



3.1.4 ACCOMPLISHMENT OF MAINTENANCE WORK

The scheduled maintenance inspections are done on the basis of Inspection Checklists in this section, which show the procedures and extent of each maintenance item in key-words.

Legend

- This maintenance item must be done at these intervals.
- This maintenance item must be done on HK 36 with Limbach 2400 engine at 50 hours

Record scheduled maintenance done on copies of the tables in this section and file it in the airplane log.

- | The maintenance and inspection work must be done by authorized personnel only.

HK 36 Series Maintenance Checklist		Interval		
No.	Inspection Items	100	200	1000
A. GENERAL				
0. AIRPLANE				
Model: HK 36 _____				
Serial number _____				
Call Sign _____				
Running time meter count _____				
Flight hours _____				
Scope				
Airframe <input type="radio"/> 100 h <input type="radio"/> 200 h <input type="radio"/> 1000 h				
Engine <input type="radio"/> 50 h <input type="radio"/> 100 h <input type="radio"/> 200 h <input type="radio"/> 1000 h				
Propeller <input type="radio"/> 100 h <input type="radio"/> 200 h <input type="radio"/> 1000 h				
0.1	Review Airplane Flight Manual Supplements for optional equipment that requires inspection.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0.2	Review Airworthiness Directives and Service Bulletins for airframe, engine, propeller and equipment for compliance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0.3	Check life limited components for expiration (refer to Section 3.1.3).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0.4	Clean the airframe, engine and the propeller thoroughly.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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HK 36 Series Maintenance Checklist		Interval		
No.	Inspection Items	100	200	1000
B. POWER PLANT				
1. ENGINE				
Type : <input type="checkbox"/> Limbach 2400 <input type="checkbox"/> Rotax 912 A <input type="checkbox"/> Rotax 912 S <input type="checkbox"/> Rotax 914 F				
Serial number : _____				
Running time meter count : _____				
Flight hours : _____				
Scope : <input type="checkbox"/> 50 h <input type="checkbox"/> 100 h <input type="checkbox"/> 200 h <input type="checkbox"/> 1000 h				
1.1	Remove upper and lower cowling, check for cracks, overheated spots, deformation, loose or missing fasteners; clean cowling.	<input type="checkbox"/> L	<input type="checkbox"/>	<input type="checkbox"/>
1.2	For HK 36 with Limbach engine: Check baffles for ineffective sealing, cracks deformation and missing fasteners.	<input type="checkbox"/> L	<input type="checkbox"/>	<input type="checkbox"/>
1.3	Do engine maintenance i.a.w the engine maintenance manual (refer to Section 3.1.2). At every oil change cut open the oil filter and check for metal pieces and foreign objects.	<input type="checkbox"/> L	<input type="checkbox"/>	<input type="checkbox"/>
1.4	If the external alternator is installed: Check alternator drive belt. Refer to Engine Maintenance Manual.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5	For airplanes serviced in accordance with 14 CFR part 91 and on airplanes registered in Russia: Do engine compression test i.a.w the engine maintenance manual (refer to Section 3.1.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6	For models with Rotax engines: Check coolant for poor condition or insufficient quantity. (Refer to Section 4.1.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7	For HK 36 TT*: Check coolant filler cap on dispatcher vessel for defective sealing; check pressure control valve and return valve for improper operation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.8	For models with Rotax engines (If installed): Check caution light for coolant level for malfunction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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No.	Inspection Items	100	200	1000
1.9	For models with Rotax engines: Clean coolant radiator ribs; check radiator for leakage, damage, insecure mounting and poor condition of fastening.	o	o	o
1.10	For models with Rotax engines: Check airbox for insecure attachment, cracks, leaks, deformation, and heat damage.	o	o	o
1.11	Check carburetor heat flap for looseness and improper operation. Note: Remove the air filter if necessary for inspection.	o	o	o
1.12	Clean oil radiator ribs; check oil radiator for leakage, damage, insecure mounting and poor condition of fastening.	o, L	o	o
1.13	Check compensator tubes between intake manifolds for chafing, leakage and insecure attachment. Note: To prevent fuel accumulation the tube must not sag.	o, L	o	o
1.14	For models with Rotax engines: Check oil tank breather for blockage (long term operation at low engine temperatures in combination with high air humidity leads to blockage of the breather).	o	o	o
1.15	Check engine mount for cracks, deformation, corrosion, missing fasteners and lack of safetying.	o, L	o	o
1.16	Check silent blocks for cracks and poor condition.	o, L	o	o
1.17	Re-torque bolts attaching engine mount to firewall (torque: 40 Nm (29.5 ft.lbs.)).			o
1.18	Check cabin heat hoses for obvious defects.	o, L	o	o
1.19	Check exhaust pipes, seals and clamps for damage.	o, L	o	o
1.20	Check heat exchanger (muffler heating jacket) for cracks and insecure mounting to the muffler; check hoses for insecure mounting.	o, L	o	o

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No.	Inspection Items	100	200	1000
1.21	Open heat exchanger, check muffler for cracks, deformation, and corrosion. Note: The connection sleeves are most susceptible to cracks.	o, L	o	o
1.22	Remove muffler and check for interior damage through connection sleeves.		o	o
1.23	Remove heat valve. Inspect gap between firewall sheet and firewall bulkhead for missing sealant and crumbling firewall insulation.			o
1.24	Check all nuts and bolts for looseness and obvious defects.	o	o	o
1.25	For HK 36 TT*: Check condensation screen in airbox pressure line for TCU (between firewall and instrument panel) for water accumulation and replace if necessary.	o	o	o
1.26	For HK 36 TT*: Check the three glass fuses on the right hand side of the firewall.	o	o	o
1.27	For HK 36 TT*: Open hose connection between carburetor heat flap and turbocharger. Check turbocharger for cracks in the housing and defective attachment. Check compressor wheel for damage and interference.	o	o	o
1.28	Check firewall breaches for leakage and insecure attachment of clamps and missing sealant.	o, L	o	o
1.29	Inspect the sealing of firewall sheet around the edges for cracks, disbonding of the sheet and crumbling firewall insulation.		o	o
1.30	Check fuel lines and all other hoses for leakage, chafing, kinks and improper routing; check clamps for looseness.	o	o	o
1.31	Not for HK 36 TT*: Open cap of electric fuel pump, clean filter and cap.	o, L	o	o

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No.	Inspection Items	100	200	1000
1.32	<p>Check all wires and electric installations for heat damage and chafing. Check all listed components for insecure attachment and leakage (if applicable). Check wire attachments and connectors for looseness by slightly pulling by hand.</p> <ul style="list-style-type: none">o Ground strapso Generatoro Startero Voltage regulatoro Oil temperature sensoro Oil pressure sensoro Cylinder head temperature sensor or if an engine with Suffix -01 is installed Coolant temperature Sensoro Sensor for caution light for coolant level (if installed)o Ignition coils and harnesso Intake Temperatureo Exhaust Temperatureo All Relays <p>For HK 36 TT*:</p> <ul style="list-style-type: none">o TCU, actuator (behind instrument panel)o Airbox pressure transducero Ambient pressure transducero Airbox temperature sensoro Throttle valve position sensoro Mixture switch valve	o	o	o
1.33	Check electric fuel pump for leakage and insecure mounting.	o, L	o	o
1.34	Check engine driven fuel pump for leakage and insecure mounting.	o	o	o
1.35	For HK 36 TTS and HK 36 TTC: Clean fuel filter in the filter box under the tank.	o	o	o
1.36	For HK 36 TT*: Check both electric fuel pumps for leaks and insecure mounting.	o	o	o

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HK 36 Series Maintenance Checklist		Interval		
No.	Inspection Items	100	200	1000
1.37	Check drain lines of carburetors, airbox and drip bowls for insecure attachment and poor condition; check drip bowl drains for blockage of transverse bores. HK 36 R only: check drip bowl outlets for dirt in the transverse holes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1.38	Check battery mount for poor condition; check acid level of battery.	<input type="radio"/> L	<input type="radio"/>	<input type="radio"/>
1.39	Check battery for poor charge and poor capacity.	<input type="radio"/> L	<input type="radio"/>	<input type="radio"/>
1.40	Check all control cables for insecure condition, rough operation interference and lack of operating clearance; check cable fixtures for looseness; check throttle control friction, adjust if necessary. <input type="radio"/> Throttle** <input type="radio"/> Choke <input type="radio"/> Carburetor heat <input type="radio"/> Cowl flap <input type="radio"/> Cabin heat <input type="radio"/> Propeller governor <input type="radio"/> Cabin Air ** For HK 36 TT* the dead travel of the throttle must be 1 mm (0.04 in.).	<input type="radio"/> L	<input type="radio"/>	<input type="radio"/>
1.41	Remove lower LH engine mount bolt and inspect for corrosion. Note: Corrosion of the engine mount bolt can be a sign for moisture in the firewall insulation.			<input type="radio"/>
1.42	Check for foreign objects.	<input type="radio"/> L	<input type="radio"/>	<input type="radio"/>

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No.	Inspection Items	100	200	1000
2. PROPELLER				
Type	<input type="radio"/> mt-propeller MTV 1-A/L160-03 <input type="radio"/> mt-propeller MT 170 R 125-2A <input type="radio"/> Hoffmann HO14-170 S 123	<input type="radio"/> mt-propeller MTV 1-A/170-08 <input type="radio"/> mt-propeller MTV 21-A-C-F/CF175-05 <input type="radio"/> Hoffmann HO-V352F-S1/S170FQ		
Serial number				
Running time meter count				
Flight hours				
Scope	<input type="radio"/> 100 h <input type="radio"/> 200 h <input type="radio"/> 1000 h			
2.1	Do propeller maintenance i.a.w the referenced propeller maintenance manual (refer to Section 3.1.2).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.2	Check spinner and spinner mount for cracks, dents, runout, and missing fasteners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.3	Check propeller track.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.4	Check blades for damage and cracks (refer to Propeller Manual).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.5	Fixed pitch propellers only: Remove propeller, check propeller flange for corrosion.		<input type="radio"/>	<input type="radio"/>
2.6	For variable pitch propellers: Remove spinner dome, check spinner backplate for cracks and insecure mounting.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.7	Check all parts for insecure mounting and defective safetying.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.8	Check propeller hub for cracks and corrosion.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.9	Tighten propeller flange bolts (refer to Propeller Manual for proper torque and procedure). Check safetying.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.10	For hydraulic constant speed propeller: Check propeller governor for insecure mounting.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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No.	Inspection Items	100	200	1000
2.11	For MTV-21 hydraulic constant speed propeller: Check pressure accumulator for insecure mounting; check gas pressure, refill if necessary (nitrogen or air, 8.5 bar (125 psi)). Note: For Serial numbers 36.800 and subsequent: While refilling the solenoid valve must be opened (solenoid under voltage).	o	o	o
2.12	For HO-V352 hydraulic constant speed propeller: Check propeller speed control cable for improper operation and obvious defects.	o	o	o
2.13	For HO-V352 hydraulic constant speed propeller: Check mechanical feathering device for improper operation and obvious damage; check thrust plate for excessive wear (max.: 0.2 mm (1/128 in.)) check all parts of the actuating mechanism and ball bearings for poor condition.	o	o	o
2.14	For HO-V352 hydraulic constant speed propeller: Clean thrust plate; slightly grease pitch change rods, ball bearings and thrust plate of mechanical feathering device with Calypsol H 443 or equivalent.	o	o	o

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No.	Inspection Items	100	200	1000
C. AIRFRAME				
	Serial number : _____			
	Running time meter count : _____			
	Flight hours : _____			
	Scope : <input type="radio"/> 100 h <input type="radio"/> 200 h <input type="radio"/> 1000 h			
3. CABIN				
	3.1 Check canopy for damage; check locking device for unserviceability.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	3.2 Inspect canopy cantilever, frame, fittings and the attachment at the backrest for damage and poor condition.			<input type="radio"/>
	3.3 Check canopy jettison device for improper operation.			<input type="radio"/>
	3.4 Check seat belts and shoulder harnesses and their fastenings for damage.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	3.5 Check elevator trim control system in center console for damage, interference, looseness of notch plate and improper adjustment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	3.6 Check rudder pedals for damage and corrosion, in particular in the area of the weld seams.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	3.7 Check rudder pedals for looseness, interference, and poor condition of recuperator springs. Check pedal adjusting device for improper operation. Lubricate, if necessary.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	3.8 Check parking brake valve for improper operation and leaky connectors and check Bowden cable for improper adjustment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	3.9 Inspect all Bowden cables for corrosion and poor condition.			<input type="radio"/>
	3.10 Check control cables in the area of the S-guides for chafing and broken strands.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	3.11 Inspect all rudder cable pulleys for play and excessive wear.		<input type="radio"/>	<input type="radio"/>

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No.	Inspection Items	100	200	1000
3.12	Check control sticks for interference, defective stops, and excessive play.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.13	Measure the play of aileron and elevator control system with one stick blocked. Max. allowable play: 3 mm (1/8 in.), measured on the trailing edge of the surfaces.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.14	Check air brake levers for improper locking and unlocking (in the retracted position); check air brakes for asynchronous extension. Tail wheel models through Serial No. 36.516 only: check for premature or delayed activation of wheel brakes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.15	Check all instruments, controls and handles for improper or missing markings, inscriptions or placards.		<input type="radio"/>	<input type="radio"/>
3.16	Remove instrument panel top cover; check all electric equipment, switches, instruments, and breakers for insecure mounting.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.17	Check fuel valve for insecure mounting.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.18	HK 36 TTC-ECO only: Check fuel selector valve for interference, improper latching, defective stops, and looseness.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.19	Check safetying of main bolts for unserviceability and poor condition.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.20	Check main bolts for interference, lubricate if necessary.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.21	Inspect copper bonding tape in front fuselage for delamination or disconnection.			<input type="radio"/>

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No.	Inspection Items	100	200	1000
4. STRUCTURE				
4.1	Check the skin of the wings, stabilizers, and fuselage for dents, cracks, holes, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.2	Tricycle Models only: Inspect entrance steps and composite structure in the attachment area for cracks and deformation.			<input type="radio"/>
4.3	Inspect all PAF and PAP bushings for corrosion, excessive wear and play.			<input type="radio"/>
4.4	Inspect all ball bearings for corrosion, excessive wear and play.			<input type="radio"/>
4.5	Inspect all rudder control cable pulleys for play and excessive wear.			<input type="radio"/>
4.6	Check winglets, horizontal stabilizer tips, and tail fins (if installed) for damage and looseness.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.7	Check ailerons for defective attachment and excessive play in hinges; check slot for imperfect or missing adhesive tape.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.8	Check aileron bellcrank and push-rods through inspection window for improper connection and improper safetying.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.9	Inspect all aileron push rod roller cages for corrosion, excessive wear and play.			<input type="radio"/>
4.10	Check aileron webs for delamination and defective bonds.			<input type="radio"/>
4.11	Check air brakes and air brake mechanism in wings and fuselage for damage, improper connection and improper safetying.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.12	HK 36 TTC-ECO only: Empty fuel tanks		<input type="radio"/>	<input type="radio"/>
4.13	Remove wings.		<input type="radio"/>	<input type="radio"/>
4.14	HK 36 TTC-ECO only: Check fuel tanks, fillers and drains for damage and leakage.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.15	HK 36 TTC-ECO only: Check fuel tank connectors (fuel hose, vent line, fuel quantity signal wire, ground strap) for damage.		<input type="radio"/>	<input type="radio"/>

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No.	Inspection Items	100	200	1000
	4.16 Measure forces for locking, unlocking and extending the air brakes.		o	o
	4.17 Check main bulkhead inside for damage and delamination.		o	o
	4.18 Measure LH and RH b-bolt hinge play between fitting surface and fuselage shell. Install a shim if play is greater than 0.2 mm (0.08 in).			o
	4.19 Check wing spar stump for damage and delamination.		o	o
	4.20 Check forward and rearward web of wing spar through holes in root rib and aileron inspection hole for defective bonds, cracks and delamination.			o
	4.21 Inspect elevator intermediate bearings for deformation, wear, corrosion and interference.			o
	4.22 Remove horizontal stabilizer, check brackets and locking ring for insecure attachment and corrosion; check locking ring for improper locking function.		o	o
	4.23 Examine horizontal stabilizer mounting bolts and bearing for wear and play.		o	o
	4.24 Examine forward attachment fitting in the inside of the horizontal stabilizer for poor condition and corrosion.			o
	4.25 <i>For Serial Nos. 36.301 through 36.416 if SB 51, Measure 2 has not been done:</i> Check elevator horn for defective attachment.	o	o	o
	4.26 Check horizontal stabilizer and elevator for insecure mounting; check elevator hinges for insecure attachment and improper safetying.	o	o	o
	4.27 Check both rudder hinges for insecure attachment and excessive play; check rudder control cables for damage, improper connection and looseness; check safetying of bolts on rudder lower mounting plate for damage; <i>tail wheel models only:</i> check lower edge of rudder for cracks and rubber marks.	o	o	o
	4.28 Inspect upper rudder hinge pin for corrosion and excessive wear (min. diameter 5.9 mm).			o

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No.	Inspection Items	100	200	1000
4.29	<i>Tail wheel models only:</i> check tail wheel steering mechanism and suspension for improper operation; check coil springs for play and improper installation.	o	o	o
4.30	<i>Tail wheel models only:</i> Check tail wheel fork and steering shaft for deformation.	o	o	o
4.31	Remove rudder; relieve tail wheel (if fitted); check rudder lower pedestal for deformation, cracks, and corrosion. Refer to Section 5.1.3	Tail wheel	o	o
4.32	<i>Tail wheel models only:</i> Remove tail wheel fork. Check steering shaft for deformation.		o	o
4.33	<i>Tail wheel models only:</i> Remove dowel pins, extract hub of the tail wheel fork (on upper edge of the oval fork arms). Check hub for deformation.		o	o
4.34	<i>Tail wheel models only:</i> tighten tail wheel rubber spring assembly.	o	o	o
4.35	<i>Tail wheel models only:</i> Inspect tail wheel for wear and excessive play.			o
4.36	<i>Tricycle models only:</i> Check tail skid for defective attachment and excessive wear.	o	o	o
4.37	Check vertical stabilizer stiffener and rearward ring frames for poor condition, cracks and defective bonds.	o	o	o
4.38	Check rearward parts of elevator control system for insecure attachment, improper installation, improper operation, excessive play, corrosion, and improper safetying.	o	o	o
4.39	Remove baggage compartment floor; check rudder control cables, rudder lever, and aileron and air brake control system parts for lack of operational serviceability, damage, corrosion, improper operation and improper safetying.	o	o	o

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No.	Inspection Items	100	200	1000
4.40	Remove panel on rear wall of baggage compartment; check fuselage tube for deformation and cracks; check roller cages of elevator push-rod for insecure attachment, wear and play; check control cables and turnbuckles for corrosion, wear and lack of safetying.	o	o	o
4.41	Check forward ring frames, B-bulkhead, and sickle shaped bulkhead for delamination, cracks, and defective bonds.			o
4.42	Remove seat shells, check for uncleanliness and loose equipment that might foul the controls.	o	o	o
4.43	<i>All models except HK 36 and HK 36 R:</i> check air brake fixture (next to LH air brake lever) for uncleanliness and wear.	o	o	o
4.44	Inspect main bolts for poor condition, wear and excessive play.			o
4.45	Inspect main bolt bushings for poor condition, wear and excessive play (Maximum play 0.1 mm).			o
4.46	Check main bulkhead and forward and rearward transverse stiffener for delamination and defective bonds.	o	o	o
4.47	Check firewall for delamination around engine mount attachment bolts.			o
4.48	Check fuel lines and central fuel reservoir (HK 36 TTC-ECO) or fuel tank (other models) for leakage; <i>airplanes registered in Russia only:</i> check vent line and additional vent bore for blockage; check central fuel reservoir (HK 36 TTC-ECO) or fuel tank (other models) for insecure or improper installation.	o	o	o
4.49	Check electrical installation and ground straps for chafing; check wire attachments and connectors for looseness by slightly pulling by hand.	o	o	o
4.50	Check Pitot tube, TEC nozzle (if installed), and antennas for insecure attachment.	o	o	o
4.51	Check drain holes and ventilation bores in wings, fuselage and control surfaces for blockage.	o	o	o

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4.52	Check aural stall warning system (if installed) for improper operation by applying negative pressure to the bore in the leading edge of the left wing.	o	o	o
4.53	Check aileron and air brake control system parts in root ribs (wing and fuselage) for insecure mounting and wear, lubricate if necessary.	o	o	o
4.54	Install wings.		o	o
4.55	<i>HK 36 TTC-ECO only:</i> Measure electrical resistance between tank filler and engine block (LH and RH wing, max. admissible: 0.5 Ω). Measure electrical resistance between drainer and engine block (LH and RH wing, max. admissible: 0.5 Ω).		o	o
4.56	Check fuel quantity indicator for improper indication.		o	o
4.57	Towing device and release mechanism (optional): clean and lubricate, check for poor condition and improper operation; check towing device mount for deformation, obvious damage, and defective attachment to the fuselage tube.	o	o	o

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No.	Inspection Items	100	200	1000
5. LANDING GEAR				
5.1	Clean landing gear; remove wheel fairings (if installed)	o	o	o
5.2	Check main landing gear strut for cracks, deformation and damage. Tail wheel models only: check strut for delamination; contact Manufacturer if GFRP strut is damaged.	o	o	o
5.3	Check brake linings for wear, minimum thickness (refer to Cleveland - Parker Maintenance Manual).	o	o	o
5.4	Check tires for cuts, excessive wear and defective valve stems; check slip marks.	o	o	o
5.5	Ensure correct tire inflation pressure <i>Tail wheel models:</i> main gear 2.1 bar (30 psi), tail wheel 3.1 bar (45 psi). If OÄM 36-369 is installed: main gear 1.2 bar (17 psi), tail wheel 3.1 bar (45 psi). <i>Tricycle models:</i> main gear 2.3 bar (33 psi), nosewheel 1.8 bar (26 psi).	o	o	o
5.6	Check rims for cracks; check bearings for rough running and play; check brake disks for wear (for minimum thickness refer to Cleveland - Parker Maintenance Manual).	o	o	o
5.7	<i>Tricycle models only:</i> check nose landing gear assembly for play, damage, deformation and cracks; check bearings in fuselage for play; check LH and RH journal in damper for play, lubricate.	o	o	o
5.8	<i>Tricycle models only:</i> Inspect nose landing gear elastomer damper, tighten if necessary.	o	o	o
5.9	Tricycle models only: Disassemble nose wheel damper. Inspect guide rod for corrosion and wear. Assemble nose wheel damper.			o
5.10	<i>Tricycle models only:</i> Remove nosewheel fork. Check vertical pivot and pivot bearing for corrosion and play.			o

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HK 36 SERIES
AIRPLANE MAINTENANCE MANUAL

Maintenance &
Inspections

HK 36 Series Maintenance Checklist		Interval		
No.	Inspection Items	100	200	1000
5.11	<i>Tricycle models only:</i> Unload nosewheel fork. Check for play and improper friction (3 to 5 daN / 6.7 to 11.2 lbs. along axle).		o	o
5.12	Inspect wheels for wear and excessive play.			o
5.13	Inspect all 4 MLG attachment bracket for deformation, cracks and corrosion. Remove 1 bolt of each bracket and inspect bracket on the inside for corrosion.			o
5.14	For tricycle models: Jack airplane. Lay a straight ruler on the upper side of the strut. Measure the maximum value of the gap between the ruler and the strut. Maximum allowed deflection: 3 mm (0.12 in).			o
5.15	Check main gear for corrosion and cracks.			o
5.16	For Tail wheel models: Inspect main landing gear strut for cracks in paint coat. If cracks (including hairline cracks) are noticed, remove the paint coat and inspect composite for delamination. Maximum allowed delamination 30 mm diameter. Record delamination in the aircraft log. Repaint area.			o
5.17	For tail wheel models with Serial No. 36.517 and subsequent and tricycle models: Check brake pedals for interference, play, and improper operation. Check mechanism for damage and wear.	o	o	o
5.18	Check brake cylinders and brake lines for leakage.	o	o	o
5.19	Check brake fluid for poor condition. Fill brake fluid reservoirs to maximum level. Note For tail wheel models with Serial No. 36.517 and subsequent and tricycle models: 15 mm (5/8 in.) below top).	o	o	o

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HK 36 Series Maintenance Checklist		Interval		
No.	Inspection Items	100	200	1000
5.20	<i>Tail wheel models with SB 42 installed:</i> Check differential wheel braking system for poor condition and improper operation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.21	Check brake lines and brake cylinders for leaks, damage, and corrosion.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.22	Install wheels and wheel fairings (if wheel fairings were installed), ensure a secure attachment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

D. GENERAL MAINTENANCE WORK

6.1	Check Pitot and static pressure system for leakage and dirt.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.2	Lubricate parts according to Lubrication Schedule.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.3	Check for imperfect or missing placards and inscriptions. Refer to Airplane Flight Manual Supplements for placards for optional equipment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.4	If necessary re-determine empty mass (weight) and corresponding CG position (see Section 4.2).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.5	Record inspection in log book.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.6	Perform check flight, do and record all items in the form "Check Flight".	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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