

ATTACHMENT No. 5

**LEARJET 35/35A/36/36A
MAINTENANCE MANUAL**

PHASE A1 - 300 HOUR INSPECTION/CHECKS

MODEL 35/35A/36/36A		INSPECTION DUE TIME/DATE:		
SERIAL NO.		INSPECTION START TIME/DATE:		
REGISTRATION NO.		INSPECTION FINISH TIME/DATE:		
IRN	INSPECTION	MECH	INSP	DATE
	<p>NOTE:</p> <ul style="list-style-type: none"> • Perform the following inspection/checks in accordance with the interval specified in 5-10-00, Inspections. • Each inspection item has an Inspection Reference Number (IRN) assigned for record keeping purposes only. References to maintenance manual instructions are shown on the summary sheet at the end of this section. • Ensure that Section 5-10-00 has been reviewed and all requirements have been accomplished. <p>COCKPIT</p>			
12-00-01	Deleted.			
E2450020	Check switch and circuit breaker panels for general condition.			
E2510000	Glareshield, headliner, and trim strips for security and general condition.			
E2510010	Crew seats and seat belts for operation, security of mounting, and general condition.			
E2700002	Check for freedom of movement of all flight controls.			
E2700004	Using the proper cockpit controls, check flaps, spoilers, horizontal stabilizer, and trim tabs for proper operation and accurate indication.			
E2720010	Inspect rudder boots for general condition and security.			

EFFECTIVITY: ALL

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IRN	INSPECTION	MECH	INSP	DATE
E2730025	Control columns (including control wheels and boots) for condition, proper operation, and clearances.			
E3100000	Instrument panel for security, instrument markings, condition of placards, and general condition.			
E5320000	Center pedestal and equipment for security and general condition. Spoiler, throttle, and flap controls for general condition and serviceability.			
	ELECTRICAL			
E2130023	Perform functional test of the cabin safety valve and vacuum shutoff solenoid valve circuit. <u>(Effective on Aircraft 35-107, 35-113 and Subsequent, and 36-032 and Subsequent.)</u> NOTE: Functional test of the vacuum shutoff solenoid valve is included in the functional test of the cabin safety valve.			
E2130026	Perform functional test of the cabin safety valve. <u>(Effective on Aircraft 35-002 thru 35-112 except 35-107, and 36-002 thru 36-031.)</u>			
E2131005	Perform functional test of pressurization aneroid switch (PSW300). <u>(Effective on Aircraft 35-002 thru 35-112 except 35-107, and 36-002 thru 36-031.)</u>			
E2131013	Perform functional test of cabin pressure warning system aneroid switches (PSW100 and PSW101). <u>(Effective on Aircraft 35-107, 35-113 and Subsequent, and 36-032 and Subsequent.)</u>			
F2132003	Perform operational check of emergency pressurization system. <u>(Effective on Aircraft 35-107, 35-113 and Subsequent, and 36-032 and Subsequent.)</u>			
F2132021	Perform functional test of the emergency pressurization aneroid switches (S89 and S90). <u>(Effective on Aircraft 35-107, 35-113 and Subsequent, and 36-032 and Subsequent.)</u>			

EFFECTIVITY: ALL

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IRN	INSPECTION	MECH	INSP	DATE
E2143001 X	Perform functional test of Windshield Auxiliary Defog Heat System (Internal). <i>(Effective on Aircraft 35-643 thru 35-670.)</i>			
E2731000	Perform stall warning system functional test.			
E2740001	Perform trim system operational check.			
E2740003	Perform T.O. trim operational check.			
E2820020	Perform operational check of fuel supply shutoff valve and hydraulic supply shutoff valves.			
E3030001	Static port heaters (when installed). <i>(Effective on Aircraft 35-002 thru 35-505, except 35-408, and 36-002 thru 36-053 not modified per AAK 83-2, "Installation of FC-530 Autopilot.")</i>			
E3310000	Check operation of interior lighting systems: a. Flight compartment lighting. (1) Map lights. (2) Glareshield floodlights. (3) Instrument/indicator lights. (4) Panel lights. (5) Light dimming control panels. (6) Glareshield warning lights and automatic dimming by photo cell. (7) Electroluminescent panel lights. b. Passenger compartment lighting. (1) Aisle lights. (2) Cabin floodlights. (3) Convenience lights. (4) Lavatory lights. (5) Warning lights.			
E3340000	Check operation of exterior lighting systems: a. Landing and taxi light. b. Anti-collision beacons. c. Navigation lights. d. Strobe lights. e. Recognition lights (when installed). f. Wing ice inspection lights (when installed). g. Emergency exit lights (cabin door and emergency escape).			

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IRN	INSPECTION	MECH	INSP	DATE
E3411030	Perform functional test of static shutoff (isolation) valves. <u>(Effective on Aircraft 35-408, 35-506 and Subsequent, and 36-054 and Subsequent and prior Aircraft modified per AAK 83-2, "Installation of FC-530 Autopilot.")</u>			
E3412000	Perform functional test of the RH and LH Mach/Overspeed switches. <u>(Effective on Aircraft 35-002 thru 35-505, except 35-408, and 36-002 thru 36-053 not modified per AAK83-2, "Installation of FC-530 Autopilot.")</u>			
E3412003	Perform functional test of Mach/overspeed system. <u>(Effective on Aircraft 35-408, 35-506 and Subsequent, and 36-054 and Subsequent, and prior Aircraft modified per AAK83-2, "Installation of FC-530 Autopilot.")</u>			
	SERVICING - COCKPIT			
D1210005 	Emergency Air Pressure Gage - Check for proper air pressure (1800 to 3000 psi).			
D1210006	Oxygen Pressure Gage - Check for proper inflation (1500 to 1850 psi).			

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SUMMARY OF PHASE A1 - 300 HOUR INSPECTION FOR MODEL 35/35A/36/36A								
Inspection IRN No. Ref.	REFERENCE							
	Maintenance Manual (Ch Ref.)	Structural Repair Manual	Component Maintenance Manual	NDI Manual				
				X-Ray (Part 2)	Eddy Current (Part 3)	Optical Prism (Part 4)	Fluorescent Penetrant (Part 5)	Magnetic Particle (Part 6)
12-00-01	Deleted	-	-	-	-	-	-	-
E2450020	-	-	-	-	-	-	-	-
E2510000	-	-	-	-	-	-	-	-
E2510010	-	-	-	-	-	-	-	-
E2700002	-	-	-	-	-	-	-	-
E2700004	-	-	-	-	-	-	-	-
E2720010	-	-	-	-	-	-	-	-
E2730025	-	-	-	-	-	-	-	-
E3100000	-	-	-	-	-	-	-	-
E5320000	-	-	-	-	-	-	-	-
E2130023	21-30-02	-	-	-	-	-	-	-
E2130026	21-30-02	-	-	-	-	-	-	-
E2131005	21-30-07	-	-	-	-	-	-	-
E2131013	21-30-07	-	-	-	-	-	-	-
	21-31-01	-	-	-	-	-	-	-
E2132003	21-30-00	-	-	-	-	-	-	-
F2132021	21-30-07	-	-	-	-	-	-	-
E2143001	21-43-00	-	-	-	-	-	-	-
E2731000	27-31-00	-	-	-	-	-	-	-
E2740001	27-00-00	-	-	-	-	-	-	-
E2740003	27-40-00	-	-	-	-	-	-	-
E2820020	28-20-04	-	-	-	-	-	-	-
	29-10-02	-	-	-	-	-	-	-
E3030001	-	-	-	-	-	-	-	-
E3310000	-	-	-	-	-	-	-	-
E3340000	-	-	-	-	-	-	-	-
E3411030	34-11-00	-	-	-	-	-	-	-
E3412000	34-12-00	-	-	-	-	-	-	-
E3412003	34-12-00	-	-	-	-	-	-	-
D1210005	12-10-07	-	-	-	-	-	-	-
D1210006	12-10-09	-	-	-	-	-	-	-

EFFECTIVITY: ALL

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PHASE A2 - 300 HOUR INSPECTION/CHECKS

MODEL 35/35A/36/36A		INSPECTION DUE TIME/DATE:		
SERIAL NO.		INSPECTION START TIME/DATE:		
REGISTRATION NO.		INSPECTION FINISH TIME/DATE:		
IRN	INSPECTION	MECH	INSP	DATE
	<p>NOTE:</p> <ul style="list-style-type: none"> • Perform the following inspection/checks in accordance with the interval specified in 5-10-00, Inspections. • Each inspection item has an Inspection Reference Number (IRN) assigned for record keeping purposes only. References to maintenance manual instructions are shown on the summary sheet at the end of this section. • Ensure that Section 5-10-00 has been reviewed and all requirements have been accomplished. <p>CABIN</p>			
E2520000	Cabin seats and seat belts for condition; baggage compartment, stowage cabinets, rugs, headliner, and side panels for security and condition.			
E3500030 X	Check baggage compartment oxygen bottle installation for security of mounting; plumbing for routing and security. <i>(Effective on Aircraft equipped with long-range oxygen system.)</i>			
E5321012	Remove baggage compartment upholstery and check structure for corrosion. Pay particular attention to area around threaded inserts in honeycomb structure. Tap-test floor panel to check for unbonding of upper surface plate and honeycomb core structure.			
E5321014	If installed, inspect accessible areas around the galley, potty, and lavatory for evidence of spillage. Investigate further if evidence of spillage is found.			

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PHASE A2 - 300 HOUR INSPECTION/CHECKS

IRN	INSPECTION	MECH	INSP	DATE
	ELECTRICAL			
F3050008	Alcohol anti-ice pump for proper operation. <i>(Effective on Aircraft 35-002 thru 35-106, 35-108 thru 35-112, and 36-002 thru 36-031.)</i>			
E3500000	Perform functional test of oxygen system.			
	FUSELAGE			
E2814037	Perform functional test of redundant fuel vent system fuselage tank vacuum relief valve. <i>(Effective on Model 35 Aircraft only.)</i>			
E5323010	Exterior of aircraft, including fillets and fairings, for security and general condition.			
E5610002	Interior and exterior surface of windshield for crazing, including visible portion under retainers for cracks, cleanliness, security, and general condition. NOTE: Clean interior and exterior surface of windshield in accordance with Chapter 12.			
E5620000	Perform an external visual inspection of the cabin windows and retainers for general condition, security, and cleanliness. Inspect internal and external surfaces of the cabin windows for scratches, pits, or other damage.			
	NOSE			
E2731050	Angle-of-attack vanes for condition and security.			
E3040004	Windshield defog ducts and external outlets for security. Check external anti-ice nozzles clear of obstructions.			
F3050002	Perform operational check of alcohol anti-ice system. <i>(Effective on Aircraft 35-107, 35-113 and Subsequent, and 36-032 and Subsequent.)</i>			

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IRN	INSPECTION	MECH	INSP	DATE
G3050009	Clean alcohol anti-ice filter element. Replace filter element if made of paper.			
E3232002	Nose gear actuator boot and hydraulic plumbing for security and general condition.			
E3400000	Nose compartment from the forward side of the forward pressure bulkhead, forward, for cleanliness. Electronic and electrical equipment and antenna installations for security of mounting and general condition. Wire bundle and plumbing routing for security and condition.			
E3411011	Air data sensor or air data computer static, pitot, and drain lines for condition and security. Check operation of drain valves.			
E3411013	Check drain holes in pitot-static heads. <i>(Effective on Aircraft 35-408, 35-506 and Subsequent, and 36-054 and Subsequent and prior Aircraft modified per AAK 83-2, "Installation of FC-530 Autopilot.")</i>			
E3411043	Inspect pitot tubes, plumbing, and wiring for condition and security. Inspect static ports for distortion and plumbing for condition, security, and low spots. Inspect that one-inch area around static ports are free from obstructions and are polished. Check operation of drain valves.			
E3500010	Oxygen bottle for security of mounting and plumbing for routing and security. <i>(Effective on Aircraft with oxygen cylinder installed in nose compartment.)</i>			
E5240010	Nose compartment doors and fasteners for general condition, proper fit, and seals for bonding and general condition.			
E5360001	Radome for general condition, finish, and security. Check lightning diverter strips for security and condition.			
	TAILCONE			
E5323012	Exterior of aircraft, including fairings and fillets, for security and condition.			

EFFECTIVITY: ALL

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IRN	INSPECTION	MECH	INSP	DATE
	SERVICING - NOSE			
G1230000	Alcohol Anti-ice Tank - Check for quantity of fluid.			

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MODEL 35/35A/36/36A		INSPECTION DUE TIME/DATE:		
SERIAL NO.		INSPECTION START TIME/DATE:		
REGISTRATION NO.		INSPECTION FINISH TIME/DATE:		
IRN	INSPECTION	MECH	INSP	DATE
	<p>NOTE:</p> <ul style="list-style-type: none"> • Perform the following inspection/checks in accordance with the interval specified in 5-10-00, Inspections. • Each inspection item has an Inspection Reference Number (IRN) assigned for record keeping purposes only. References to maintenance manual instructions are shown on the summary sheet at the end of this section. • Ensure that Section 5-10-00 has been reviewed and all requirements have been accomplished. <p>ELECTRICAL</p>			
E8010002	Perform functional test of starter resistor circuit.			
	ENGINE			
12-00-03	Deleted.			
E2431020	Check length of all starter brushes.			
E2610010	<p>Inspect firewall and accessory gearbox fire detector elements for chafing, security of clamps, and general condition.</p> <p>NOTE: This inspection only applies to the firewall and accessory gearbox loops. The engine tailcone loop should be inspected at the major engine inspection.</p>			
E2900003	Perform operational check of engine driven hydraulic pumps.			

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IRN	INSPECTION	MECH	INSP	DATE
E3020000	Inspect nacelle anti-ice plumbing. Inspect clamp and welded portion on aft side of nose cap bulkhead and that portion visible through openings in nose cap bulkhead. Nose cap removal not required.			
E3610010 ✓	Check torque on all fittings (banjo and test port "B" nuts) on the bleed air shutoff and regulator valves. <u>(Effective on Aircraft 35-002 thru 35-063, and 36-002 thru 36-017, not modified per SSK 966 "Replacement of Bleed Air Shutoff and Pressure Regulator Valve" or AAK 85-6 "Engine Bleed Air Shutoff and Pressure Regulator Valve Replacement".)</u>			
G7100000	Moved to Special Inspections.			
E7100001	Perform visual inspection of all bleed air ducts, lines, hoses, and electrical wiring located in the engine nacelle. Inspect for security, clamping, routing, clearance, leaks, and general condition.			
E7110000	Inspect nacelle structure, skin spot welds, and fasteners for cleanliness and general condition.			
E7110010	Inspect inlet duct for security and general condition.			
E7110020	Inspect rear nacelle for security and general condition.			
E7110030	Inspect generator inlet duct seal for security and general condition.			
F7120021	Perform visual inspection of forward engine mounts. NOTE: <u>On Aircraft 35-002 thru 35-522, and 36-002 thru 36-053 equipped with engine mounts other than P/N 2651034, this inspection is in accordance with AD 87-02-06 paragraph A, and SB 35/36-71-3.</u>			

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PHASE A3 - 300 HOUR INSPECTION/CHECKS

IRN	INSPECTION	MECH	INSP	DATE
E7611005	Visually inspect all wire harness shield overbraids and shield terminations for security and general condition. NOTE: Removal of upper cowling is required for this inspection.			
G7830001	Moved to Special Inspections.			
E8010001	Visually inspect teeth of starter drive jaw and starter drive jaw coupling assemblies for wear due to non-engagements.			
	TAILCONE			
12-00-02	Deleted.			
E2150000	Refrigeration (Air Conditioning) system components installation for proper V-belt tension, security of mounting, and general condition. If oil leaks are visible and/or refrigerant dumped, check compressor oil level (some leakage is allowable around shaft).			
E2160005	Duct temperature limiter for cracks, deformation, and general condition, particularly at mounting flange.			
E2400002	Electrical wiring for routing, security, and electrical components for security and general condition.			
E2400007	Perform inspection of all 4 AWG or greater electrical cables (visible portion). Pay particular attention to bend radius. Inspect cable routing to the batteries, including the connection to the battery quick disconnects.			
E2820001	Visually inspect fuel plumbing for routing, clearance, leaks, security, and general condition. Check fuel drains for operation.			
E2820010	Clean and leak check low pressure fuel filters. <i>On Aircraft equipped with paper filters</i> , remove and replace filters.			

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IRN	INSPECTION	MECH	INSP	DATE
E2900000	Visually inspect hydraulic plumbing for routing, clearance, leaks, security, and general condition.			
E3610000	Bleed air ducting (including clamps and valves) for security of mounting, duct installation, evidence of leakage, and general condition.			
E5450000 ✓	Check pylon firewalls for cracks, condition of firewall sealant, security of hydraulic and fuel connections, electrical and mechanical feed-throughs, and condition of bleed air flange gaskets.			
E7611008	Visually inspect all wire harness shield overbraids and shield terminations for security and general condition.			
	SERVICING - ENGINE			
E1210010	Check oil level in starters. NOTE: Change starter oil at every Engine MPI.			
G1221031	Oil Filler Door - Lubricate hinges.			
	SERVICING - TAILCONE			
D1210008	Hydraulic Accumulator - Check accumulator precharge (850 psi).			

EFFECTIVITY: ALL

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SUMMARY OF PHASE A3 - 300 HOUR INSPECTIONS FOR MODEL 35/35A/36/36A								
Inspection IRN No. Ref.	REFERENCE							
	Maintenance Manual (Ch Ref.)	Structural Repair Manual	Component Maintenance Manual	NDI Manual				
				X-Ray (Part 2)	Eddy Current (Part 3)	Optical Prism (Part 4)	Fluorescent Penetrant (Part 5)	Magnetic Particle (Part 6)
E8010002	80-10-01	-	-	-	-	-	-	-
12-00-03	Deleted.							
E2431020	80-10-01	-	-	-	-	-	-	-
E2610010	-	-	-	-	-	-	-	-
E2900003	29-10-03	-	-	-	-	-	-	-
E3020000	-	-	-	-	-	-	-	-
E3610010	36-10-01	-	-	-	-	-	-	-
G7100000	Moved.							
E7100001	-	-	-	-	-	-	-	-
E7110000	-	-	-	-	-	-	-	-
E7110010	-	-	-	-	-	-	-	-
E7110020	-	-	-	-	-	-	-	-
E7110030	-	-	-	-	-	-	-	-
E7120021	71-20-00	-	-	-	-	-	-	-
E7611005	-	-	-	-	-	-	-	-
G7830001	Moved.							
E8010001	-	-	-	-	-	-	-	-
12-00-02	Deleted.							
E2150000	21-50-00	-	-	-	-	-	-	-
E2160005	-	-	-	-	-	-	-	-
E2400002	-	-	-	-	-	-	-	-
E2400007	24-00-00	-	-	-	-	-	-	-
E2820001	-	-	-	-	-	-	-	-
E2820010	28-20-03	-	-	-	-	-	-	-
E2900000	-	-	-	-	-	-	-	-
E3610000	-	-	-	-	-	-	-	-
E5450000	-	-	-	-	-	-	-	-
E7611008	-	-	-	-	-	-	-	-
E1210010	80-10-01	-	-	-	-	-	-	-
G1221031	12-21-04	-	-	-	-	-	-	-
D1210008	12-10-01	-	-	-	-	-	-	-

EFFECTIVITY: ALL

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PHASE A4 - 300 HOUR INSPECTION/CHECKS

MODEL 35/35A/36/36A		INSPECTION DUE TIME/DATE:		
SERIAL NO.		INSPECTION START TIME/DATE:		
REGISTRATION NO.		INSPECTION FINISH TIME/DATE:		
IRN	INSPECTION	MECH	INSP	DATE
	<p>NOTE:</p> <ul style="list-style-type: none"> • Perform the following inspection/checks in accordance with the interval specified in 5-10-00, Inspections. • Each inspection item has an Inspection Reference Number (IRN) assigned for record keeping purposes only. References to maintenance manual instructions are shown on the summary sheet at the end of this section. • Ensure that Section 5-10-00 has been reviewed and all requirements have been accomplished. <p>WING</p>			
E2700009	Check for freedom of movement of all flight controls.			
E2700018	<p>Visually inspect spoiler, flap, aileron, and aileron trim tab electrical bonding jumpers for security and general condition.</p> <p>NOTE: Check electrical bond of any suspect connection.</p>			
E2710000	Aileron and aileron tabs and drive mechanism for security, operation, and general condition.			
E2710034	Inspect aileron trim tab installation for general condition and security.			
E2760030	Inspect spoiler and hinge installation for security, cracks, and general condition.			
E2814024	Perform functional test of redundant fuel vent system tip tank pressure relief valves.			

EFFECTIVITY: ALL

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PHASE A4 - 300 HOUR INSPECTION/CHECKS

IRN	INSPECTION	MECH	INSP	DATE
E2814033	Perform functional test of redundant fuel vent system tip tank vacuum relief valve.			
G3011001	Temperature Sensing and Indication System - Perform functional test. <i>(Effective on Aircraft not modified per SB 35/36-30-10, "Replacement of Wing Anti-ice Transverse Duct".)</i>			
E5700001	Wing to fuselage fairing and tip tank exterior for condition, loose rivets, and fuel leaks.			
E5720070	Vortex generators (when installed) for general condition and/or missing generators. Stall fences, stall strips, wing stall triangles, and boundary layer energizers (when installed) for general condition and/or missing parts. Pay particular attention to wing stall triangles to ensure they are sharp edged.			
G5750050	Inspect flap upper and lower surfaces for skin cracks, loose rivets, and other damage. Pay particular attention to nose roller support structure for cracks.			
	SERVICING - WING			
D1221017	Flaps - Lubricate flap track rollers.			
D1221018	Ailerons - Lubricate brush seals.			

EFFECTIVITY: ALL

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SUMMARY OF PHASE A4 - 300 HOUR INSPECTIONS FOR MODEL 35/35A/36/36A								
Inspection IRN No. Ref.	REFERENCE							
	Maintenance Manual (Ch Ref.)	Structural Repair Manual	Component Maintenance Manual	NDI Manual				
				X-Ray (Part 2)	Eddy Current (Part 3)	Optical Prism (Part 4)	Fluorescent Penetrant (Part 5)	Magnetic Particle (Part 6)
E2700009	-	-	-	-	-	-	-	-
E2700018	-	-	-	-	-	-	-	-
E2710000	-	-	-	-	-	-	-	-
E2710034	-	-	-	-	-	-	-	-
E2760030	-	-	-	-	-	-	-	-
E2814-24	28-14-00	-	-	-	-	-	-	-
E2814033	28-14-00	-	-	-	-	-	-	-
G3011001	30-11-00	-	-	-	-	-	-	-
E5700001	-	-	-	-	-	-	-	-
E5720070	-	-	-	-	-	-	-	-
G5750050	-	-	-	-	-	-	-	-
D1221017	12-21-02	-	-	-	-	-	-	-
D1221018	12-21-02	-	-	-	-	-	-	-

EFFECTIVITY: ALL

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PHASE A5 - 300 HOUR INSPECTION/CHECKS

MODEL 35/35A36/36A		INSPECTION DUE TIME/DATE:		
SERIAL NO.		INSPECTION START TIME/DATE:		
REGISTRATION NO.		INSPECTION FINISH TIME/DATE:		
IRN	INSPECTION	MECH	INSP	DATE
	<p>NOTE:</p> <ul style="list-style-type: none"> • Perform the following inspection/checks in accordance with the interval specified in 5-10-00, Inspections. • Each inspection item has an Inspection Reference Number (IRN) assigned for record keeping purposes only. References to maintenance manual instructions are shown on the summary sheet at the end of this section. • Ensure that Section 5-10-00 has been reviewed and all requirements have been accomplished. <p>CENTER SECTION</p>			
E2400001	Electrical wiring for routing, clearance, and general condition (that portion visible through wheel wells).			
E2820000	Lower inboard gear doors and check entire keelbeam and wheel well area for fuel or hydraulic leaks, plumbing for routing, clearances, security of clamps, and general condition.			
E5280001	Visually inspect inboard and outboard main landing gear door bonding jumpers for security and general condition. NOTE: Check electrical bond of any suspect connection.			
	LANDING GEAR			
12-00-04	Deleted.			

EFFECTIVITY: ALL

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PHASE A5 - 300 HOUR INSPECTION/CHECKS

IRN	INSPECTION	MECH	INSP	DATE
12-10-04	Deleted.			
G3200000	Perform visual inspection of landing gear shock struts for leaks and general condition. Visually inspect landing gear shock struts and landing gear actuator attach points for security and general condition.			
E3211031	Remove and replace retainer ring lock screw (P/N AN500A6-10) from main and nose landing gear struts.			
E3230000	Landing gear electrical wiring for routing and general condition.			
E3230020	Landing gear squat switches for condition.			
E3242000	Nose and main tires for wear, cuts, abrasions, flat spots, and proper inflation. Check chine condition on chined tire.			
E3243000	Brake lines for routing and leaks, MLG and door actuator attach points for security, and strut hinge points for general condition.			
E3243010	Brake assemblies for wear, cracks, hydraulic leaks, and release.			
	SERVICING - LANDING GEAR			
D1210002	Nose Gear Shock Strut - Check for proper fluid level and inflation pressure.			
D1210003	Main Gear Shock Struts - Check for proper fluid level and inflation pressure.			
D1210007	Nose and Main Tires - Check for proper inflation.			

EFFECTIVITY: ALL

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PHASE A5 - 300 HOUR INSPECTION/CHECKS

IRN	INSPECTION	MECH	INSP	DATE
D1221000	Nose Landing Gear - Lubricate trunnion pins.			
D1221001	Nose Landing Gear Actuator - Lubricate attach fitting.			
G1221004	Nose Landing Gear Doors - Lubricate hinges.			
G1221005	Main Landing Gear Doors - Lubricate hinges.			
D1221009	Main Landing Gear Actuator - Lubricate wing attach points.			
D1221010	Main Landing Gear - Lubricate aft trunnion pin.			
D1221011	Main Landing Gear - Lubricate forward trunnion pin.			
D1221012	Main Landing Gear - Lubricate torque link bushings.			
D1221013	Main Landing Gear Actuator - Lubricate strut attach point.			

EFFECTIVITY: ALL

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SUMMARY OF PHASE A5 - 300 HOUR INSPECTIONS FOR MODEL 35/35A/36/36A								
Inspection IRN No. Ref.	REFERENCE							
	Maintenance Manual (Ch Ref.)	Structural Repair Manual	Component Maintenance Manual	NDI Manual				
				X-Ray (Part 2)	Eddy Current (Part 3)	Optical Prism (Part 4)	Fluorescent Penetrant (Part 5)	Magnetic Particle (Part 6)
E2400001	-	-	-	-	-	-	-	-
E2820000	-	-	-	-	-	-	-	-
E5280001	-	-	-	-	-	-	-	-
12-00-04	Deleted.							
12-10-04	Deleted.							
G3200000	-	-	-	-	-	-	-	-
E3211031	-	-	-	-	-	-	-	-
E3230000	-	-	-	-	-	-	-	-
E3230020	-	-	-	-	-	-	-	-
E3242000	12-10-05	-	-	-	-	-	-	-
E3243000	-	-	-	-	-	-	-	-
E3243010	-	-	-	-	-	-	-	-
D1210002	12-10-03	-	-	-	-	-	-	-
D1210003	12-10-04	-	-	-	-	-	-	-
D1210007	12-10-05	-	-	-	-	-	-	-
D1221000	12-21-01	-	-	-	-	-	-	-
D1221001	12-21-01	-	-	-	-	-	-	-
G1221004	12-21-01	-	-	-	-	-	-	-
G1221005	12-21-01	-	-	-	-	-	-	-
D1221009	12-21-01	-	-	-	-	-	-	-
D1221010	12-21-01	-	-	-	-	-	-	-
D1221011	12-21-01	-	-	-	-	-	-	-
D1221012	12-21-01	-	-	-	-	-	-	-
D1221013	12-21-01	-	-	-	-	-	-	-

EFFECTIVITY: ALL

**LEARJET 35/35A/36/36A
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PHASE A6 - 300 HOUR INSPECTION/CHECKS

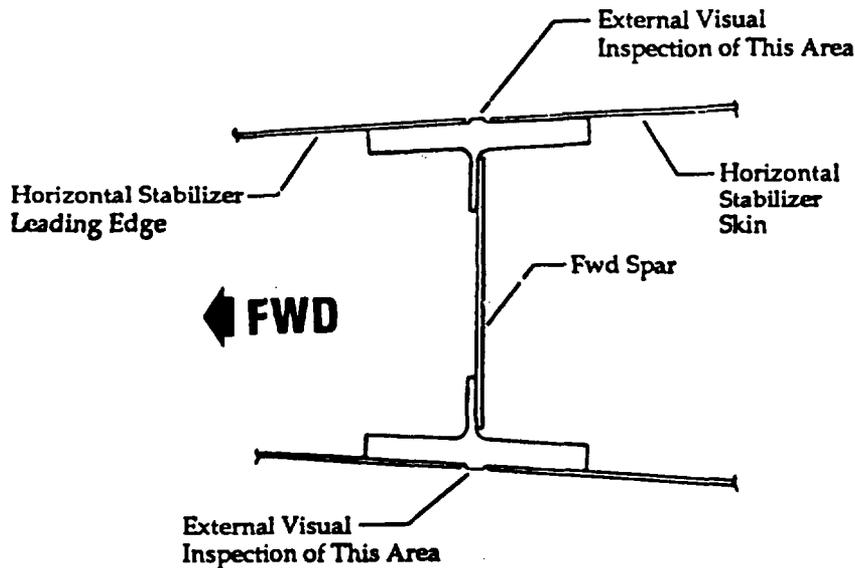
MODEL 35/35A/36/36A		INSPECTION DUE TIME/DATE:		
SERIAL NO.		INSPECTION START TIME/DATE:		
REGISTRATION NO.		INSPECTION FINISH TIME/DATE:		
IRN	INSPECTION	MECH	INSP	DATE
	<p>NOTE:</p> <ul style="list-style-type: none"> • Perform the following inspection/checks in accordance with the interval specified in 5-10-00, Inspections. • Each inspection item has an Inspection Reference Number (IRN) assigned for record keeping purposes only. References to maintenance manual instructions are shown on the summary sheet at the end of this section. • Ensure that Section 5-10-00 has been reviewed and all requirements have been accomplished. <p>CABIN</p>			
G5210060	<p>Inspect entire length of lower door cables for evidence of fraying or other damage. Door access panels must be removed.</p> <p>NOTE: Ensure that proper cable rigging of lower door cables has been performed when inspecting cables.</p>			
	EMPENNAGE			
E2360010	Visually inspect static dischargers.			
E2700007	<p>Visually inspect elevator, rudder, and rudder trim tab electrical bonding jumpers for security and general condition.</p> <p>NOTE: Check electrical bond of any suspect connection.</p>			
E2700008	Check for freedom of movement of all flight controls.			
E2710035	Inspect rudder trim tab installation for general condition and security.			

EFFECTIVITY: ALL

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PHASE A6 - 300 HOUR INSPECTION/CHECKS

IRN	INSPECTION	MECH	INSP	DATE
E3453003	Inspect antenna installations for security, corrosion, and proper tension of HF antenna wire.			
E5500000	Fillets, fairings, and skins for condition, cleanliness, and security of attachment.			
E5510010	<p>Conduct a thorough external visual inspection of the horizontal stabilizer forward and rear spar caps (upper and lower) for corrosion, integrity of paint, and general condition. (Elevator removal not required.) (See Figure 1.)</p> <p>NOTE: Inspection of the forward spar (upper and lower surfaces) is limited to the exposed portion of spar cap extrusion where the horizontal stabilizer leading edge and horizontal stabilizer skin interface.</p>			



Horizontal Stabilizer Forward Spar Cap Inspection
Figure 1

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PHASE A6 - 300 HOUR INSPECTION/CHECKS

IRN	INSPECTION	MECH	INSP	DATE
	FUSELAGE			
E5210010	Cabin door hooks for proper friction; door seals for adhesion, cuts, and abrasion; latch rigging, lower door at hinge for cracks in frame; and door jamb extrusion and latch receptacles for general condition and security.			
E5220000	Check operation of emergency exit door external and internal handle latching mechanism. Remove and reinstall emergency exit door to ensure freedom of operation and clearance of interior components.			
E5221000	Check exterior surface of hatch supporting structure for evidence of overload, loose or missing fasteners, and general security. Check operation of hatch handle. Remove and install hatch to ensure freedom of operation. <i>(Effective on Aircraft equipped with crew escape hatch.)</i>			
	WING			
E2360011	Visually inspect static dischargers.			
	SERVICING - FUSELAGE			
G1221022	Emergency Exit Door - Lubricate the following: a. External and internal latch pins. b. Internal latch handle pin. c. Bellcrank linkage. d. Drive bellcrank. e. Idler bellcrank.			
G1220028	Upper and Lower Entry Doors - Lubricate hinges and latch pins.			

EFFECTIVITY: ALL

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SUMMARY OF PHASE A6 - 300 HOUR INSPECTIONS FOR MODEL 35/35A36/36A								
Inspection IRN No. Ref.	REFERENCE							
	Maintenance Manual (Ch Ref.)	Structural Repair • Manual	Component Maintenance Manual	NDI Manual				
				X-Ray (Part 2)	Eddy Current (Part 3)	Optical Prism (Part 4)	Fluorescent Penetrant (Part 5)	Magnetic Particle (Part 6)
G5210060	-	-	-	-	-	-	-	-
E2360010	23-60-00	-	-	-	-	-	-	-
E2700007	-	-	-	-	-	-	-	-
E2700008	-	-	-	-	-	-	-	-
E2710035	-	-	-	-	-	-	-	-
E3453003	-	-	-	-	-	-	-	-
E5500000	-	-	-	-	-	-	-	-
E5510010	-	-	-	-	-	-	-	-
E5210010	-	-	-	-	-	-	-	-
E5220000	-	-	-	-	-	-	-	-
E5221000	-	-	-	-	-	-	-	-
E2360011	23-60-00	-	-	-	-	-	-	-
G1221022	12-21-04	-	-	-	-	-	-	-
G1221028	12-21-04	-	-	-	-	-	-	-

EFFECTIVITY: ALL