

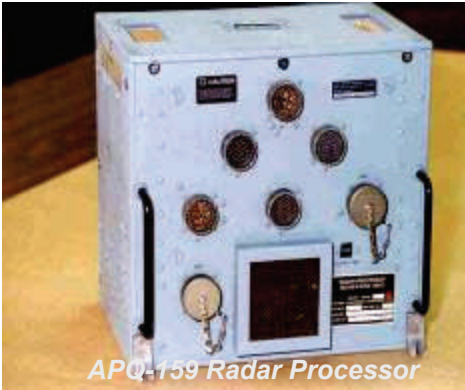


F-5 AIRCRAFT

Electronic Services

USD, founded in 1962, has extensive experience with the AN/APQ-159 Fire Control Radar and can also support its predecessors AN/APQ-157 and AN/APQ-153. We are one of a limited-number of organizations designated as a U.S. Government Repair Facility. Through the reverse engineering and manufacturing process, USD has been able to repair/overhaul, modify or supply many otherwise obsolete products, assemblies or subassemblies to support the F-5 aircraft. Our team of experienced problem solvers can also meet the challenges of your systems obsolescence concerns in the event of Diminishing Manufacturing Sources (DMS).

Please note that the capabilities shown below are not an all inclusive list. Direct all inquiries via e-mail to sales@usdynamicscorp.com



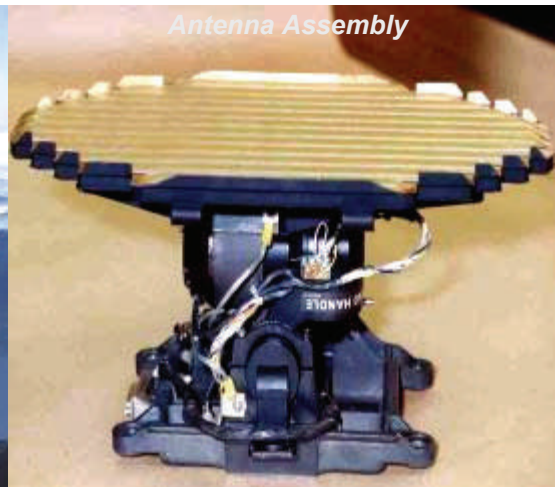
APQ-159 Radar Processor



APQ-159 Receiver/Transmitter



DVST, Yoke & Shield Assembly



Antenna Assembly

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OEM P/N	USD P/N	FSC	NIIN	DESCRIPTION	SYSTEM	REPAIR	NEW BUILD
703309	575280	5998	01-285-9787	VIDEO AMP AND TDC INTERACTOR CCT, CCA		✓	✓
18-61104-3		5895	01-128-0074	AMPLIFIER		✓	
703110-1	571430	*	*	VIDEO AMPL AND REDESTAL CCT		✓	✓
703244-1	571365	*	*	DUAL PRF MASTER TIMING		✓	✓
7033089-1	575280	5998	01-285-9787	VIDEO AMP AND TDC INTERACTOR CCT, CCA		✓	✓
16VZ001-16		5998	01-310-8718	ELECTRONIC COMPONENT ASSEMBLY	AN/APG-68	✓	
765R142		5998	01-310-8718	ELECTRONIC COMPONENT ASSEMBLY	AN/APG-68	✓	
765R143G01		5998	01-310-8718	ELECTRONIC COMPONENT ASSEMBLY	AN/APG-68	✓	
14-62909-1		5985	00-139-1505	ANTENNA	AN/APQ-153	✓	
14-62909-19		1270	00-394-6741	RADAR TARGET DATA PROCESSOR	AN/APQ-153	✓	
14-62909-5		1270	00-139-1508	RADAR TARGET DATA PROCESSOR	AN/APQ-153	✓	
3265-1		6220	00-152-6729	EDGE LIGHT PANEL ASSEMBLY	AN/APQ-153	✓	
44B253199-001	571020	5950	00-320-6256	PULSE TRANSFORMER	AN/APQ-153		✓
633079-1		6130	00-165-9891	POWER SUPPLY MODULE	AN/APQ-153	✓	
633091-1		6220	00-152-6729	EDGE LIGHT PANEL ASSEMBLY	AN/APQ-153	✓	
633180-1		1270	00-165-9922	DVST, YOKE AND SHIELD ASSEMBLY	AN/APQ-153	✓	
633180-303		1270	00-165-9922	DVST, YOKE AND SHIELD ASSEMBLY	AN/APQ-153	✓	
633180-305	558020	1270	00-165-9922	DVST, YOKE AND SHIELD ASSEMBLY	AN/APQ-153	✓	✓
633200-309		1270	00-139-1507	RADAR SET INDICATOR	AN/APQ-153	✓	
633353-403		1290	00-025-5458	AUXILIARY COMPONENTS MODULE CCA	AN/APQ-153	✓	
633353-413		1290	00-025-5458	AUXILIARY COMPONENTS MODULE CCA	AN/APQ-153	✓	
633368-1		6130	00-166-0031	POWER SUPPLY HEAT SINK MODULE	AN/APQ-153	✓	
633369-1		5996	00-166-0037	SERVO AMPLIFIER MODULE	AN/APQ-153	✓	
633400-305		5985	00-139-1505	ANTENNA	AN/APQ-153	✓	
633500-307		1270	00-139-1508	RADAR TARGET DATA PROCESSOR	AN/APQ-153	✓	
633500-315		1270	00-139-1508	RADAR TARGET DATA PROCESSOR	AN/APQ-153	✓	
633500-319		1270	00-394-6741	RADAR TARGET DATA PROCESSOR	AN/APQ-153	✓	
633553-1		6220	00-152-6729	EDGE LIGHT PANEL ASSEMBLY	AN/APQ-153	✓	
633553-301		6220	00-152-6729	EDGE LIGHT PANEL ASSEMBLY	AN/APQ-153	✓	
700535-3	571020	5950	00-320-6256	PULSE TRANSFORMER	AN/APQ-153		✓
700535-5	571020	5950	00-320-6256	PULSE TRANSFORMER	AN/APQ-153		✓
700599-1		1290	00-025-5458	AUXILIARY COMPONENTS MODULE CCA	AN/APQ-153	✓	
700630-1		1290	00-025-5458	AUXILIARY COMPONENTS MODULE CCA	AN/APQ-153	✓	
633107-305		5998	01-012-0491	ERASE PULSE GENERATOR CCA	AN/APQ-153, 159	✓	
634100-301		1270	01-021-2963	RADAR TARGET DATA PROCESSOR	AN/APQ-153,157,159	✓	
633157-301		1285	00-165-9897	RECEIVER-TRANSMITTER SUBASSEMBLY	AN/APQ-153,159	✓	
633157-305		1285	00-165-9897	RECEIVER-TRANSMITTER SUBASSEMBLY	AN/APQ-153,159	✓	
633157-307		1285	00-165-9897	RECEIVER-TRANSMITTER SUBASSEMBLY	AN/APQ-153,159	✓	
700620-1	571050	5998	01-135-5844	MAGNETRON CURRENT INTEGRATOR CCA	AN/APQ-153,159	✓	✓
700620-2	571050	5998	01-135-5844	MAGNETRON CURRENT INTEGRATOR CCA	AN/APQ-153,159	✓	✓

OEM P/N	USD P/N	FSC	NIIN	DESCRIPTION	SYSTEM	REPAIR	NEW BUILD
633324	571215	5995	00-165-2413	RF CABLE ASSEMBLY (RECEIVER/XMTR)	AN/APQ-159		✓
700592		4720	00-195-5753	POWER SUPPLY - FILAMENT SWITCHING MODULE	AN/APQ-159	✓	
700820		1270	01-050-8111	PULSE FORMING NETWORK	AN/APQ-159		✓
703317	575255	5996	01-285-6389	SERVO AMP MODULATOR, ELECTRONIC CONTROL AMPLIFIER	AN/APQ-159	✓	✓
541838-104	558000	5998	00-152-6366	WRITE GUN BIAS SUPPLY	AN/APQ-159	✓	✓
5418383-104	558000	5998	00-152-6366	WRITE GUN BIAS SUPPLY	AN/APQ-159	✓	✓
633056-403		5998	01-076-8407	POWER SUPPLY REGULATOR CCA	AN/APQ-159	✓	
633074-353		5998	01-067-2841	TRACK GATE POSITION PULSE GENERATOR CCA	AN/APQ-159	✓	
633076-351		5999	01-061-0540	TRACK GATE ERROR DETECTOR	AN/APQ-159	✓	
633079-351		6130	01-081-8156	POWER SUPPLY MODULE ASSEMBLY	AN/APQ-159	✓	
633080-353		5998	01-076-8408	INTEGRATOR CCA	AN/APQ-159	✓	
633098-301	558000	5998	00-152-6366	WRITE GUN BIAS SUPPLY	AN/APQ-159	✓	✓
633180-351		1270	01-084-0231	DVST, YOKE AND SHIELD ASSEMBLY	AN/APQ-159	✓	
633200-351		5841	01-121-5928	FRONT RADAR INDICATOR	AN/APQ-159	✓	
633200-353		*	*	RANGE INDICATOR	AN/APQ-159	✓	
633231-1		*	*	POWER SUPPLY SUBASSEMBLY	AN/APQ-159		✓
633233-1		*	*	POWER SUPPLY SUBASSEMBLY	AN/APQ-159		✓
633324-1	571215	5995	00-165-2413	RF CABLE ASSEMBLY (RECEIVER/XMTR)	AN/APQ-159		✓
633353-431	571219	1270	01-048-1549	HIGH VOLTAGE MODULE	AN/APQ-159		✓
633353-433	571290	5998	01-083-4328	FILAMENT SWITCHING MODULE	AN/APQ-159	✓	✓
633353-437	571280	5998	01-083-4322	AUXILIARY COMPONENTS MODULE ASSEMBLY	AN/APQ-159		✓
633353-455		5998	01-083-4329	DUAL PRF MASTER TIMING CCA	AN/APQ-159	✓	
633353-457		5998	01-070-1455	MODULATOR CCA	AN/APQ-159	✓	
633368-351		1270	01-050-5380	POWER SUPPLY HEAT SINK MODULE	AN/APQ-159	✓	
633525-301	558000	5998	00-152-6366	WRITE GUN BIAS SUPPLY	AN/APQ-159	✓	✓
633600-351		6130	01-121-5929	POWER SUPPLY COUPLER ASSEMBLY	AN/APQ-159	✓	
633608-1		5998	01-021-3022	DEFLECTION DRIVER CCA	AN/APQ-159	✓	
633737-305		5960	01-083-3936	ELECTRON TUBE, MAGNETRON ASSY	AN/APQ-159		✓
633745-1		1270	01-042-8436	SLOTTED ARRAY ANTENNA	AN/APQ-159	✓	
633800-351		5841	01-121-5930	REAR RADAR INDICATOR	AN/APQ-159	✓	
633804-1		5996	01-021-7089	DEFLECTION AMPLIFIER FLOOD HEATER & OVERLAY POWER SUPPLY ASSEMBLY	AN/APQ-159	✓	
633878-C		*	*	GIMBAL WAVEGUIDE	AN/APQ-159	✓	
633881-27	575125-1	5998	01-040-7373	LAYER 13 FLEX CABLE	AN/APQ-159		✓
633881-27	575125-2	5998	01-040-7373	LAYER 13 FLEX CABLE (SPECIAL MARKING)	AN/APQ-159		✓
633899-1	571030	5950	01-048-7294	RF TRANSFORMER	AN/APQ-159		✓
633922-303	571025	5998	01-066-1175	AFC FREQUENCY AGILITY CCA	AN/APQ-159	✓	✓
633980-307		5895	01-079-7114	POST AMPLIFIER/AFC MODULE ASSEMBLY	AN/APQ-159	✓	
634002-401		5998	01-076-8409	CURSOR DEFLECT CCA	AN/APQ-159	✓	
634016-305		5998	01-076-8410	BIT CCA	AN/APQ-159	✓	
634101-1		5998	01-083-8513	VIDEO AMPLIFIER ("A6") CCA	AN/APQ-159	✓	
634104-1		5998	01-135-8072	REGULATOR & SWITCHING CCA	AN/APQ-159	✓	
634106-1		1270	01-139-2964	VIDEO AMPLIFIER CCA	AN/APQ-159	✓	

OEM P/N	USD P/N	FSC	NIIN	DESCRIPTION	SYSTEM	REPAIR	NEW BUILD
634110-1		5998	01-135-8071	TRANSFER CONTROL CCA	AN/APQ-159	✓	
634200-301		1270	01-071-8909	RADAR SET CONTROL	AN/APQ-159	✓	
634300-305	571200	1270	01-077-4724	RECEIVER/TRANSMITTER, RADAR	AN/APQ-159	✓	✓
634400-303		1270	01-063-7873	ANTENNA ASSEMBLY	AN/APQ-159	✓	
634400-305		5985	01-280-4835	ANTENNA ASSEMBLY	AN/APQ-159	✓	
634500-303	575100	1270	01-071-7473	RADAR PROCESSOR	AN/APQ-159	✓	✓
634500-501	575115	*	*	RADAR PROCESSOR CHASSIS	AN/APQ-159	✓	✓
634504-303		5998	01-076-8411	MODE CONTROL COMPARISON CCA	AN/APQ-159	✓	
634506-1		5998	01-076-8412	SERVO AMPLIFIER INDICATOR CONTROL CCA	AN/APQ-159	✓	
634508-1		5998	01-076-8413	VIDEO AMPLIFIER-TDC INTEGRATOR CCA	AN/APQ-159	✓	
634510-301		5999	01-066-1177	SEARCH PROGRAMMER CCA	AN/APQ-159	✓	
634512-1		5998	01-076-7899	MULTIPLEXER, RANGE LOGIC CCA	AN/APQ-159	✓	
634518-1	575265	5998	01-076-7900	CIRCUIT CARD ASSEMBLY, VIDEO PROCESSORS ANGLE TRACKER CCA	AN/APQ-159		✓
634569-301	575245	5895	01-121-5949	SERVO AMP, ELECTRONIC (SERVO) AMPLIFIER	AN/APQ-159	✓	✓
634569-301		5895	01-121-5949	ELECTRONIC (SERVO) AMPLIFIER	AN/APQ-159	✓	
634569-301		5996	01-121-5949	ELECTRONIC (SERVO) AMPLIFIER	AN/APQ-159	✓	
634614-1		5998	01-076-8414	ANGLE TRACKER CCA	AN/APQ-159	✓	
634684-401		5999	01-071-7510	CONTROL LOGIC CCA	AN/APQ-159	✓	
634700-303		1270	01-076-6978	DIGITAL SCAN CONVERTER	AN/APQ-159	✓	
634734-305		5998	01-076-8417	CIRCUIT CARD ASSEMBLY	AN/APQ-159	✓	
634800-305		5841	01-073-3507	VIDEO INDICATOR	AN/APQ-159	✓	
645504-303	575190	5998	01-076-8411	MODE CONTROL COMPARATOR ASSEMBLY	AN/APQ-159		✓
700604-101	571221	5998	01-097-5800	HIGH VOLTAGE MODULE RESISTOR BOARD	AN/APQ-159		✓
700604-7	571220	5998	01-086-1364	HIGH VOLTAGE MODULE RESISTOR BOARD ASSY	AN/APQ-159	✓	✓
703200-1		5841	01-311-0200	RECEIVER-TRANSMITTER RADAR	AN/APQ-159	✓	
703220-1		5996	01-289-8535	POST AMPLIFIER/AFC MODULE	AN/APQ-159	✓	
703241-1		*	*	HIGH VOLTAGE POWER SUPPLY	AN/APQ-159	✓	
703242-1	575285	5998	01-346-3220	ELECTRONICS COMPONENTS ASSEMBLY, POWER SUPPLY MODULE	AN/APQ-159	✓	✓
703243-1	575235	5998	01-346-3221	ELECTRONICS COMPONENTS ASSEMBLY, AUXILIARY MODULE ASSY	AN/APQ-159	✓	✓
703315-1		5998	01-286-1427	POWER SUPPLY	AN/APQ-159	✓	
703317-301	575255	5996	01-285-6389	SERVO AMP MODULATOR, ELECTRONIC CONTROL AMPLIFIER	AN/APQ-159	✓	✓
MD703319-3	583010	*	*	A4 CIRCUIT CARD	AN/APQ-159		✓
633093		1270	00-205-8707	DVST, YOKE AND SHIELD ASSEMBLY	AN/APQ-159, AN/APQ-153	✓	✓
633093-303		1270	00-205-8707	DVST, YOKE AND SHIELD ASSEMBLY	AN/APQ-159, AN/APQ-153	✓	✓
H1278CP31		1270	00-205-8707	DVST, YOKE AND SHIELD ASSEMBLY	AN/APQ-159, AN/APQ-153	✓	✓
703306	575270	5998	01-285-6396	ANGLE TRACKER CCT, CCA	N/A	✓	✓
703308	575275	5998	01-285-7908	MULTI PLEXER RANGE LOGIC CCT, CCA	N/A	✓	✓
703306-1	575270	5998	01-285-6396	ANGLE TRACKER CCT, CCA	N/A	✓	✓
703308-1	575275	5998	01-285-7908	MULTI PLEXER RANGE LOGIC CCT, CCA	N/A	✓	✓
709220-1	571350	*	*	POST AMP ASSY	N/A	✓	✓