

## N49SJ NORMAL CHECKLIST

### DESCENT

Fuel quantity/selector	Checked/normal
Brake/hydraulic pressures	Checked/Breaker In
Caution lights	Appropriate
Anti-ice/de-ice	As needed
Altimeters	Set
Approach briefing	Complete
Seat belts/sign	On/As Required
Landing lights	On

Vref (Vs x 1.3)					
Flaps	12300	11500	10500	9500	8500
Up	94	90	86	82	77
10	85	83	79	75	71
20	80	77	73	70	66
Full	74	70	67	64	60

### BEFORE LANDING

Nosewheel steering	Centered
Flaps	As desired
Propellers	Forward

### AFTER LANDING

Flaps	Up
Bleed air	Off
Anti-ice/de-ice	As needed
Transponder & Radar	Standby
Trim tabs	Reset for take-off

### SHUT DOWN

Parking brake	Set
Power levers	Flight idle
Propellers	Feather
Generators	Off
All light switches	Off
Radio Master Switch	Off
Fuel levers	Off
Boost pumps	Off ( when Ng below 10%)
D.C. Master	Off
Battery switch	Off

Standby Attitude Indicator Power Off  
(requires pushing the button two times, confirm flagged!)

Control locks	Install
Security locking devices	Install
Paperwork	Begin

## N49SJ NORMAL CHECKLIST

### BOARDING AIRCRAFT

Preflight inspection	Complete
Security locking devices	Remove

### BEFORE STARTING

Parking brake	Set
Wing tank boost pumps	Off
Fire T Handles	In
Emergency fuel switches	Normal
Altitude Selector switch	On
Trim Switch	On
Emergency pumps	Off
Fuel selector	Normal
Fuselage boost pumps	Off
Transmit disable switches	Down Position
XM cabin audio switch	Off
Aux power switch	Off
Radio master switches	Off
Static source	Normal
Vent fan	Off
All circuit breakers	Checked
De-icing switches	Off
Bleed air switches	Off
Cabin lighting and signs	As required
Pitot heat	Off
Beacon	On
Generator switches	Off
Bus tie switch	Normal
Flap handle	Up
Fuel levers	Off
Propeller levers	Feather
Power levers	Flight idle
Windshield heat & wipers	Off
Landing/pulse lights	Off
Ignition switch	Normal
D.C. Master	On
External/battery switch	Battery
Bus voltage	18V minimum
Caution lights	Test
Fire detection	Test
Fuel quantity/selector	Checked/Normal
Fuel quantity indicators	Test
Cross feed	Checked
Emergency pumps	Checked
Boost pumps	Test
Brake & hydraulic pressure	Checked

## N49SJ NORMAL CHECKLIST

### ENGINE START BATTERY

Propellers	Forward
Boost pumps	On, lights out
Start switch	On, GENERATOR light out
Fuel lever	On (Ng stable above 12%)
Start switch	Off @ 50% Ng
Engine instruments	Stable & within limits
Battery voltage	Sufficient

Start second engine.

### ENGINE START EXTERNAL

External/battery switch	External
Bus voltage	28 VDC
Boost pumps	On, lights out
Start switch	On, GENERATOR light out
Fuel lever	On (Ng stable above 12%)
Start switch	Off @ 50% Ng
Engine instruments	Stable & within limits

Start second engine.

External/battery switch	Battery
External power	Disconnect

### AFTER START

Power levers	Idle Ng + 15%
Generators	On, GEN lights out
Load meter	GEN loads less than .5
Power levers	Flight Idle
Engine instruments	Stable and within limits
Radio masters	On
Caution lights	Appropriate
3 altimeters and 1 clock	Set
CVR, EGPWS, TCAS	Tested
Boarding stairs	Clear
AHRS1 and 2	Initialized

### TAXI

Brakes	Checked
Nosewheel steering	Checked
AHRS 1 & 2	proper and harmonious
Compass, needle, ball	
Taxi light and strobe light	On

### RUN UP

Parking brake	Set
Propellers Manual Feather	Reset Light/Checked
Beta range lights	Checked
Prop overspeed governor	Tested
Auto feather	On/tested
Inverter	Switch 1 or 2
Specific systems if needed for flight	Checked

## N49SJ NORMAL CHECKLIST

### BEFORE TAKE-OFF

Trim tabs	Set for take-off
Propellers	Forward
Flaps	Set 10 degrees
Bleed Air	Checked/ set as needed
Auto-Feather	Selected
AHRS & Flight instruments	Checked and set
Nav/Com radios	Set
Crew briefing	Complete
Anti-ice/de-ice	Checked/set as needed

### LINE-UP

Flight controls	Free/full travel
Transponder	Correct code/On/Alt
Pulse lights & strobe	On
Caution lights	Appropriate

### DHC-6 TAKE-OFF POWER SETTINGS

Intake deflectors retracted /Heater off.

P.A.	Reported OAT in degrees Celsius						
	5	10	15	20	25	30	35
2000				50	48	46	44
3000			50	48.3	46.4	44.4	42.4
4000		50	48.7	46.9	44.9	43	41.2
5000	50	48.3	46.5	44.7	42.9	40.9	39.2
6000	48.1	46.5	44.6	42.9	41.1	39.4	37.6
7000	46	44.4	42.7	41	39.4	37.7	36

### CLIMB

Flaps	Up
Autofeather	Off
Climb power	Set
Nosewheel steering	Centered

### CRUISE

Cruise power	Set
Landing lights	As needed
Engine trend	As needed

### SMOKEJUMPER / PARACARGO

Pulse lights	ON
Airspeed	90 knots
Flaps	Set 10 degrees
Propellers	As required