



# POLARIS<sup>®</sup>

# RACING

## 2019 600R Snocross 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 is required, contact [bradley.seavers@polaris.com](mailto:bradley.seavers@polaris.com) at the Polaris Race Dept.)
11. Install the 2 middle seat base bolts (They are either taped to the windshield or 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
24. **Set rear torsion spring preload blocks to Low setting**
25. Replace stock kill switch with push button kill switch (#4010311)
26. Check choke lever/cable tension
27. Install snow flap straps that meet ISR rules for competition ([www.isrracing.org](http://www.isrracing.org))
28. When studding the track, the maximum number of studs allowed is 96. 72 studs are the recommended amount. To achieve this use 1 double stud backer per bar while skipping every 3<sup>rd</sup> bar throughout the track.
29. It is recommended to install bulkhead reinforcement braces from Rox Speed FX. (<https://roxspeedfx.com/>)
30. The Polaris Race Dept. has a side panel strap kit available for tool free side panel removal. Contact Brad Seavers at [bradley.seavers@polaris.com](mailto:bradley.seavers@polaris.com)

For updates throughout the race season visit the Polaris Racing "Racer Resources" page at <http://www.polaris.com/en-us/snowmobiles/racing/tips>