

A			
		System	1-31, 1-46*
		System Schedule	1-35*
		Air Refueling	2-54, 6-23
Abbreviations, Glossary	A-2	Alternate Procedure	2-63
A & B Hydraulic Systems Emergency Diagram	3-97 1-88*	Boom Limits	2-59
Abnormal		Breakaway Procedure	2-63
EGT Indications	3-65	Gear Down - Low Altitude	3-134
Hydraulic System Pressure	3-95	Manual Boom Latching	2-63
Oil Pressure	3-81	Power Limited	2-62
Abort	3-13	Procedure, Normal	2-61
Procedure	3-15	Procedure, Radio Silence	2-64
Acceleration	2-39	Receiver Director	
Check	A2-5	Lights	2-54, 2-56*, 2-57*
Procedure Supersonic	2-43	Receptacle Damaged	3-135
Procedure Transonic	2-41	Single-Engine	3-56*
Accelerometer	1-144	System	1-60
Accessory Drive System, Engine	1-22	Visual Signals	2-64
Accessory Drive System Failure	3-77	Air System Caution Lights	1-193
Advanced Synthetic Aperture Radar System (ASARS)	4-151	Aircraft	
Aft Bypass	1-35	Dimensions	1-4
Aft Cockpit		Gross Weight	1-4
Map Projector	1-181	Oxygen System	1-194
Map Projector Operation	1-183	Status	2-5
Annunciator Panel	1-211*	System, Emergencies	3-83
Circuit Breaker Panel	1-70*	Systems, Limitations	5-17
Instrument Panel	1-28*, 1-28A*, 1-28B*	Airflow Patterns	1-33
Left & Right Consoles	1A-8*	Airspeed	
Left Console	1-29*	Limits	5-8
Right Console	1-30*	Schedules, Supersonic	2-39, 2-40*
Check (Solo Flight)	2-14	Systems	1-133
Control Transfer Panel	1A-21*, 1A-22	Mach Meter	1-135
Aft towing - Engines Operating	2-23	Airstart, Engine	3-50
After		All Weather Operation	7-1
Landing	2-74	Alternate Climb	A3-3
Takeoff	2-37	Altimeter	1-136
Afterburner		Altitude Envelope & Limit Speed	5-9*
And Engine	1-4	Altitude Limits	5-10
Cutoff Failure	3-59	AN/AIC-18, Interphone System	1-145
Failure During Takeoff	3-13	AN/ARA-48 ADF	1-159
Flameout	3-57	Angle of Attack	
Fuel System	1-13	Boundary, Subsonic	6-6*
Nozzle Failure	3-59	Conditions, High	6-3
Air Data	1-102	Indicator	1-136
Air Inlet		Limits	5-10
Aft Bypass	1-35	Vs Time	6-9*, 6-10*
Controls & Indicators	1-42*, 1-43	Vs Wing Lift	6-5*
Control Parameters	1-39	Annunciator Panel	
Forward Bypass	1-31	Aft Cockpit	1-211*
Spikes	1-31	Forward Cockpit	1-209*
		Lights Analysis Chart	3-136*

Page Numbers With Asterisks Denote Illustrations

INDEX

ANS (TAPE 12)		Runway Heading Alignment	4-46
Add Anytime FP	4-54	Search Patterns and Star On	
Add or Replace FP, CP, DP	4-55	Light Indications	4-15*
Bank Angle vs Speed & Radius	4-30*	Select Dead Reckon Mode	4-45
Chronometer/Operation Options	4-33*	Sensor Selection Code	4-26*
Clear 40-List	4-54	Skip to DP	4-54
Cold Airstart Alignment	4-41	Start Range Code	4-27*
Computer Program	4-12	Star Data Usage	4-13*
Continuous (Normal) Display	4-56	System Components	4-5
Crew Actions to Optimize		System Errors	4-5
Star Tracking	4-16*	System Interfaces	4-3
Data in Selected Data Windows		Temperature Warnings	4-61*
for Panel Routines	4-10*	Track Leg Update	4-53
Delete FP, CP, and DP (40-List)	4-54	Turn Radius	4-31*
Direct Steer	4-53	Typical Add/Replace Plan for	
Display Day of Year/Star Data	4-57	Fix and Control Points	4-23*
Display Heading	4-58	Typical Destination Point Plan	4-20*
Display Next FP, CP, DP	4-56	Update Present Position	4-49
Display Present Position	4-58	Update Track Leg	4-53
Display Selected FP, CP, DP	4-56	Warning Indications	4-62*
Display Tape Numbers	4-59	ANS (TAPE 13)	
Distance to Obtain Stable Cross		Add Anytime FP	4-212
Track Velocities	4-22*	Add or Replace ASARS CP	4-214
Fill Day and Time	4-47	Add or Replace Non-ASARS FP,	
Fill Initial Altitude	4-47	CP, DP	4-213
Fill Magnetic Variation	4-48	Bank Angle vs Speed & Radius	4-188
Fill Present Position	4-47	Chronometer/Operation Options	4-191
Fill Wind	4-47	Clear 40-List	4-212
Ground Alignment	4-38	Cold Airstart Alignment	4-199
Ground Alignment Correct	4-40	Computer Program	4-171
Ground Hot Start	4-40	Continuous (Normal) Display	4-215
Heading Update	4-48	Crew Actions to Optimize	
Hot Airstart Alignment	4-44	Star Tracking	4-175*
Malfunctions Procedures	3-117, 4-59	Data in Selected Data Windows	
Mission Modification	4-25	for Panel Routines	4-168*
Mission Point Data	4-24*	Delete FP, CP, and DP (40-List)	4-212
Mission Tape Program	4-18	Direct Steer	4-212
Modes of Operation	4-3	Display Day of Year/Star Data	4-217
Navigation and Sensor Control		Display Heading	4-217
System	4-4*	Display Next Non-ASARS FP,	
Navigation Control and Display		CP, DP	4-216
Panel	4-6, 4-7*	Display Present Position	4-217
Navigation Mode Probable		Display Selected FP, CP, DP	4-215
Radial Error	4-6*	Display Tape Numbers	4-218
Navigation Modes vs Alignment		Fill Day and Time	4-205
Methods	4-32*	Fill Initial Altitude	4-205
Normal Display	4-56	Fill Magnetic Variation	4-206
Operation	4-30	Fill Present Position	4-205
Operating Procedures	4-38	Fill Wind	4-205
Present Position Update		Ground Alignment	4-196
(Remote Update)	4-49	Ground Alignment Correct	4-198

Page Numbers With Asterisks Denote Illustrations

Ground Hot Start	4-198	Attitude Indicator Standby 3-Inch	1-141
Heading Update	4-206	Automatic Restart	1-41
Hot Airstart Alignment	4-202	Autopilot	1-114
Malfunctions Procedures	3-117, 4-219	Controls and Indications	1-122*
Measure Altitude Update, Using ASARS With IPD	4-207	Operation	1-125
Mission Modification	4-183	Avionic and Communications	
Mission Point Data	4-182*	Equipment	1-145
Mission Tape Program	4-177		
Modes of Operation	4-161	B	
Navigation and Sensor Control System	4-162*	Bailout	3-19
Navigation Control and Display Panel	4-164, 4-165*	Bank Angle Vs Load Factor	A1-3
Navigation Mode Probable		Barrier Engagement	3-16
Radial Error	4-164*	Procedure	3-17
Navigation Modes vs Alignment Methods	4-190*	Batteries	1-67
Normal Display	4-215	Bay Overheat	3-120
Operation	4-190	Bearing, Distance, Heading Indicator	1-144
Operating Procedures	4-196	Before	
Present Position Update (Remote Update)	4-206	Entering Cockpit	2-5
Present Position Update, Using ASARS With IPD	4-207	Instrument Takeoff	7-2
Runway Heading Alignment	4-204	Landing	2-66
Search Patterns and Star On		Penetration	2-66
Light Indications	4-174*	Takeoff	2-29
Select Dead Reckon Mode	4-203	Taxiing	2-29
Sensor Selection Code	4-184	Blown Main Gear Tire After Landing	3-131
Skip to DP	4-212	Boost Pump Switches	1-61
Star Data Usage	4-174	Boost Pumps, Complete Loss of	3-86
System Components	4-163	Boots	1-198
System Errors	4-163	Brake System	1-91
System Interfaces	4-161	Brake or Steering Failure	3-9
Temperature Warnings	4-221*	Breakaway Procedure, Air Refueling	2-63
Track Leg Update	4-211	Buddy Mission at 0.75 Mach	A4-2
Turn Radius	4-189*	Bus Tie Open Emergency	3-94
Typical Destination Point Plan	4-179*		
Update Present Position	4-207	C	
Update Track Leg	4-211	Camera Systems	4-81
Warning Indications	4-222*	Canopies and Controls	1-175
Anticollision Lights	5-17	Canopy Limitations	5-17
Antiskid Out	3-10	Caution and Warning Lights	1-206
Approach and Landing	6-24	Center Instrument Panel - Forward Cockpit	1-23
APW and High Angle of Attack Warning System	1-126, 1A-19, 3-114	Center of Gravity	
AN/ARN-118(V), Tacan System	1-171	Calculator	4-118
Attitude-Director Indicator	1-137	Indication Systems and Fuel Quantity	1-64*
Attitude Indicator, RSO	1-144		
Attitude Indicator Standby 2-Inch	1-140		

Page Numbers With Asterisks Denote Illustrations

INDEX

Limits	5-16	Crosswind Takeoff	2-37
Location, Effects of	6-7	Cruise	2-45
Characteristic Pitch Trim		Performance Single-Engine	3-58*
Indications	6-14*	Performance Supersonic	A5-1
Chines, Characteristic Effects of	6-2	Profile, Maximum Range	6-15, A6-5*
Chemical Ignition System, Engine	1-22	Single-Engine	3-57
Circuit Breakers	1-71		
Function Table	1-79		
Panel - Aft Cockpit	1-70*		D
Panels - Forward			
Cockpit	1-69*		
Clearing Engine	2-23	Danger Areas	2-17*, 2-18*
Climb	2-38	DAFICS	1-102
Alternate	A3-3	DEF Systems	4-119
And Descent Performance	A3-1	A2 System	4-123
Normal	A3-2	C2 System	4-129
Single-Engine	A3-3	Control Panel	4-119
Cockpit		Equipment Location	4-80*
Air Valve	1-192	H System	4-132
Defogging	3-134	Interface/Reliability Checks	4-149
Depressurization	3-119	M System	4-146
Fog	3-134	Warning Panel	4-123
Overtemperature	3-118	Delta Wing, Characteristics of	6-2
Pressurization Schedule	1-189	Deicing System	1-175
Pressurization Schedules and		Derich	1-13
Temperature Selection	1-186	Descent	2-51, 6-23
Too Cold	3-119	And Climb	A3-2
Cold and Hot Weather Procedures	7-8	Emergency	3-30, 3-51
Communications and Avionic		Normal	A3-4
Equipment	1-145	Profile	2-52*
COMNAV-50 Radio	1-147	Single-Engine	A3-5
Complete Loss of Boost Pumps	3-86	Diagnostic Flow Chart - Engine	
Compressibility Corrections	A1-2	Nozzle/Hyd Failures	3-63*
Compressor		Distance Indicator, UHF	1-152
Bleed Schedule, Engine	1-20*	Ditching or Forced Landing	3-30
Inlet Temperature	5-5	Double Engine Flameout	3-48
Stall, Engine	3-43, 3-47	Double Generator Failure	3-89
Computers, DAFICS	1-103	Drag Chute	
Configuration Effects	6-2	Emergencies	3-123
Consoles		Limitations	5-23
Aft Cockpit	1-29*, 1A-8*	System Description	1-93
Forward Cockpit	1-25*, 1A-7*		
Control Stick	1-94		
Control Transfer Panels	1A-21*		E
Crash Rescue Procedures	3-135		
Crew Coordination	2-2		
Crossfeed During Cruise	2-47	E or R Bay Overheat	3-120
Crossfeed During Forward Transfer	3-83	Effects of C.G. Location	6-7
Crossfeed Switch - Fuel	1-61	Egress	
Crosswind Landing	2-71	Coordination System	1-204
		Lights and Switches	1-204

Page Numbers With Asterisks Denote Illustrations

Normal (Ground)	2-80*	Fuels	5-2
EGT		Gear Extension	3-128
Automatic Trim	1-14	Gear Retraction After Takeoff	3-18
Gage Malfunction	3-66	Ground Egress	3-8
Harness	3-67	Intercommunications System	1A-19
Indication and Control System, Engine	1-15*	Oxygen System	1-195, 3-122
Indications, Abnormal	3-65, 3-71*	Warning Equipment	1-206, 1A-23
Schedule, Engine Nominal	1-16*	Engine	
Trim Switches	1-14	Accessory Drive System	1-22
EIP System	4-99	Airstart	3-50
Continuous Analog Recorder	4-100	And Afterburner	1-4
Digital Recorder	4-100	And Afterburner Fuel System	1-12*
Procedures	4-101	Chemical Ignition System	1-22
Ejection		Compressor Bleed Schedule	1-20*
Seat	1-199, 1-202*	Compressor Stall	3-43, 3-50
Sequence, Primary & Secondary	1-203	EGT Indication & Control System	1-15*
Trajectories	1-205*	Exhaust Gas Temperature Trim Systems	1-14
Electrical		Exhaust Nozzle and Ejector System	1-18
Circuit Breakers	1-71	External and Internal Bleeds	1-19
Emergency, AC Power System	1-68, 1-76*	External Starter System	1-22
Emergency, DC Power Supply	1-77*	Failure During Takeoff	3-12
External Power	1-68	Fire On Ground	3-9
Power Distribution	1-74*	Fire & Engine Shutdown	3-51
Power System Emergencies	3-88	Flameout	3-48
Supply System	1-67, 1A-13	Fuel Derich System	1-13
System Controls and Indicator Lights	1-71	Fuel Hydraulic System	1-21, 3-62
Elevon Control System	1-96	Fuel System	1-9, 1-12*
Elevon Positioning In Turns	6-18	Igniter Purge Switch	1-22
Elevon Positions, Wings Level & Turning	6-20*	Ignition System, Chemical	1-22
Elevon Trim Indications	6-21*	Inlet Guide Vanes	1-19
Emergencies		Inlet Parameter Indications	1-17
Aircraft Systems	3-83	JT11D-20	1-6*
Crash Rescue Procedures	3-139*	Maximum Operating Schedules and Limits	5-6*
In-Flight	3-19	Nominal EGT Schedule	1-16*
Landing	3-125	Oil Pressure Abnormal	3-81
Multiple	3-6	Oil Pressure Limits	5-5
Propulsion System	3-33	Oil Quantity Low	3-81
Takeoff	3-12	Oil Supply System	1-21
Emergency		Oil Temperature, Abnormal	3-81
AC Bus Power Loss	3-94	Operating Limits	5-2
AC Power Supply Electrical	1-76*	Shutdown Procedure	2-75, 3-52
Beacon	1-200	Speed	5-5
DC Power Supply Electrical	1-77*	Stall Regions, Supersonic	3-43, 3-44*
Descent	3-30	Stalls Subsonic	3-45
Entrance	3-135	Starter, External System	1-22
Equipment	1-206		
Escape System	1-199		

Page Numbers With Asterisks Denote Illustrations

INDEX

Environmental Control System	1-185, 1A-21	Air Refueling System	1-60
Emergencies	3-118	And Fuel Density	A1-2
Suit Overtemperature	3-120	Boost Pump and Float Arrangement	1-51*
Exhaust Gas Temperature Limits	5-2	Boost Pumps	1-54, 1A-12, 3-85
Exhaust Gas Temperature Trim Systems, Engine	1-14	Control Failure	3-81
Exhaust Nozzle and Ejector System, Engine	1-18	Crossfeed	1-61, 2-47
Exposure Control Operation	4-116	Crossfeed During Transfer	3-83
System	4-115	Derich System, Engine	1-13
Exterior Inspection	2-5	Dumping	2-65
Exterior Lighting	1-183	Feed System	1-53*
External Power Supply	1-68	Feeding and Sequencing	1-50
		Float Switches Function	1-51*
F		Heat Sink System	1-58
Face Heat Switches	1-198	Hydraulic System, Engine	1-21
Field Length Requirements	A2-2	Low Quantity Warning	3-83
Fire		Pressure, Low Warning	3-83
Electrical	3-30	Quantity and C.G. Indication Systems	1-64*
Engine	3-13	Quantity and Usage Data	1-50*
Warning in Flight	3-51	Sequencing Incorrect	3-85
Warning System Nacelle	1-207	Supply System	1-47
Flat Strut Landing	3-132	System Emergencies	3-83
Flight		System, Pressurization	1-56*
And Navigation		System, Refueling	1-59*
Instruments	1-135	System Controls, Instruments and Indicator Lights	1-61, 1A-12
Characteristics	3-55, 6-1	System, Engine	1-9
Controls Systems	1-98*, 1A-17, 3-98	System, Engine and Afterburner	1-12*
Controls, Primary	1-94	System Limitations	5-17
In Rain	7-5	System Management with Engine Shutdown	3-85
Instruments	1A-19	Tank Pressurization Failure	3-84
Planning	2-2	Tank Pressurization System	1-55
Forced Landing or Ditching	3-30	Tanks	1-50
Forward Bypass	1-31	Transfer System	1-55
Forward Cockpit		Hydraulic System Failure, Engine	3-62
Annunciator Panel	1-27*, 1A-9*	Full-Pressure Suit	1-197
Center Instrument Panel	1-23*, 1A-4*		
Circuit Breaker Panels	1-69*, 1A-15*	G	
Control Transfer Panel	1A-21*	G-Band Beacon	1-171
Instrument Side Panels	1-24*, 1A-5*	Gear	
Left and Right Consoles	1A-7*	Emergency Extension	3-128
Left Console	1-25*	Retraction, Emergency	3-18
Map Projector and Display	1-179	Unsafe Indication	3-127
Navigation Instruments	1-143*	General Arrangement and Bay	
Right Console	1-26*	Locator Diagram	1-5*
Fuel		Generator Bus Tie Open Light On	3-94

Page Numbers With Asterisks Denote Illustrations

Generator Failure	3-88	Inlet, Engine Air	1-31
Glide Distance, Both Engines		Controls, Instruments and	
Inoperative	3-49*	Indicator Lights	1-43
Glossary, Abbreviations	A-2	Guide Vanes, Engine	1-19
Gloves	1-198	Malfunction	3-38
Go Around	2-73*, 2-74, 3-127	Manual Control Schedule	3-41*
Ground Egress		Operation	3-40, 6-12
Emergency	3-8	Parameter Indications, Engine	1-39
Normal	2-80*	Unstart	3-33
Ground Operation	3-8	Unstart Boundaries, Aft	
		Bypass Closed	3-35*
		Unstart Procedure	3-34
H		Instrument	
Heavyweight Landing	2-72, 3-126	Approaches	7-2
Helmet	1-197	Cruising Flight	7-9
HF Radio Equipment	1-161	Flight Procedures	7-2
High Altitude Turn Technique	6-22	Landing System	1-165
High Angle of Attack Conditions	6-3	Markings	5-2
High Humidity Conditions	7-6	Panel - Aft Ckpt	1-28*, 1-28A*, 1A-6*
Holding	7-2	Panel - Forward Cockpit	1-23*, 1A-4*
Horizontal Situation Indicator	1-141	Side Panels - Forward	
Hot Day Ground Operation	7-8	Cockpit	1-24*, 1A-5*
Hot and Cold Weather Procedures	7-8	Takeoff and Climb	7-2
Hydraulic Systems	1-86	Intercommunications System	1-145
Emergencies	3-95	Emergency	1A-19
Engine, Fuel	3-62	Interior Check	
Failure, Engine Fuel	3-62	Aft Cockpit	2-9, 2-12, 2-14
Pressure, Abnormal	3-95	Front Cockpit	2-5
Diagram, A and B	1-88*	Interior Lighting	1-184
Diagram, L and R	1-87*	Interphone System	1-145
A & B Emergency	3-97		
L & R (Utility) Emergency	3-95	J	
		Jet Penetration	7-2, 7-3*
I		JT11D-20 Engine	1-6*
I-Band Beacon	1-171	K	
Ice and Rain	7-5	KC-10 Air Refueling Boom Limits	2-58*
IFF System	1-167	KC-135 Air Refueling Boom Limits	2-55*
Igniter Purge Switch	1-22	KEAS Warning Light	1-120
IGV	1-19	KEAS Bleed Schedule, Autopilot	1-120*
IGV Lockout Failure	3-48		
ILS Control Panel	1-165		
In-Flight Emergencies	3-19		
Inertial Lead Vertical Speed			
Indicator	1-136		
Inertial Navigation System	4-68		
Operation	4-69		

Page Numbers With Asterisks Denote Illustrations

INDEX

L			
L & R Hydraulic Systems	3-95	Engine Maximum Operating Schedules	5-2
L & R Hydraulic Systems Diagram	1-87*	Engine Operating	5-2
L & R Air System Out	3-118	Exhaust Gas Temperature	5-2
Lagged Yaw Rate, Effect on Trim	6-18	Fuel System	5-17
Landing		Landing Gear System	5-18
After	2-74	Life Support System	5-23
Air Refueling Receptacle		Load Factor	5-8
Damaged	3-135	Mach Number, Airspeed and Altitude	5-8
Crosswind	2-71	Maximum Mach Number	5-8
Emergencies	3-125	Maximum Weight	5-5
Flat Strut	3-132	Minimum Crew	5-2
Gear and Tires	1-89	Primary Flight Control Systems	5-17
Gear System	1-89	Prohibited Maneuvers	5-10
Gear System Emergencies	3-127	Rate of Descent	5-16
Gear System Limitations	5-18	Rate Surface Control Deflection	1-97*
Heavyweight	2-72, 3-126	Speed and Altitude Envelope	5-8
Main Gear Flat Tire	3-130	Tactical	3-135
Maximum Performance	2-72	Time	5-2
Minimum Roll	2-72	With Pitch SAS Inoperative	3-104*
Normal	2-69	Liquid Nitrogen Quantity Indicator	1-58
Nose Gear Flat Tire	3-131	Liquid Nitrogen Consumption	A6-3
Partial Gear	3-129	Load Factor Limits	5-8
Pattern, Typical	2-67*	Loiter Performance	A4-3
Performance	A2-11		
Performance and Takeoff	A2-1	M	
Single-Engine	3-125	Mach	
Touch and Go	2-74	Airspeed, Temperature	A1-3
Wet/Slippery Runway	2-72	Meter, Airspeed	1-135
Without Nosewheel Steering	3-132, 3-133*	Number, Airspeed & Altitude Limits	5-8
Life Support Systems	1-194	Trim System	1-126
Limitations	5-23	Magnetic Compass	1-144
Emergencies	3-120	Main Gear Flat Tire Landing	3-130
Lighting Equipment	1-183	Manual	
Lights, Warning, Caution and Condition	1-209	Boom Latching, Air Refueling Inlet Operation	2-63
Limits		Map Projectors, Navigation	1-179
Aircraft Systems	5-17	Master Warning System	1-206
Airspeed	5-8	Maximum	
Altitude	5-10	Afterburner Ceiling Profile	6-19
Angle of Attack	5-10	Altitude Cruise Profile	6-19
Automatic Flight Control Systems	5-17		
Canopy	5-17		
Center of Gravity	5-16		
Drag Chute	5-23		

Page Numbers With Asterisks Denote Illustrations

Initial Braking Speed for Stop	5-22*, 5-23	Normal Operating Characteristics	6-12
Mach Number Limits	5-8	Nose Gear Flat Tire Landing	3-131
Performance, Landing	2-72	Nosewheel Steering System	1-90
Range and Ceiling Altitudes	6-17*	Nosewheel Steering Engaged Light	1-90
Range Cruise Profile	6-15	Nozzle Failure, Afterburner	3-59
Weight Limits	5-5*		
Microphone Switches	1-145	O	
Minimum			
Crew	5-2	OBC Control Panel	4-95, 4-96*
Roll Landing	2-72	Oil	
Subsonic Airspeed Limits		Pressure Limits	5-5
With Pitch SAS Inoperative	3-104*	Pressure, Abnormal	3-81
Turning Radius	2-30*	Quantity Low, Engine	3-81
Miscellaneous Equipment	1-208	Supply System, Engine	1-21
Missed Approach and Go-Around	7-5	Temperature Abnormal, Engine	3-81
Mission Planning	A6-1	Operation in Turbulence	7-8
Mission Recorder System	1A-23, 4-117	Optical Bar Camera	4-93
MODEM	1-151	Oxygen Mask and Regulator	1-198
		Oxygen System, Aircraft	1-194, 1-196*
N		Oxygen System, Emergency	
		Procedures	3-121
Nacelle Fire Warning System	1-207		
Nacelle Location, Effect of	6-3	P	
Navigation (TAPE 12)			
Computer Program	4-12	Partial Gear Landing	3-129
Control and Display		Partial Loss of Boost Pumps	3-85
Panel, ANS	4-6, 4-7*	Penetration	2-66, 7-3*
Instruments - Forward Cockpit	1-143*	Performance	
Instruments	1-135, 1A-19	Climb and Descent	A3-1
Map Projectors	1-179	Data	A1-2
Mode Probable Radial Error, ANS	4-6*	Data Basis	A1-2
Sensor Control System, ANS	4-4*	Introduction	A1-1
System Emergencies	3-117	Loiter	A4-3
System Errors	4-5	Mission Planning Data	A6-1
Navigation (TAPE 13)		Single-Engine Cruise	3-58*
Computer Program	4-171	Subsonic Cruise	A4-1
Control and Display		Supersonic Cruise	A5-2
Panel, ANS	4-164, 4-165*	Takeoff and Landing	A2-1
Instruments - Forward Cockpit	1-143*	Turning	A6-2
Instruments	1-135, 1A-19	Peripheral Vision Display	1-138
Map Projectors	1-179	Periscope	1-179
Mode Probable Radial Error, ANS	4-164*	Personal Equipment Hookup	2-3*, 2-4*
Sensor Control System, ANS	4-162*	Pitch or Yaw Axis, SAS First	
System Emergencies	3-117	Failure	3-103
System Errors	4-163	Pitch or Yaw Axis, SAS Second	
Night Flying	7-8	Failure	3-105
Nominal EGT Schedule, Engine	1-16*		

Page Numbers With Asterisks Denote Illustrations

INDEX

Pitch SAS Block Diagram	1-109*	Rated Tire Speed	5-19*
Pitch Trim, Characteristic Indications	6-14*	RCD	4-90
Pitch Trim, Effect of Lagged Yaw Rate	6-18*	Control Panel	4-92*
Pitot Static Systems	1-133, 1A-19, 7-2	Procedures	4-91
Emergencies	3-117	Rear View Periscope	1-175
Position Error Corrections	A1-2	Receiver Director Lights	2-56*, 2-57*
Power and Sensor Control Panel	4-81	Receiver/Transmitter Control Panel, UHF	1-150
Power Limited Air Refueling	2-62	Recorder Correlator Display	4-90
Precision Radar Approach	7-4*	Refueling System, Air	1-60
Preflight Check	2-5	Refusal Speed	A2-6
Preparation for Flight	2-2	Rescue Procedures, Crash	3-135
Pressure Suit	1-197	Roll Axis Failures, SAS	3-107
Loss of Vent Air	3-123	Roll SAS Block Diagram	1-112*
Overtemperature	3-120	Rotation Technique	2-35
Pressure Transducer Assembly	1-135	Rudder Control System	1-99*, 1-100
Primary Ejection Sequence	1-203	Runway Overrun Barrier	3-16
Primary Flight Control System	1-94		
Emergencies	3-98		
Limitations	5-17		
Prior to Descent	2-50		
Prohibited Maneuvers	5-10		
Propulsion System		SAS (Stability Augmentation System)	1-104
Emergencies in Flight	3-33	Secondary Ejection Sequence	1-204
Takeoff Emergencies	3-12	Comparison Chart	4-79*
PTA	1-135	Component and DEF Equipment Locations	4-80*
PVD	1-138	Control Panel and Power Systems	4-79
		Side Looking Radar	4-86
Q		Signal Data Translator Control Panels, UHF	1-151
Quick Launch	2-81	Single-Engine	
		Air Refueling	3-56*
R		Climb	A3-3
Radar Approach, Precision	7-4*	Climb Capability	A2-9
Radar Control Panel, ASARS	4-153*, 4-154	Cruise	3-57
Radar Control Panel, CAPRE	4-86, 4-87*	Cruise Performance	3-58*
Radio Frequency Band Designations	4-150*	Descent	A3-5
Radio Silence, 'ir Refueling Procedure	2-64	Flight Characteristics	3-55
Radios	1-147	Go-Around	3-127
Rain and Ice	7-5	Landing Simulated	3-127
Rain Removal System, Windshield	1-175	Minimum Aerodynamic Control Speed	3-11*
Range Factor Summary & Max Specific Range	A4-2	Penetration & Landing	3-125
Rate of Descent Limits	5-16	Single Generator Failure	3-88
		SLR - Capre System - Auto Stabilization	4-86

Page Numbers With Asterisks Denote Illustrations

Control Panel	4-86	Surface Limiter System	1-102
Malfunction Procedures	4-89	Survival Kit	1-204*
Normal Operation	4-89	Survival Quick Launch	2-81
RCD Control Panel	4-90	Synchronizer Switch, Rudder	1-101
Smoke or Fumes	3-30		
Specific Range			
One Engine	A4-3	T	
Two Engines	A4-2		
Data Supersonic	A5-1		
Spikes	1-31	TACAN System	1-171
Spins	6-7	Controls	1-172
Stability Augmentation		Tactical Limits Table	3-135
System	1-104, 1A-18	Takeoff	2-34, 6-12
Control Panel	1A-18	And Landing Data	2-2
Controls and Indications	1-115*	And Landing Performance	A2-1
Diagram, Pitch	1-109*	Crosswind	2-37
Diagram, Roll	1-112*	Emergencies	3-12
Diagram, Yaw	1-111*	Fuel Allowance	A2-4
Emergencies	3-100	Performance	A2-2
Warning Lights Chart	3-101*, 3-102*	Planning	A2-15
Stability Characteristics	6-7	Typical	2-36*
Standard Atmosphere	A1-3	Taxiing	2-29
Standby Attitude Indicator,		TEB	1-135
2-Inch	1-140	TEB	1-22
Standby Attitude Indicator,		Technical Objective Camera System	4-81
3-Inch	1-141	TECH Malfunction Procedures	4-85
Standby Oxygen System, Use Of	3-121	Throttles and Throttle Settings	1-9
Starter System, Engine External	1-22	Tire Cooling Period for Full RTO	
Starting Engines	2-19	Capability, Estimated	5-20*
Steering System, Nosewheel	1-90	Tire Failure	3-130
Stick Warning Schedules, APW	1-131*	Tire Limit Capability	5-21*
Structural Capability in Gusts	7-7*	Tire Speed, Rated	5-18
Subsonic		Touch-and-Go Landing	2-74
Critical Angle of Attack		Transformer-Rectifier Failure	3-94
Boundary	6-6*	Transonic Acceleration Procedure	2-41
Cruise Performance	A4-1	Trim Systems, Flight Control	
Maximum Range Cruise - Climb	A4-2	Surfaces	1-100
Mission Profile	A4-3	Failures	3-98
Operation	2-45	Indications, Elevon	6-21*
Suit Overtemperature	3-120	Power Switch	1-100
Sunshade (Bat Wing)	1-179	Trim Systems, Engine Exhaust	
Supersonic		Gas Temperature	1-14
Acceleration Procedure	2-43	Triple Display Indicator	1-135
Airspeed Schedules	2-39	True Mach Number Vs Equivalent	
Cruise Performance	A5-2	Airspeed	A1-3
Operation	2-46	Turbulence and Thunderstorms	7-8
Specific Range Data	A5-1	Turning Performance	A6-2
Surface Control Deflection		Turns	7-2
Limits and Rates	1-97*		

Page Numbers With Asterisks Denote Illustrations

INDEX

U

UHF

Antennas	1-152
Command Radio Control Panels and Indicators	1-149*
Distance Indicator	1-152
Normal Operation	1-152
Radio Communication and	
Radio Control and Signal Channels	1-153*
Receiver/Transmitter Control Panels	1-150
Signal Data Translator Control Panels	1-151
Unstart, Inlet	3-33

V

VHF Radio System	1-159
V/H (FMC) Systems	4-106
V/H Chart	4-103*
Viewsight, Optical Control Panel	4-105
Displays	4-107*
Interface Diagram	4-106*
Viewsight, Video	4-109
Viewsight Controls	4-109, 4-111*
Viewsight Displays	4-110, 4-113*
Viewsight Procedures	4-111
Visor	1-197

W

W/δ Vs Gross Weight and Altitude	A1-3
Warning Equipment, Emergency	1-206
Warning Lights System	3-135
Warning, Caution and Condition Lights	1-209*
Weight and Balance	2-2
Wet/Slippery Runway Landings	2-72
Wheel Brake System	1-91
Wide Band Recorder	4-100
Windmilling Glide Distance	3-49*
Windshield	1-175
Hot Air Deicing System	1-175
Icing	7-5
Rain Removal System	1-175
Wing Lift Vs Angle of Attack	6-5*

Y

Yaw SAS Block Diagram	1-111*
-----------------------	--------