



# AN/FPS-117

U.S. Dynamics Corporation, founded in 1962, has extensive experience providing repair, overhaul and new builds supporting a wide range of Ground based and Airborne radar systems. Through technology insertion U.S. Dynamics can extend the life of your legacy and mature systems, our experienced electrical and mechanical engineers can provide cost-effective solutions. Our expertise include RF, Microwave, Power Supplies and Electromechanical Assemblies.



Please note that the capabilities shown below are not an all inclusive list. Direct all inquires via e-mail to [sales@usdynamicscorp.com](mailto:sales@usdynamicscorp.com)

## Repair, Overhaul and Factory New

Description	OEM P/N	NSN
Amplifier	77D609750G001	5996-01-144-9523
Amplifier	77D613080G001	5996-01-176-5298
Beam Control Low Angle	7344928G001	5998-01-196-2938
Beam Control Monopulse	7344930G001	5998-01-196-2939
Central Transformer and Rectifier Assy	77D609759G001	5998-01-160-5541
Converter Decoder Group	7326387G001	
Data Register	7327174G001	5985-01-176-5354
Diode Assy +/- 15 V	7326676G003	5998-01-153-8738
Diode Assy +15 V	7326676G002	5998-01-154-5067
Diode Assy +5 V	7326676G001	5998-01-153-8737
Distribution Local Osc	77D609744G002	5998-01-209-1594
Electronic Switch Assy	7325482G001	6625-01-079-9948
Exciter-Receiver Monitor- CCA	7247254G001	5998-01-150-9136
Frequency Multiplier 2X - CCA	77D609806G001	5998-01-142-8129
Frequency Multiplier 4X	725016A1017-G02	5998-01-279-6409
Frequency Multiplier 8X	77D609751G002	5895-01-282-6790
Heater Blower Assy	77D609821G001	4520-01-160-6284
Heater Blower Assy	77D609821G002	4520-01-160-6235
Logic Bucket	77D609754G001	5998-01-238-3665
Microwave Power Limiter	5930718G1	5895-01-155-1550
Microwave Power Limiter	77C718018P001	5895-01-155-1550

**USD is always adding new systems for Repair, Overhaul and New Builds.**

**Please contact factory for additional systems supported.**

425 BAYVIEW AVENUE  
AMITYVILLE, NY 11701

[www.usdynamicscorp.com](http://www.usdynamicscorp.com)

Tel: 631-842-5600  
Fax: 631-842-5247

Depot Repair • Design and Manufacturing • Inertial Guidance • Custom Fabrication  
*Extending the Life of Legacy and Mature Systems*

Revised: 4/01/07



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Description	OEM P/N	NSN
Microwave Power Limiter	77C718018P1	5895-01-155-1550
Microwave Power Limiter	DL-30B	5895-01-155-1550
Microwave Power Limiter	L-B23S	5895-01-155-1550
Mixer Assy	77D613065G001	5895-01-176-5297
Osc Assy	77D609752G001	
Oscillator RF (30 Mhz)	725016A0954-G01	5999-01-143-0771
Phase and Power Control	77D615407G001	6110-01-436-3564
Platform & Pedestal	732640G002	
Power & Distribution	7327180G001	
Power & Distribution	732718G001	
Power Supply	7326396G001	6130-01-209-1573
Power Supply	7326396G002	6130-01-209-1573
Power Supply	7326471G001	
Power Supply Data Register - CCA	7327169G002	5998-01-176-5389
Primary Voltage Sensor	77D608046G001	5998-01-142-8981
Primary Voltage Sensor	77D608046G1	5998-01-142-8981
Radar Row Receiver	7326440	5840-01-154-0006
Radar Row Receiver	7326440G1	5840-01-154-0006
Radar Row Receiver	7326440G01	5840-01-154-0006
Radar Row Receiver	7326440G001	5840-01-154-0006
Receiver	7326441G001	5840-01-175-4114
Receiver	7326442G001	5840-01-175-4115
Receiver	77E300277G1	5840-01-360-0379
Receiver Amplifier Assy	77D609702	5840-01-208-1097
Receiver Amplifier Assy	77D609702G005	5840-01-208-1097
Receiver Aux	7327175G001	5840-01-154-0007
Receiver Aux	77E300323G001	5840-01-360-0380
RF Driver Amplifier	77C716351P002	5962-01-156-6661
RF Driver Amplifier	77C716351P004	5895-01-347-0099
RF Driver Amplifier	77C716351P2	5895-01-155-2467

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Description	OEM P/N	NSN
RF Power Amplifier	77C716283	5962-01-154-6923
RF Power Amplifier	77C716283P5	5996-01-441-1594
Row Power Supply	7326396	6130-01-209-1573
Row Power Supply	7326396G2	6130-01-209-1573
Temperature Switch Assy	77D615409	5930-01-435-1207
Transformer and Rectifier Assy	77D609758G001	5998-01-160-5540
Transmitter	7327078G001	5840-01-153-2251
Transmitter	7327084G001	5840-01-153-2252
Transmitter Control Assy	7327032G001	5998-01-372-0216
Voltage Regulator + 24 V	77D609543G001	6130-01-157-9307
Voltage Regulator +6 V	77D609539G001	6130-01-158-6136
Voltage Regulator +15 V	77D609541G001	6130-01-158-6139

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