



2020 600R SnoX Race Prep List

1. Set IFS coil spring preload to 1/4", with skis off the ground
2. Check engine coolant level and routing of overflow hose
3. Check chain case oil level
4. Check chain case chain tension (hand tight, then 1/2" turn loose)
5. Check drive belt deflection
6. Check for full open of throttle (carburetor slides are topped out)
7. Check steering rack/lower steering post is centered to upper post (adjust steering drag link if necessary)
8. Check steering post has free movement thru travel
9. Check ski alignment (1/4" toe out)
10. Check Alignment of primary and secondary clutch's (new alignment tool (#AXYS19AL) is required, contact Scott.Wilczek@polaris.com at the Polaris Race Dept.)
11. **Install the 2 middle seat base bolts (They are in the sleds parts bag)**
12. **Install the resonator to over structure mounting bolt and steel (Gold color) bushing. Before installing clean up internal threads with M8x1.0 tap (Bolt & Bushing are in the sleds parts bag)**
13. **Align track and adjust tension** (raise rear of sled and measure tension where there is the most drop in the track, adjust until top of track drive cog is flush with bottom of hyfax)
14. Check brake line routing path
15. Silicone throttle cable tab into throttle lever
16. Silicone belly pan to chassis, plenum (air intake under hood) to hood
17. Silicone and/or install closed cell foam to seal headlight to hood
18. Radius 90 deg edge on outside of throttle block
19. Move throttle lever pin washers to underside of lever
20. **Click ignition timing box from G to D**
21. Grease inside of lower limiter straps to allow smooth pivoting action of limiter strap on lower cross shaft
22. Set preload of front track coil over spring (1/8") with limiter straps in place
23. Safety wire front track spring clip to shock shaft eyelet to prevent spring clip from moving or coming off

POLARIS RACING

24. Replace stock kill switch with push button kill switch (#4010311)
25. Check choke lever/cable tension
26. Install snow flap straps that meet ISR rules for competition (www.isrracing.org)
27. **Verify the Rear track shocks Rebound clicker is facing down (towards the ground). Rotate 180 degree's if facing up**
28. Verify the rubber seal around the tach is square and tight to the plenum
29. When studding the track, the maximum number of studs allowed is 108. The 2020 600R track has a unique lug layout. The recommend starting point for stud quantity is 2 studs behind every Lug (there are 27 lugs on the track) for ISOC Nationals via standard double Super light backers or standard Pro Series backers (**Not *Plus series**). For CSRA, ECS and Reginal tracks where there is more ice the suggested stud pattern is 108 studs via double standard Super light backers or standard Pro Series backers (**Not *Plus series**). Contact Stud Boy (<https://studboytraction.com/>) for optional stud patterns. The next page has the Polaris Racing recommended stud patterns.
30. It is recommended to install bulkhead reinforcement braces from Rox Speed FX. (<https://roxspeedfx.com/>)
31. The Polaris Race Dept. has a side panel strap kit available for tool free side panel removal (#0818004). Contact Scott Wilczek at Scott.Wilczek@polaris.com to order.
32. Extra venting is allowed in all stock SnoX classes. Visit the "Racer Resources" website <https://snowmobiles.polaris.com/en-us/team-polaris/racer-resources/> and go under "SnoCross" to download the ISR approved document for permitted venting.

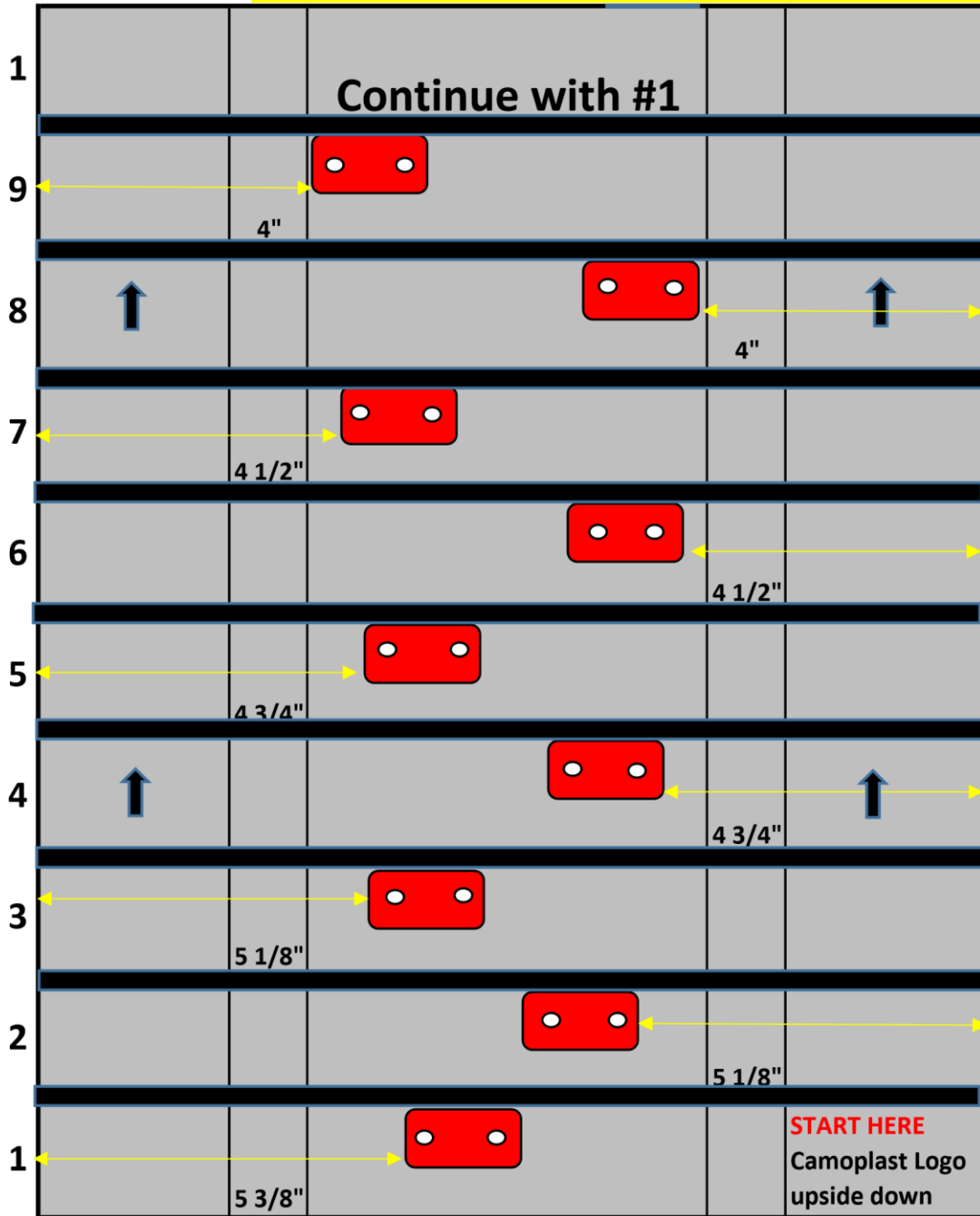
For updates throughout the race season visit the Polaris Racing "Racer Resources" page at <https://snowmobiles.polaris.com/en-us/team-polaris/racer-resources/>



2020 POLARIS TRACK
#5456604 SNOCROSS
54 STUD PATTERN **STANDARD** DOUBLES

This pattern will require: 54pcs 1.875" Power Point Studs

27pcs - STANDARD size Double Backers
any of our Standard size double backers will work

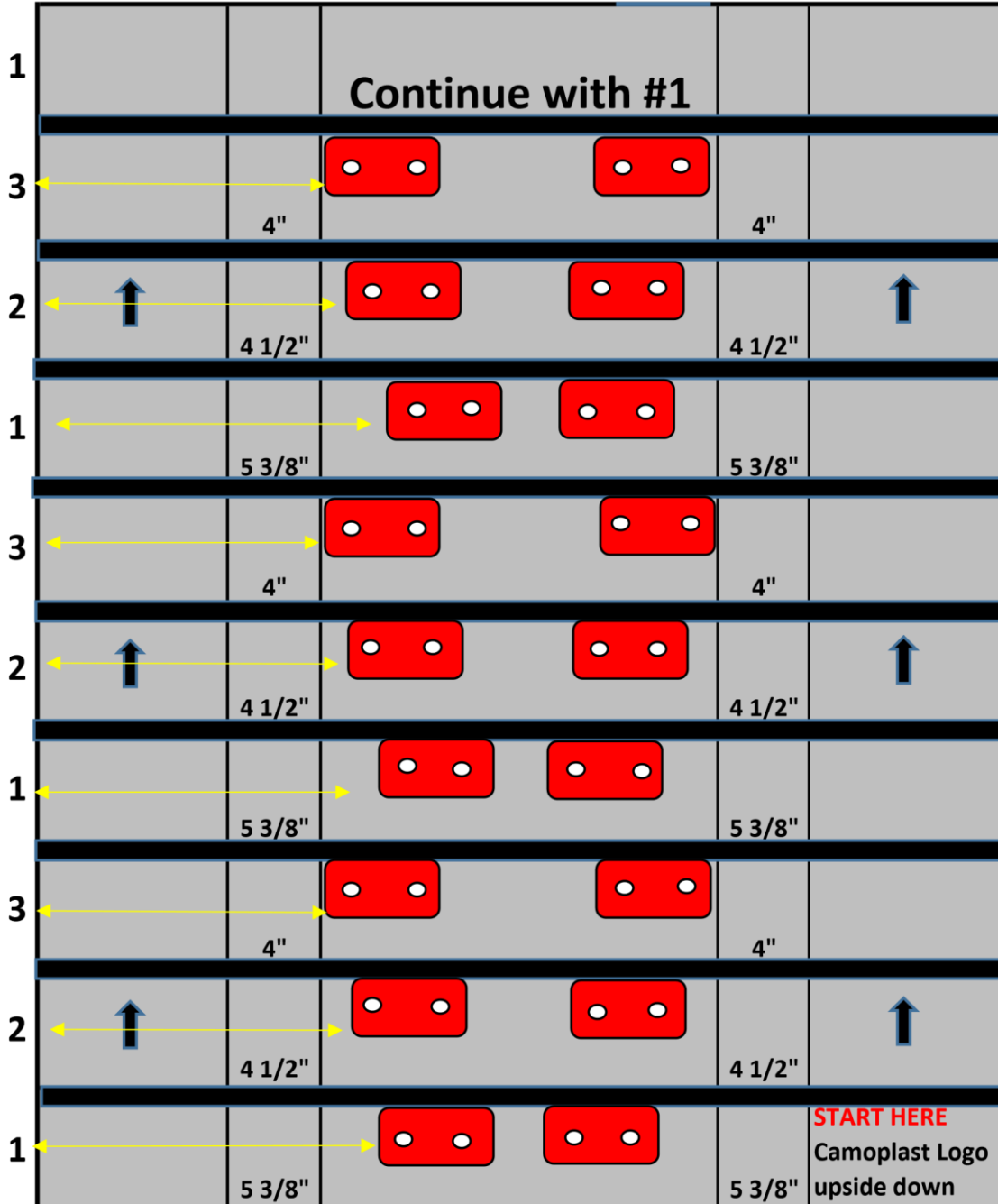


Start pattern in lug with Camoplast logo (it will be upside down). Repeat this pattern 3 times around the track. **BE SURE TO KEEP THE BACKERS CLOSE TO THE LUG KEEP THE STUDS WITH IN 1 1/4" OF THE LUG**

2020 POLARIS TRACK
 #5456604 SNOXCROSS
 108 STUD PATTERN




This pattern will require:
 108pcs 1.875" Power Point Studs
 54pcs - STANDARD size Double Backers



Start pattern in lug with Camoplast logo (it will be upside down).

Repeat this pattern #1 to #3 9 times around the track

BE SURE TO KEEP THE BACKERS CLOSE TO THE LUG
****KEEP THE STUDS WITH IN 1 1/4" OF THE LUG****

Details	Date																												
	Location																												
	Driver																												
	Sled																												
	Class																												
		Practice			Round 1			Round 2			Final																		
	Ambient temp F°																												
	Density Alt																												
	Track condition																												
Engine	Main Jets	PTO:	MAG:				PTO:	MAG:				PTO:	MAG:				PTO:	MAG:											
	Needle position	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5								
	Fuel screw																												
	CDI curve																												
	Clicker box	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G
	Fuel Type																												
	Oil-oil ratio																												
	Spark plugs																												
	Spark plug gap																												
	Clutching	Drive Belt																											
Belt length/width		/				/				/				/															
Flyweight style																													
Total flyweight																													
Spider shims																													
Engage/Peak RPM		/				/				/				/															
Primary spring																													
Secondary spring																													
Helix																													
Top/Bottom gear		/				/				/				/															
Suspension	Skis																												
	Toe out																												
	IFS shock valve #																												
	Clicker settings	H-	L-	R-	H-	L-	R-	H-	L-	R-	H-	L-	R-																
	Spring rate																												
	Preload																												
	FT shock valve #																												
	Clicker settings	H-	L-	R-	H-	L-	R-	H-	L-	R-	H-	L-	R-																
	Spring rate																												
	Preload																												
	FT arm height																												
	RT shock valve #																												
	Clicker settings	H-	L-	R-	H-	L-	R-	H-	L-	R-	H-	L-	R-																
	Spring rate																												
	Preload	/				/				/				/															
coupling blocks																													

Comments

Practice Comments:

Round 1 Comments:

Round 2 Comments:

Final Comments: