A00241	Tail rotor shaft assy N. 2	6,170	10307
3T6510A00339	Tail rotor shaft assy N. 3	1,960	12796
3T6521A00149	Intermediate gearbox assy	16,650	12310
3T6522A00243	Tail gearbox assy	31,700	13372
	FUEL SYSTEM		
3G2810V00132	Main left tank	16,300	6236
3G2810V00232	Main right tank	16,400	6236
3G2810V00332	Booster pump	1,790	6279
3G2840V00852	Fuel Control Unit	1,298	6958
3G2840V01051	Secondary probe	0,461	6210
3G2840V00951	Main probe	0,604	6180
	HYDRAULIC SYSTEM		
3G6730V00531	Main rotor actuator No. 1 (mark II)	8,700	4740
3G6730V00531	Main rotor actuator No. 2 (mark II)	8,700	5293
3G6730V00531	Main rotor actuator No. 3 (mark II)	8,700	5293
3G6730V00731	Tail rotor actuator (mark II)	7,000	13410
3G2900V00652	***Power control module N. 1***	***13,900***	***4567***

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PART NUMBER	ITEM	WEIGHT (Kg)	LONGITUDINAL ARM
3G2900V00652	***Power control module N. 2***	***13,900***	***4510***
3G2910V00133	Hydraulic power supply N. 1 (main)	2,500	5094
3G2910V00133	Hydraulic power supply N. 2 (main)	2,500	5094
3G2910V00133	Hydraulic power supply N. 3 (aux)	2,500	4777
3G2920V00131	Electric motor driver hydraulic pump	3,200	3639
	UTILITY HYDRAULIC SYSTEM AND LANDING GEAR		
3G3230V00433	Landing gear control valve assy	4,264	5020
3G3240V00531	Wheel brake reservoir assy	0,431	1015
3G3240V00631	Wheel brake parking valve	1,172	1676
3G3220V00134	Nose landing gear assy	24,550	1990
3G3230V00132	Nose retracting actuator assy	4,660	2568
3G3240A07431	Nose wheel/tyre assy	4,950	2028
3G3240V00131	- Nose wheel assy	2,200	2028
DR5875	- Nose tyre	2,480	2028
3G3210V00135	Left main landing gear assy	44,139	6100
3G3210V00235	Right main landing gear assy	44,139	6100
3G3230V00332	Main retracting actuator assy	5,920	5758
3G3240A07531	Main wheel/tyre assy	10,375	6368
3G3240V00231	- Main wheel assy	4,870	6368
DR9837T	- Main tyre	5,260	6368
3G3240V00332	Main brake assy	7,550	6368
	ELECTRICAL SYSTEM		
3G3150V00353	Pilot Master caution/warning assy	0,300	2050
3G3150V00453	Copilot Master caution/warning assy	0,300	2050
1152552-1	Main Battery	34,700	1229
1152554-1	STBY Battery	12,500	1308
1152550-3	DC Generator Control Unit N 1	1,610	6751
1152550-3	DC Generator Control Unit N 2	1,610	6751
3G2490A00331	Overhead switch panel assy	1,305	2464
3G2490A00431	Overhead circuit breaker panel assy	9,524	2927
3G2430V00551	Power Distribution Panel 1	4,250	3602
3G2430V00651	Power Distribution Panel 2	4,650	3582
45-0339-11	Search Light	2,590	3360
109-0729-12-1	Landing/taxing light	0,320	5640
2LA006-954-00	Emergency light	0,190	5631
109-0740V01-139	Position light, winglet	0,110	12380
109-0740V01-141	Position light, winglet	0,110	12380
109-0740V01-137	Position light, tail	0,150	14047
01-0770905-01	Anti-collision light, tail	0,635	13520
	INSTRUMENTS		

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PART NUMBER	ITEM	WEIGHT (Kg)	LONGITUDINAL ARM
C2300L4-24B	Magnetic compass	0,350	1940
AT660100	Clock	0,113	2052
7037620-814	Flat panel display unit	7,700	2009
7016683-964	Display controller	1,000	2112
7016954-910	Remote instrument controller	0,370	2154
3G3410V00151	Left pilot static tube	0,660	1750
3G3410V00251	Right pilot static tube	0,660	1750
	AVIONIC SYSTEM (Right nose equipment)		
3G3400A00232	Modular radio cabinet N. 2	13,947	1294
DMB20-20	Coupler marker beacon	0,130	1484
HG1153CA01	Air data module	0,750	1475
3G4600A00233	Modular avionic unit N.2	10,367	902
142185-1105	Attitude heading reference unit N.2	2,200	1092
	AVIONIC SYSTEM (Left nose equipment)		
3G3400A00132	Modular radio cabinet N. 1	9,366	1294
DGSC20-02	Coupler glideslope	0,130	1484
DRC20-04	Coupler VOR	0,130	702
HG1153CA01	Air data module	0,750	1478
3G4600A00133	Modular avionic unit N.1	10,630	902
142185-1105	Attitude heading reference unit N.1	2,200	1093
	AVIONIC SYSTEM (nose antennas installation)		
RGS10-48	Antenna glide slope	0,057	628
	AVIONIC SYSTEM (Upper Deck Antennas)		
DMNI24	Antenna transponder	0,170	8584
	AVIONIC SYSTEM (Fuselage Antennas)		
261D913	Antenna marker beacon	0,450	2805
DMNI24	Antenna transponder	0,170	2950
DMNI24	Antenna DME ant	0,170	2971
7510300-901	Antenna ADF	1,587	3572
VFS10-90-2	Antenna VHF/AM	0,605	4943
	AVIONIC SYSTEM (rear section)		
7001840-934	Radio altimeter	2,086	6765
D51616-102	Cockpit Control Unit	0,28	7138
	AVIONIC SYSTEM (tail equipment)		
7010133	Flux valve N. 2	0,680	9899
7010133	Flux valve N. 1	0,680	10155
D51615-102	Multipurpose flight Recorder	3,100	9030
	AVIONIC SYSTEM (tail Antennas)		
S67-2002-4	Antenna radar altimeter (trasm)	0,090	9937
S67-2002-4	Antenna radar altimeter (rec)	0,090	10758
DMN48-1	Antenna VOR (marked of two parts)	0,510	10186

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PART NUMBER	ITEM	WEIGHT (Kg)	LONGITUDINAL ARM
	MISCELLANEOUS EQUIPMENT		
3G3040V00352	Wiper motor converter RH	3,100	1600
3G3040V00452	Wiper motor converter LH	3,100	1600
A072A01	Fire extinguisher and bracket pilot cabin	1,430	2895
A072A01	Fire extinguisher and bracket passenger cabin	1,430	4640
3G1860A00712	Vibration absorber system	21,200	3711
8930-112B90H101	Smoke detector	0,600	8153
	AUXILIARY EQUIPMENTS - MISCELLANEOUS / VIBRATION ATTENUATION		
4G1810F00111	Kit blade tracking	1.285	4887
	AUXILIARY EQUIPMENTS - AIR, VENTILATION, HEATING, CONDITIONING		
3G2140F00112	Kit heating	18,050	5456
3G2150F00114	Kit air conditioning	89,100	3603
	AUXILIARY EQUIPMENTS - AUTO PILOT		
3G2210F00211	Kit 4 axis autopilot	0,195	1736
	AUXILIARY EQUIPMENTS - COMMUNICATIONS		
3G2310F00111	Kit flexcomm II (includes complete provision and installation)	14,790	6512
4G2310A01511	Flexcomm II complete provision	3,790	5914
4G2310A01611	Flexcomm II installation	11,000	6718
4G2310F01311	Kit SATCOM SKYTRACK (includes complete provision)	7,100	7996
4G9310A02411	SATCOM SKYTRACK complete provision	4,050	8367
4G2320F00111	Kit pax briefing system	2,762	5703
4G2350F00611	Kit external loud speakers 400w (includes complete provision	14,189	7249
4G2350A02011	External loud speakers complete provision	2,040	5496
	AUXILIARY EQUIPMENTS - ELECTRICAL POWER		
4G2420F00211	Kit AC power single inverter	2,569	857
4G2430F00114	Kit auxiliary battery 27 ah (SAFT)	15,000	1260
4G2430F00511	Kit main battery 44ah (MARATHON)	1,700	1722
4G2460F00217	Kit aux O/H panel installation	1,000	2750
4G2460F00513	Kit utility CB panel rh	1,420	3000
	AUXILIARY EQUIPMENTS - EQUIPMENTS / FURNISHINGS		
3G2500F00211	Kit pedestal equipment rack	4,450	3533
4G2510F00112	Kit pilot/copilot chart holders	0,750	2142
4G2510F00211	Kit FISHER pilots seats	7,766	2818
3G2520F00111	Kit passenger seats (12 places)		
3G2520V00131	- Passenger seat, including safety belts	12,300	3415
3G2520V00131	- Passenger seat, including safety belts	12,300	4789
3G2520V00131	- Passenger seat, including safety belts	12,300	5600

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4G2520F02811	Kit cabin variant, ARAMCO	82,100	3556
4G2350A02611	- Communication customization ARAMCO	17,000	3024
3G2550F00113	Kit baggage compartment anchor system	5,328	7676
3G2550F00311	Kit cargo restraint net	5,206	7982
3G2560F00311	Kit ELT deployable (includes complete provision)	7,420	7304
4G2560A00311	- ELT deployable complete provision	2,220	5559
4G2560A00411	- ELT deployable installation	5,200	8049
3G2560F00511	Kit first aid	0,650	3000
4G2592A00311	Cargo hook complete provision	3,026	3299
4G2591A01111	Single rescue hoist complete provision	28,800	4680
	AUXILIARY EQUIPMENTS - FUEL - ICE AND RAIN PROTECTION		
3G2820F00111	Kit closed circuit refueling receiver	1,180	6083
4G2820F00311	Kit gravity refueling left side	1,250	6083
3G2800F00111	*Auxiliary Fuel Tank*	*10*	*6240*
	AUXILIARY EQUIPMENTS - INDICATING / RECORDING - LANDING GEAR - LIGHTS		
4G3130F00111	Kit HUMS (include complete provision, removable and fixed part)	13,676	6468
4G3130A00112	HUMS complete provision	4,545	6560
3G3130A01512	HUMS removable parts	0,224	1957
3G3130A01411	HUMS fixed part	8,430	6639
3G3240F00111	Kit wheel brake parking module	3,467	1500
4G3340F00311	Kit SX16 without IF filter	31,071	3618
	AUXILIARY EQUIPMENTS -LIGHTS		
4G3340F00611	Kit 2ND anticollision light (includes complete provision)	1,335	6707
4G3340A00311	2ND anticollision light complete provision	0,705	6499
4G3350F001111	Kit HEELS	7,400	3786
	AUXILIARY EQUIPMENTS - NAVIGATION		
3G3440F00111	Kit 2ND radar altimeter RT 300 (includes complete provision)	5,330	7524
3G3440A00611	2ND radar altimeter RT 300 complete provision	3,050	7900
3G3440F00211	Kit EGPWS	4,750	5925
4G3440A00111	- EGPWS complete provision	2,656	4858
4G3440A00211	- EGPWS installation	2,094	7278
4G3441F00111	Kit weather radar primus 701 (includes complete provision)	14,215	1045
4G3441A00511	Weather radar primus 701 complete provision	2,544	1267
3G3450F00311	Kit TCAS (includes complete provision)	18,275	4913.6
4G3450A02411	TCAS complete provision	12,345	4499
	AUXILIARY EQUIPMENTS - SYSTEM INTEGRATION AND DISPLAY		
4G4620F00711	Kit mission console, SKYFORCE interface	7,700	3269
4G4630F00211	Kit central SKYQUEST display (includes complete provision)	3,220	2094

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PART NUMBER	ITEM	WEIGHT (Kg)	LONGITUDINAL ARM
	AUXILIARY EQUIPMENTS - WINDOWS		
3G5610F00111	Kit acrylic 4+3 windshield	-2,900	2295
3G5620F00115	Kit windows double layer passenger cabin	12,800	4474
4G5630F00111	Kit storm windows privacy lock	0,650	2651
	AUXILIARY EQUIPMENTS - MAIN ROTOR DRIVE - POWER PLANT		
3G6351F00113	Kit rotor brake	13,950	4808
3G7160A00413	- EAPS complete provision	6,530	6493
	AUXILIARY EQUIPMENTS - SURVEILLANCE		
4G9310F00211	Kit video module interface	1,290	1282
4G9350F00411	Kit flir wescam MX-15I (includes complete provision)	53,505	1131
4G9350A00711	Flir wescam MX-15I complete provision	4,650	3551
	AUXILIARY EQUIPMENTS - CREW ESCAPE AND SAFETY		
3G9560F00111	Kit EFS & life Raft (includes complete provision & removable parts)	170,500	6170
4G9560A00211	- EFS complete provision	8,282	4900
3G9560A04212	- EFS removable parts (rigid cover) SMA	76,890	6184.9
3G2560A01812	- Life raft removable parts	89,075	6204.9
	AUXILIARY EQUIPMENTS - IMAGES RECORDING		
4G9750F00211	Kit external video camera (includes complete provision)	1,986	9640
4G9750A00211	External video camera complete provision	1,500	9207
4G9750F00311	Kit IR camera MAX VIZ 1500	4,384	3401
3G9770F00111	Kit cargo hook camera (includes complete provision and removable parts)	3,110	3467
3G9770A00611	External video camera complete provision	1,500	3460
3G9770A00112	External video camera removable parts	1,130	3475
	Blade Tie Down Kit/Engine Inlet Covers	10,000	
	Chocks (2 ea)	20,000	
	Baggage Floor Protector	3,000	
	Aircraft Tie Down Kit	10,000	
	Flight Operation Manual	1,000	
	MEL	1,000	
	Pilot Information Manual	1,000	
	Life Vest (14 ea)	16.0	
	Baggage Partition Divider	4,000	
	Sun Shades	1,000	
	Document Holder	1,000	
4G1860F00113	MAST VIBRATION ABSORBER KIT	34.03	4991.30
3G6306P01011	TAIL ROTOR DRIVER ADAPTER KIT	1.11	6311.12
122000-101	IBF SYSTEM	13.39	6535

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DATE: 21-Jan-20 **REGISTRATION: HZ-AC24** **SERIAL: 31212**

PART NUMBER	ITEM	WEIGHT (Kg)	LONGITUDINAL ARM
3G3240F00111	POWERED PARKING BRAKE KIT	3.233	1940
4G3130F00411	QUICK ACCESS RECORDER KIT	1,437	4968
RS2-002-01	AEROSLED VF	19.1	4651
ST1-140-01	MED DECK SYSTEM	25.4	4651
ST2-307-01	BASE PLATE ASSEMBLY	25.4	4651
33204-002	20-CELL MAIN BATTERY CONVERSION	0.9	1229
BT139-110	MLG SPONSON REAR FAIRING STEP AERA EXTENSION	1.2	6800
D139-799-019	CABIN FLOOR PROTECTION KIT	9.9	4850
D139-799-017	CARGO FLOOR PROTECTION KIT	10.2	7110
3G5306P47211	SUBFLOOR FRAME STA2105 RETRO-MOD	0.689	2120
BT139-296	TAIL ROTOR DRIVE SHAFT REINFORCEMENT	0.95	8293
3G6400P00111	TAIL ROTOR DAMPER RETRO-MOD	1.584	13410
3G5306P38811	REAR FUSELAGE STRUCTURE ASSY IMPROVEMENT (BT139-418)	7.58	8439
4G3450F00611	KIT 2ND GPS, (BT139-061 PART I)	2.31	4953
4G3450F00611	KIT 2ND GPS, (BT139-061 PART II)	2.58	7247
4G3040F00113	WINDSHIELD WASHING SYSTEM (SB 139-513)	1.6	1230
4G2210F00111	SAR MODES KIT, (SB139-173C PART II)	1.93	1430
4G5260F00111	SAR PROTECTION STEP KIT (SB139-514 PART II)	7.2	4565

NOTE: This is a RE-ISSUE against Agusta AW139 CHART A - EQUIPMENT LIST under Saudi Aramco Aviation Format and the additional items installed against MTD and/or manufacturer instruction.

Signature:

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