**N70TB – Beechcraft A36 Bonanza – S/N E-1289**

**Before Start**

Fuel – on proper tank

Beacon – on

Gust lock – removed

Cowl flaps – open

Trim – take-off (3° or 6°)

Landing gear switch – down

Circuit breakers – check

Avionics – off

Emg gear crank – accessible

Seats, seat belts – secure

Prop – high RPM

Throttle – wide open

Mixture - rich

Brakes – set

Prop – clear

Battery – on

**Cold Start**

Fuel pump – prime

Throttle – idle

Mags – start

Oil pressure – check

Alternator – on

Mixture – lean as req.

**Warm Start**

Throttle – idle

Mags – start

Throttle – advance until engine fires, then idle

Oil pressure – checked

Alternator – on

Mixture – lean as req.

**After Start**

Flight displays – on

Avionics – on

Lights – as req.

**Run-Up**

Brakes – set

Fuel – fullest tank

Flight controls – free&corr.

A/P disconnect – check

Yaw damper – off

Mixture – best power

Throttle – 1,700 RPM

Mags (L/R) – check

Prop – cycle

Engine Instruments – check

Throttle – idle

**Pre Take-Off**

**Mixture – best power**

**Prop – high RPM**

**Trim - take-off (3° or 6°)**

**Cowl flaps – open**

**Flaps – up**

**Flight Director – TOGA**

Pitot heat – as req.

Doors/window – locked

Landing light/strobes – on

**Departure Briefing**

Threats

Expectations

Normal Departure Proc.

Emergencies

**Take-Off**

Throttle – full

Rotate – 75-80 KIAS

vy – 96 KIAS

Cruise climb – 120 KIAS

**Climb**

Gear – up

Yaw damper – on

Mixture – maintain EGT

**Cruise**

Prop – 2,500 RPM

Cowl flaps – closed

Mixture – as req.

**Before Landing**

Gear – down and locked

Landing light – on

Mixture – as req.

On final – GUMP,  
 yaw damper off

**After Landing**

Lights – as req.

Flaps – up

Cowl flaps – open

Trim – take-off (3° or 6°)

Flight plan – close