

# CESSNA 152 HK-2367-G

## Company Checklist



### NORMAL V - SPEEDS (KIAS)

VSO (Maximum weight) .....	35
VS .....	39
VR .....	50
VX .....	55
VY (sea level) .....	67
VY (10000 ft) .....	61
VFE .....	85
VNO .....	111
VA 1670 lbs .....	104
VA 1500 lbs .....	98
VA 1350 lbs .....	93
Best Glide (Flaps UP) .....	65
Best Glide (Flaps DOWN) .....	60
Max Demon X-Wind .....	12
Approach Flaps UP .....	60 - 70
Approach Flaps DOWN .....	55 - 65
Enroute Climb .....	70 - 80

### PREFLIGHT

#### 1. Cabin

Weather .....	CHECK
Weight & Balance .....	COMPLETE
Documents (AROW BOOK) .....	CHECK
POH .AVAILABLE IN THE AIRPLANE	
Inspection/AD status .....	CHECK
Fire Extinguisher .....	CHECK
Hobbs/Tach .....	CHECK
Ignition Switch .....	OFF
Avionics Power Switch .....	OFF
Master .....	ON
Fuel Quantity .....	CHECK
Fuel shutoff Valve .....	ON
Turn Coordinator .....	AUDIBLE
Flaps .....	30°
Lights .....	ON/INSPECT/OFF
Master .....	OFF
Electronic Flight Bag .....	INSTALL

### EXTERIOR INSPECTION

#### Aft Fuselage

Fuselage .....CHECK

#### 2. Empennage

Tail Tie-Down.....REMOVE

Control Surfaces.....CHECK

Antennas.....CHECK

#### 3. Right Wing Trailing Edge

Right Flap .....CHECK

Right Aileron.....CHECK

#### 4. Right Wing

Leading Edge .....CHECK

Fuel Quantity .....CHECK

Fuel Filler Cap .....SECURE

Fuel Sump CHECK

Main Wheel.....CHECK

Wing Tie Down .....REMOVE

#### 5. Nose

Oil Quantity (6-8 qts).....CHECK

Fuel Strainer .....|  |  |
| --- | --- |
| Cooling Inlets..... | CHECK |
| Prop & Spinner ..... | CHECK |
| Air Filter..... | CHECK |
| Alternator Belt..... | SECURE |
| Nose Wheel Strut/Tire..... | CHECK |
| Nose Tie-Down ..... | REMOVE |
| Static Source ..... | CHECK |

#### 6. Left Wing Forward

Leading Edge .....CHECK

Fuel Quantity .....CHECK

Fuel Filler Cap .....SECURE

Fuel Sump.....CHECK

Pitot Tube.....CHECK

Stall Warning.....CHECK

Main Wheel.....CHECK

Wing Tie Down .....REMOVE

NORMAL PROCEDURES

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NORMAL PROCEDURES

- 7. Left Wing Trailing Edge
- Left Aileron..... CHECK
- Left Flap ..... CHECK
- Preflight Checklist..... COMPLETE

### BEFORE STARTING ENGINE

- Passenger safety Briefing COMPLETE
- ATC Clearance ..... OBTAIN
- Seat/Belts/Harness ..... ADJUST
- Fuel Shutoff Valve ..... ON
- Avionics Master ..... OFF
- Circuit Breakers ..... CHECK
- Before Starting Eng. Checklist COMPLETE

### STARTING ENGINE

- Beacon & Navigation Lights ..... ON
- Mixture ..... RICH
- Carburetor Heat ..... COLD
- Fuel Selector Valve ..... ON
- Prime ..... AS REQUIRED
- Master ..... ON
- Propeller Area ..... CLEAR
- Ignition ..... BOTH
- Start Button ..... PRESS
- Throttle ..... 1000 RPM
- Oil Pressure ..... CHECK
- Mixture ..... LEAN for TAXI
- Starting Engine Checklist COMPLETE

### TAXI

- DO/VERIFY FLOW AND CHECKLIST
- Flaps ..... RETRACT
- Radios and Avionics ..... SET
- Transponder ..... STAND BY
- Brakes ..... CHECK
- Taxi Light ..... ON
- Flight Instruments ..... CHECK
- Taxi Checklist ..... COMPLETE

### RUNUP

- Brakes ..... APPLY
- Doors/Windows.. CLOSED AND LOCKED
- Seats/Belts Harness ..... SECURE
- Fuel Quantity ..... CHECK
- Fuel Selector Valve ..... ON
- Mixture ..... RICH
- Controls ..... FREE & CHECK
- Throttle ..... 1700 RPM
- Mixture ..... Adjust 3000'+
- Alternator ..... CHECK
- Ammeter / Voltage ..... CHECK
- Vacuum Gauge ..... CHECK
- Carburetor Heat ..... CHECK
- Magnetos ..... L&R (125/50)
- Engine Parameters ..... CHECK
- Throttle ..... IDLE 1000 RPM
- Throttle Friction Lock ..... ADJUST
- Elevator Trim ..... TAKE OFF
- RunUp Checklist ..... COMPLETE

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**NORMAL PROCEDURES**

### BEFORE TAKEOFF

Mixture ..... RICH  
Flaps ..... 0 (SOP)  
Transponder ..... STAND BY  
Before Takeoff Checklist ..... COMPLETE

### LINE UP

Landing lights ..... ON  
Transponder ..... ALT

### CALL OUTS (SOP)

Power Set ..... CHECK  
System ..... CHECK  
Airspeed ..... ALIVE  
VR/Rotate ..... 50 KNOTS

### SHORT-FIELD TAKEOFF

Brakes ..... APPLY  
Flaps ..... 10  
Carburetor Heat ..... COLD  
Mixture ..... RICH  
Throttle ..... FULL OPEN  
Brakes ..... RELEASE  
Engines Instruments ..... CHECK  
Elevator Control ..... TAIL LOW  
Climb ..... 54 KNOTS  
..... Then MAX PERFORMANCE CLIMB  
Brakes ..... APPLY Momentarily  
Short Field Takeoff Checklist ..... COMPLETE

### AFTER TAKEOFF

Flaps ..... AS DESIRED  
Airspeed ..... 70/80  
Throttle ..... FULL OPEN  
Mixture ..... ADJUST  
After take-off checklist ..... COMPLETE

### CRUISE

Power ..... 2200 RPM  
..... no more than 75%  
Mixture ..... ADJUST  
Elevator Trim ..... ADJUST  
Taxi & Landing Light ..... OFF  
Cruise Checklist ..... COMPLETE

### DESCENT

Approach Briefing ..... WHOLDS REVIEWED  
Mixture ..... ADJUST  
Power ..... AS DESIRED  
Carburetor Heat ..... AS REQUIRED  
Taxi & Landing Light ..... ON  
Descent Checklist ..... COMPLETE

### BEFORE LANDING

Fuel Selector Valve ..... ON  
Mixture ..... RICH  
Carburetor Heat ..... AS REQUIRED  
Flaps ..... AS DESIRED  
Elevator trim ..... ADJUST  
Before Landing Checklist ..... COMPLETE

### GO - AROUND

Throttle ..... FULL OPEN  
Flaps (Immediately) ..... RETRACT to 10°  
Airspeed ..... 55 KNOTS  
Flaps ..... 10° obstacle cleared RETRACT  
Carburetor Heat ..... COLD  
Go Around Checklist ..... COMPLETE

### NORMAL LANDING

Touchdown ..... MAINS  
Landing Roll ..... LOWER NOSE GENTLY  
Braking ..... MINIMUM REQUIRED  
Normal Landing Checklist ..... COMPLETE

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NORMAL PROCEDURES

### AFTER LANDING

- Flaps ..... RETRACT
- Mixture ..... ADJUST
- Transponder ..... STAND BY
- Landing Light ..... OFF
- After Landing Checklist... COMPLETE

### SHUTDOWN

- Landing Light ..... OFF
- Avionics Master ..... OFF
- Throttle ..... IDLE
- Mixture ..... IDLE CUT-OFF
- Ignition ..... OFF
- Flight/Flight time logger ..... RECORD
- Master ..... OFF
- Beacon/navigation lights ..... OFF
- Shutdown Checklist..... COMPLETE

### SECURE

- Electronic flight bag ..... REMOVE
- Fuel Selector Valve ..... OFF
- Trash..... REMOVE
- Doors/Windows ..... LOCKED
- Secure Checklist..... COMPLETE

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### EMERGENCY PROCEDURES

#### ENGINE FAILURE DURING TAKEOFF RUN

Throttle ..... IDLE  
Brakes ..... APPLY  
Flaps ..... RETRACT  
Mixture ..... IDLE CUT-OFF  
Ignition ..... OFF  
Master ..... OFF

#### ENGINE FAILURE AFTER TAKEOFF

Airspeed ..... 65 FLAPS UP  
..... 60 FLAPS DOWN  
Mixture ..... IDLE CUT-OFF  
Fuel Selector Valve ..... OFF  
Ignition Switch ..... OFF  
Flaps ..... AS REQUIRED  
Throttle ..... IDLE  
Master ..... OFF  
Seat Belts ..... ENSURE SECURED  
Cabin Doors ..... UNLATCH  
Land ..... STRAIGHT AHEAD

#### ENGINE FAILURE DURING FLIGHT

Airspeed ..... 65  
Mixture ..... RICH  
Fuel Selector Valve ..... BOTH  
Carburetor Heat ..... ON  
Ignition ..... BOTH  
..... (START If propeller has Stopped)  
Primer ..... IN and LOCKED

### FIRES

#### FIRE DURING ENGINE START

Cranking ..... CONTINUE  
Power ..... 1700 RPM  
Engine ..... SHUTDOWN  
Throttle ..... FULL OPEN  
Mixture ..... IDLE CUT-OFF  
Ignition ..... OFF  
Parking Brake ..... RELEASE  
Fuel Selector Valve ..... OFF  
Fire Extinguisher ..... OBTAIN  
Airplane ..... EVACUATE  
Fire ..... EXTINGUISH  
Fire Damage ..... INSPECT

#### ENGINE FIRE IN FLIGHT

Mixture ..... IDLE CUT-OFF  
Fuel Selector Valve ..... OFF  
Master ..... OFF  
Cabin Heat & Air ..... OFF  
Airspeed ..... 100  
(If fire is no extinguished increase  
glide speed to find and airspeed which  
will provide an incombustible mixture)  
Forced Landing ..... EXECUTE

#### SPIN RECOVERY

Throttle ..... IDLE  
Ailerons ..... NEUTRALIZE  
Rudder. FULL OPPOSITE DIRECTION OF  
SPIN  
Yoke ..... BRISK FORWARD  
Controls. HOLD UNTIL ROTATION STOPS  
Rudder ..... NEUTRALIZE  
Spiral Dive ..... RECOVER

ABNORMAL PROCEDURES