

1989 PRINDLE 18 TUNING GUIDE CONT.

TUNING DOWNWIND

LIGHT TO MEDIUM AIR

MAIN - Downhaul	From upwind setting loosen 1-2"
Outhaul	Foot Batten curve - 4"
Mainsheet	Light tension
Traveler	End
Rotation	90-100 degrees
JIB - Jib Sheet	Tighten for speed - loosen to steer lower
Barber Hauler	All the way out

TUNING DOWNWIND

MODERATE TO HEAVY AIR

MAIN - Downhaul	From upwind setting loosen 1"
Outhaul	Foot batten curve - 4"
Mainsheet	Trim for leeward tell tales - <u>Tw st</u>
Traveler	0-12 from the end
Rotation	100 degrees
Jib - Jib Sheet	Tighten to catch waves - Ease while riding waves
Barber Hauler	Max to 5" ease

RIGGING AND SET UP

Mast Rake	Forestay length - bridle shackle pin to mast hound hole 20' 11" - 21' 1"
Rudder Rake	From straight edge along transom to tip of rudder - 1/2' forward
Steering Slop	Wrap plumbers tape in adjusting threads of tiller bar No slop tiller kit Shim rudders for tight fit in rudder heads
Jib Leads	Aft grommet hole
Diamonds	18 - 24"
Spreader Rake	1 1/4" aft of mast
Jib Sheet Pendant	12"
Shroud Tension	Very tight but eased enough so the mast can rotate downwind in medium air



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PRINCIPLE SPEED SEMINAR

1. "How to Rake Aft Without Weather Helm"
 - A. Open Mainsail Leach
 1. With Mast Bend
 - a. Flattens Main
 - b. Opens Upper Leach of Main
 2. With Downhaul
 - a. Cloth Stretch
 - b. Compression Bend
 3. Stiff Top Batten
 4. on '18' with Rotation
2. "How to Accelerate in the Puffs Upwind"
 - A. Jib Slot Control
 1. Low Tack
 2. Aft Leads (helped by mast rake)
 - B. Main Leach Control
 1. Tight for Power and Pointing
 2. Open for Speed
 - C. on '18' Diamond Wire Adjustment



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PRINDLE '18' SET UP AND NOTES

- FORESTAY: BRIDLE SHACKLE PIN TO HOUND HOLE- 20' 11 7/8 "
- SIDE STAY: SHROUD BOLT HOLE TO HOUND HOLE-SHROUD + TOGGLE + 1" SHACKLE
- SPREADER RAKE: 1 3/4" AFT OF MAST
- DIAMONDS: 24" UP FROM TANG HOLE
- JIB PENDANT LENGTH: 18" MAX.
- MAINSHEET PENDANT LENGTH (WITH LOW PROFILE) 8" MAX.
- RUDGER RAKE: 1/4 " FORWARD OF STRAIGHT EDGE ON TRANSOM



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PRINDLE TUNING DOWNWIND

3. "What to look for Downwind"

A. Jib

1. All Tell Tales Breaking Evenly

a. Adjust with Barber Haulers then tie Knots

2. Sheet Tension

a. Tighter-Faster

b. Looser- Lower

B. Mainsail

1. Lower Tell Tales-Traveler

2. Upper Tell Tales-Mainsheet

Steering

1. Downhill

2. Apparent Wind