



F 2.1.023C	 <small>רשות התעופה האזרחית</small> <small>Civil Aviation Authority</small>	Inspector Handbook
Ramp Inspection Exterior		Revision 2
Inspection Job-Aid		30 Aug 2012

A. Landing Gears and Wheel Well area	
1)	Check for cleanliness;
2)	Check gears, doors, seals and bonding for structural integrity, corrosion, cracks, wear, cuts, torn and chafing lines, dents, nicks, peeling or other damages;
3)	Check hydraulic lines, fittings, gear struts, actuators, steering valves, etc. for leaks;
4)	Check the tires condition (wear, chafing, cuts, groves, cracks etc.);
5)	Check the tire pressure (if pressure indication system is installed);
6)	Check the wheels condition and safety locking devices;
7)	Check the brakes units for wear, line security, leaks, etc.;
8)	Check the condition of the electrical cables and connectors;
9)	Check placards and markings (presence and legibility);
B. Fuselage and pylons	
1)	Check the structure for cracks, corrosion, dents, or other damage;
2)	Check the fasteners and rivets for looseness, improper installation or missing parts;
3)	Check the radome and static dischargers for dents, paint peeling, delaminating of slides dischargers, lightning strike and locks condition;
4)	Check the pitot tubes condition;
5)	Check the static ports cleanliness and obstructions;
6)	Check the stall warning devices and other sensors condition;
7)	Check the antennas for cleanliness, security and indications of corrosion;
8)	Check cleanliness for stains or other indications of leaks;
9)	Check the lavatory servicing areas for evidence of fresh blue water streaks;
10)	Check the emergency exits markings (condition and legibility);
11)	Check the registration marking and name plates (presence and legibility);
12)	Check the lights general condition, broken lenses, etc.; If applicable, perform a functionality test;
13)	Check the inspection panels and blowout panels conditions (missing parts, looseness, or improper installation);
C. Doors	
1)	Check for missing parts, looseness, improper installation dents, paint peeling, locks, hooks and rollers condition;
2)	Check the seals integrity and condition;
3)	Check the placards and markings (presence and legibility);
D. Windows	
1)	Check the windows (cockpit and cabin) for delaminating, cracks and scratches;
E. Wings	
1)	Check the wings' structure for cracks, corrosion, dents, seals damage or absence and for other damage;
2)	Check the leading edges for dents or damage;
3)	If applicable, check the leading edge devices for leaks and the general condition of the lines and wires;

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	4)	Check for evidence of fuel leaks. If leak is present, the air operator must prove that the leak is within established limits;
	5)	Check the lights general condition (broken lenses, etc.); If applicable, perform a functionality test;
	6)	Check the flaps for cracks, corrosion, dents, and delaminating;
	7)	Check the flaps lines, wires, and plumbing general condition;
	8)	Check the ailerons and aileron tabs for cracks, corrosion, dents and delaminating;
	9)	Check the static dischargers presence and condition;
	10)	Check the inspection panels' for missing parts, looseness or improper installation.
	11)	Check the registration marking and placards for presence and legibility;
F. Engines		
	1)	Check the air intakes for cleanliness and general condition;
	2)	Check the fan blades for damages or oil leaks;
	3)	Check the cowls for structure damages, missing or loose fasteners, evidence of fluid leaks or leaks from the mast drain;
	4)	Check the exhausts for turbine and tailpipe damage and for evidence of fluids;
	5)	Check the thrust reverser doors for stowage, security and evidence of leaks, structure damages;
	6)	Check the access doors and panels for security and general condition;
G. Propellers		
	1)	Check the propellers blades' leading edges, trailing edges and surface for cracks, dents, delaminating, erosion, corrosion and other damage;
	2)	Check the propeller blades' anti-icing heating element for signs of deterioration and security;
	3)	Check the spinners for security, cracks and evidence of fluid leaks;
H. Aircraft tail section (Empennage)		
	1)	Check the leading edges for dents;
	2)	Check the elevators, rudder and tabs for cracks, corrosion, dents, and delaminating;
	3)	Check the elevators and rudder power units for evidence of hydraulic leaks;
	4)	Check the lights general condition (broken lenses etc.). If applicable, perform a functionality test;
	5)	Check the static dischargers presence and general condition;
I. Baggage		
Observe loading and/or unloading of baggage to include the following:		
	1)	Baggage compartments restraining system;
	2)	Load distribution.
J. Ground safety		
	1)	Check the positioning of the support vehicles;
	2)	Check the fire protection and, if applicable, special grounding measures;
	3)	Check for foreign objects on the apron;
K. Aircraft Fueling		
	1)	Check the fueling unit for cleanliness, leaks, filter change dates, provisions for grounding etc.;

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	2)	Check the fueling area for fuel spills;
	3)	If fueling is performed when passengers are embarking, on board or disembarking the aircraft, check for the following:
	a)	Qualified air operator's personnel are ready to initiate and direct an evacuation of the aircraft by the most practical and expeditious means available.
	b)	Two-way communication is maintained between the ground crew supervising the fuelling and the qualified personnel on board the aircraft.