

Challenger 350 Quick Reference Guide

Taxi (Dep.)

- Breakaway, use minimal thrust. No more than 30% N1 on ground
- Little thrust required to keep movement going
- Will accelerate slightly at idle thrust
- 90° turns, no more than 10kts GS // 15-25kts normal straightaways
- Taxi to runway on both engines

Takeoff

- Flaps 10 for all departures
- Flaps 20 for runways 4000ft
- Advance PWR to T/O Power
- If at MTOW, Rotate around **137kts** (lighter TOW = lesser speed req'd)
- Positive Rate - **Gear up**
- Initial pitch 12.5 - 15° nose up at a rate of 3-5°/sec.
- No more than 30° bank (above 400ft AGL)
- **Gusty/Crosswinds:** Apply appropriate aileron correction into wind

Acceleration Alt. (400ft AFE)

- Set Climb Thrust 2%N1 less than T/O PWR
- Flap Retraction - Flaps 0 at or around 170kts. Before reaching 210kts
- Clean (gear & flaps up) while accelerating aircraft at a stable rate

Climb

- 250kts to 10,000ft
- CLB Spd: 280kts/M0.80

Cruise

- M0.80-M0.82
- Max ALT for a MTOW dep is FL430. Wait 1-2hrs before going to FL450.

Fuel Planning

- For maximum efficiency, step climb as appropriate. Consider taking into account aircraft weight, winds and direction of travel

DO NOT exceed 92% N1 in cruise

Descent

- VNAV as appropriate. Descend via Mach #. Transition to 310kts.

Arrival Planning

- 250kts below 10,000ft @ rates ≤1500fpm
- Landing lights on at 18,000ft

Arrival (Configure) Suggested Extension Speeds

- Flaps 10 - 210kts (205kts)
- Flaps 20 - 210kts (190kts)
- Flaps 30 - 175kts (170kts)

Glideslope Capture

- Flaps 10, within 15-20nm of airport or if slowed by ATC.
- Flaps 20, one dot below GS capture / within 10nm of airport
— Intercept —
- Gear down, & start gradual deceleration towards Vref
- Flaps 30 prior to the final approach fix or 5nm final slow to Vref+10
- Start APU upon receiving **Landing Clearance**
- Stable prior to 1000ft AGL (**1-2° pitch nose up on final -> threshold**)

Landing

- GPWS callouts
- Be at Vref over the runway threshold
- 20 - 50ft, start to reduce power to idle
- Increase pitch to about 2.5° and hold aircraft off runway.

Reversers & Taxi (Arrival)

- Touch down and apply MAX reverse thrust.
- @60kts, slowly reduce to Idle.
- Taxi to parking on both engines
- Exit high-speed taxiways at <30kts or 8-12kts any other taxiway
- Shutdown engines, lights, turn pax signs off, and open doors.

// Express gratitude for the tip that your passenger gave you\\ 🙏