

Standard Recovery Technique

(Be Smooth - Don't Pump)

Def'n – 5 degree pitch, 15 KIAS, 500 FPM, 1 Dot G/S, Any "Pull-Up"

Condition	PF		PM	
	Do	Say	Do	Say
Windshear				
±15 Kias ±500 fpm ±5° pitch ±1 dot G/S unusual thrust lever position OR WINDSHEAR Warning	Push G/A Button Push Firewall Click Disconnect A/T Click Disconnect A/P Push Spdbrks- Down Pitch - 15° up to PLI	<i>Windshear Firewall</i>	Monitor altitude Confirm: Firewall Power AFDS G/A Mode A/T Off A/P Off Speedbrakes- Down Check ADI has: Blank↓ FD G/A→ G/A↑	<i>Recover</i>
Windshear Guidance	Fly pitch bar Honor Stick Shaker. Pitch as req'd to not hit ground.		Say Radar Altitude and Trend only. Do not say A/S until well clear.	<i>Windshear Guidance</i> <i>200 sinking,</i> <i>1700 climbing</i>
Clear of Windshear and Climbing after Takeoff	Pitch - 15° Power - Straight up Flight Controls Positive Rate Gear -Up VNAV CLB PWR Flaps 5 MCP - CBS, HDG&ALT A/T↓ CMD Pitch→Lateral↑	<i>Positive Rate Gear-Up VNAV CLB PWR Flaps 5 Make PIREP and confirm clearance</i>		<i>Clear of Windshear</i>
Clear of Windshear and Climbing after Missed App	Pitch - 15° Power - Straight Up Hit G/A button Flight Controls Flaps - 20... Positive Rate Gear -Up MCP - CBS, HDG&ALT A/T↓ CMD Pitch→Lateral↑	<i>Go-Around Flaps - 20 Positive Rate Gear -Up CLB Thrust Bug 180 Select SPD Flaps - 5 HDG SEL Make PIREP and confirm clearance</i>	As Requested	<i>G/A Selected Positive Rate Bug 180 Select SPD Flaps - 5 HDG SEL Tower, Delta 123, PIREP...</i>
	Flaps - up on schedule	<i>Center A/P On After Takeoff ✓ Make PIREP</i>		

Condition	PF		PM	
	Do	Say	Do	Say
Terrain				
Any PULL UP	Push G/A Button Push Firewall Click Disconnect A/T Click Disconnect A/P Push Spdbrks- Down Pitch - 20°+ up to PLI	<i>Terrain Firewall</i>	Monitor altitude Confirm: Firewall Power G/A Mode A/T disconnect A/P disconnect Speedbrakes - Down Check ADI has: Blank↓ FD G/A→ G/A↑	<i>Recover</i> <i>1000 sinking</i> <i>1500 climbing</i>
WHOOP, WHOOP, PULL UP				
TERRAIN, TERRAIN, PULL UP				
Clear of Terrain and Climbing	Pitch - 15° Power - Straight up Hit G/A button Flight Controls Flaps - 20... Positive Rate Gear -Up MCP - CBS, HDG&ALT A/T↓ CMD Pitch→Lateral↑	<i>Go-Around Flaps - 20 Positive Rate Gear -Up CLB Thrust Bug 180 Select SPD Flaps - 5 HDG SEL Make PIREP and confirm clearance</i>	As Requested	<i>G/A Selected Flaps - 20 Positive Rate CLB Thrust Bug 180 Select SPD Flaps - 5 HDG SEL Tower, Delta 123, Missed App., PIREP...</i>
	Flaps - up on schedule	<i>Center A/P On After Takeoff ✓ Make PIREP</i>		

Gotcha - After disconnecting all, do not press G/A button as it will re-engage A/T

Reactive Windshear (GPWS) is armed

- o < 1500'

Predictive Windshear system is enabled

- o < 2300'

- o T/O Power

- o < or = 40 mile range

Predictive Windshear alerts are available

- o < 1200'

- o T/O Power +12 seconds

Predictive Windshear

- o Caution 50 degrees wide – 0.5 miles to 3 miles

- o Warning – straight ahead – 0.5 mi to 3 mi (gnd) or 0.5 to 1.5 mi (inflight)

Predictive Windshear Inhibits

- o Caution – 80 Kts to 400'

- o Warning – 100 Kts to 50'

- o Terrain mode inhibits display of Predictive windshear on HSI

A/T↓ CMD

Pitch→Lateral↑

Since ALT CAP is likely in recovery from recovery, suggest selecting SPD button as standard

Note: On Windshear – may get TO – TO not G/A – G/A on some planes