



2014 Cross Country Terrain Racing settings

All part numbers listed are Polaris part numbers unless otherwise noted.

Gearing: Order these gears from Team Industries, www.team-ind.com :

22 tooth top gear (#351352-007)

40 tooth bottom gear (#930268)

Polaris chain: 74 pitch chain (#3221109)

Tracks: Camoplast 128" Ripsaw 2 (#9215H) or Camoplast 128" Cobra (#9081H), Tracks can be ordered from the Polaris Race Dept

Fuel Tank: Order fuel tank from Bunke Racing, www.bunkeracing.com :

12.5 gallon fuel tank (#TTIQR-2)

Windshield: Order this windshield from Power Madd, www.powermadd.com :

Cobra 13" tall tinted IQ race windshield (#10174010)

Suspension: You can install steel suspension springs or Titanium RCS springs. RCS *rear suspension springs are recommended.

Below is the Polaris steel suspension springs:

130lbs/in IFS coil over spring (#7043159-067)

130/270lbs/in progressive rate front track coil over spring (#7043147-067)

Order these Titanium suspension springs from Renton Coil Spring at www.rentoncoilspring.com , contact Kyle Cabaya at kyle@rentoncoilspring.com

125lbs/in IFS coil over spring (#SCT-190-110-0125)

*15"lb/deg torsion springs at 98 degrees preload (#STT490-16-4-199-98)

* 250lbs/in main front track coil over spring (#SCT-190-060-0250)

* 280lbs/in helper front track coil over spring (#SCS-203-018-0280Y)

* Front track dual rate aluminum coupler and spacers available from the Polaris Race Dept, contact Ben Hayes at ben.hayes@polaris.com

Fuel: 50% VP110 race fuel with 50% 91/ pump fuel, Ignition timing clicker box on **D**

Oil Injection: Order the oil injection kit from the Polaris Race Dept (#PR1014)
To have your oil injection kit professionally installed contact Dave Leavitt at
www.stealthperformance-er.com

Clutching: Order clutch weights from Speedwerx at www.speedwerxstore.com
Tapered tip 2 primary weights (#L2, 56.0 gram)
Clutch weight bushing (#RWB)

Order secondary spring and helix from Team Industries at www.team-ind.com :
Black/Green secondary spring (#210186)
Custom cut helix, straight 40/42 (#420751)

Skis: Order ski's from C&A Pro at www.caproskis.net or from USI at www.usi-skis.com
C&A Pro TRX Trail X (#77020378)
USI SPX ski (#SPX-YW)
USI SPX saddle (#pol-hp)

Tunnel heat exchangers: If you are going to run studs on the outside edge of the track you must install narrower heat exchangers. (#1240127). For 2014 IQ R's you will also need to get heat exchanger extensions from the Polaris Race Dept, contact bradley.seavers@polaris.com

Rear torque arm position: Raise the rear torque arm in the tunnel by drilling out the pilot hole in the steel brace (inside the tunnel) that is 13/16" above the stock hole in the tunnel.

Front torque arm: Drill a new hole in the limiter straps to shorten the front arm travel length. Measuring from the top of the bump stop on the rail to the bottom of the torque arm the distance should be 6 1/4" to 6 3/8".

Rear arm Coupling: The rear coupling blocks should be in the stock hole location and turned so that the rear pivot arm contacts the short side of the coupling block.

Steel spring preloads: .500" preload on IFS springs, .250 installed preload on FT spring, Med/Med preload on rear torsion springs

RCS Titanium spring preloads: .500" preload on IFS spring, .125" installed preload on FT spring (overall installed length of springs should be 7 15/16"), High/High preload on rear torsion springs

Clutching: L2's with 1gram of tip weight added, 165/310 primary spring, 140-220 secondary spring, 40 degree helix. Shim Primary to .073". Target RPM is 8700 to 8900 with 8750 to 8800 optimum RPM

If you have an earlier model year 600R IQ race sled please contact Ben Hayes at the Polaris Race Dept (715-355-5157 ext12 or ben.hayes@polaris.com) to get information on upgrading your suspension.

To order any of the Polaris Parts listed on this sheet contact Brad Seavers at the Polaris Race Dept (715-355-3008 or bradley.seavers@polaris.com).



Cross Country **Terrain IFS** shock valve code

Shock part number: 7044224

Oil side spacer: 0

Piston: Dished Red/Blue .052" bleed hole

IFP height: 2.250"

Nitrogen PSI: 200

Compression Clicker: 6 clicks out from stiff

Compression

.700 x 10
.700 x 10
1.300 x 10
1.250 x 10
.800 x 15
1.100 x 10
1.000 x 10
.900 x 10
.800 x 10
.700 x 10
1.100 x 12
.900 x 12
.800 x 12
1.200 x .125 plate

Rebound

.700 x 10
.700 x 10
1.250 x 10
1.250 x 12
1.200 x 10
1.200 x 12
1.100 x 12
1.100 x 10
1.100 x 10
1.000 x 10
.630 x .063 washer



Cross Country **Terrain front track** shock valve code

Shock part number: 7042222

Oil side spacer: 1.250"

Piston: Flat silver .062" bleed hole

IFP height: 2.500"

Nitrogen PSI: 200

Compression Clicker: 8 clicks out from stiff

Compression

1.300 x 10

1.250 x 10

.900 x 12

1.200 x 12

1.100 x 10

1.100 x 12

1.000 x 10

1.000 x 12

.900 x 8

.800 x 8

1.200 x .125plate

Rebound

1.250 x 12

1.200 x 12

1.100 x 12

1.000 x 12

.900 x 12

.800 x 12

.700 x 12

.625 x .063washer



Cross Country **Terrain rear track** shock valve code

Shock part number: 7044223

Oil side spacer: 0

Piston: Flat silver .052" bleed hole

IFP height: 2.500"

Nitrogen PSI: 200

Compression Clicker: 10 clicks out from stiff

Rebound Clicker: 6 clicks out from slow

Compression

1.550 x 10

1.500 x 8

1.100 x 8

1.500 x 10

1.450 x 8

1.450 x 10

1.300 x 8

1.300 x 10

1.200 x 10

1.100 x 10

1.000 x 10

.900 x 15

1.000 x .065washer

1.500 x .125plate

Rebound

1.500 x 12

1.500 x 15

1.450 x 12

1.450 x 15

1.300 x 12

1.200 x 12

1.100 x 10

1.000 x 10

.900 x 8

.800 x 8

1.000 x .065washer