

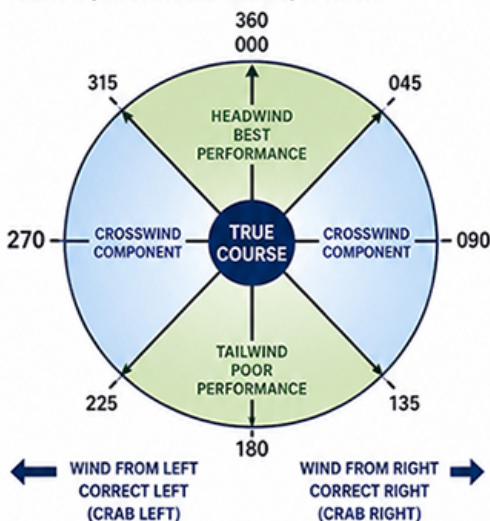
WIND CARD

HEADING CORRECTION – FOR CESSNA 150L

QUICK • ACCURATE • SAFE

1. FIND YOUR TRUE COURSE AND WIND DIRECTION

Use the circle below to see where the wind is coming from relative to your course and which way to correct.



Wind is reported as the direction FROM which it is blowing.
Choose the wind direction on the circle and see which side it comes from relative to your course.

2. FIND YOUR WIND CORRECTION ANGLE (WCA)

Use this table to find an approximate WCA.

Designed for Cessna 150L

Typical True Airspeed (TAS): 85–90 KTAS

Choose the column closest to your TAS.

ANGLE BETWEEN WIND DIRECTION AND COURSE (READ ON THE CIRCLE)	WIND CORRECTION ANGLE (WCA) IN DEGREES		
	80 KTAS	85 KTAS	90 KTAS
10°	1°	1°	1°
20°	1°	1°	1°
30°	2°	2°	2°
40°	2°	2°	2°
50°	3°	3°	2°
60°	4°	4°	3°
70°	5°	5°	4°
80°	6°	6°	5°
90°	7°	7°	6°
100°	6°	6°	5°
110°	5°	5°	4°
120°	4°	4°	3°
130°	3°	3°	2°
140°	2°	2°	2°
150°	2°	2°	2°
160°	1°	1°	1°
170°	1°	1°	1°
180°	0°	0°	0°

WCA is always toward the wind.

If the wind is from your left – use LEFT WCA.

If the wind is from your right – use RIGHT WCA.

3. HOW TO USE – STEP BY STEP

- Determine your TRUE COURSE.
Find it at the center of the circle.
- Find the wind direction (the direction FROM which the wind is blowing) on the outer ring.
- See which side the wind is coming from.
Left side = Correct Left.
Right side = Correct Right.
- Read the angle between the wind direction and your course. (Count the degrees on the circle.)
- Go to the table above. Pick the column closest to your TAS and read across to find your WCA.
- Apply the WCA to your TRUE COURSE to get TRUE HEADING.
Left correction → Subtract WCA.
Right correction → Add WCA.
- Convert TRUE HEADING to MAGNETIC HEADING.
Apply Magnetic Variation (E or W).
Then apply Compass Deviation to get COMPASS HEADING.
That is the heading to fly.

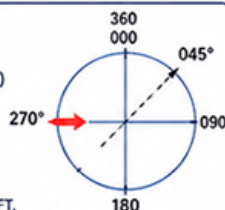
EXAMPLE

True Course: 045°

Wind: 270° at 20 kt (from the west)

TAS: 85 KTAS

- On the circle: Course 045°.
- Wind from 270° (west).
- Wind is from the LEFT → Correct LEFT.
- Angle between 270° and 045° is 135°.
- From the table (85 KTAS column) at 135° → WCA = 3°.
- Left correction → Subtract 3°.
True Heading = 045° – 3° = 042°.
- If Variation is 10°W:
Magnetic Heading = 042° + 10° = 052°.
Add deviation (example +2°) → Compass Heading = 054°.
Fly 054° on the compass.



WCA QUICK REFERENCE (85 KTAS)

ANGLE BETWEEN WIND & COURSE	0°	30°	60°	90°	120°	150°	180°
WCA (deg)	0°	2°	4°	7°	4°	2°	0°

Use the full table above for other angles and airspeeds.

TIPS & REMINDERS

- Winds are reported as the direction FROM which they blow.
- Use true directions for course and wind.
- The greater the crosswind component (near 90°), the greater the correction.
- Always verify with your flight computer, E6B, or app for critical navigation.

