

## 2012 600R IQ Cross Country Base line Setup

\*This is the base line setting for cross country racing. We will be doing an in-depth cross country test December 13<sup>th</sup> -18<sup>th</sup>. We will post final settings after that test session. All part numbers listed are Polaris part numbers unless otherwise noted.

Gearing: Order these gears from Team Industries, [www.team-ind.com](http://www.team-ind.com) :

20 tooth top gear (351352-005)

37 tooth bottom gear (930265)

Polaris chain: 72 pitch chain (#3221110)

Tracks: Camoplast Ripsaw 1.250 (#5412914) or Camoplast Cobra 1.352 (#5413654)

Fuel Tank: Order fuel tank from Trail Tanks, [www.trailtank.net](http://www.trailtank.net) :

10 gallon fuel tank (#TTIQR-1)

Windshield: Order this windshield from Power Madd, [www.powermadd.com](http://www.powermadd.com) :

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

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

Jounce Bumper for IFS shock (#1500628)

Fuel: 50% 112 race fuel (available from Polaris Racing) with 50% 91 pump fuel

Ignition timing clicker box on **D**

Clutching: 10-56 drive clutch weights (#1321684)

Tunnel heat exchangers: If you are going to run studs on the outside edge of the track you must install narrower heat exchangers. (#1240127)

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 strap 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.

Shock valving: See below

If you have an earlier year 600R IQ race sled please contact Ben Hayes at Polaris Racing (715-355-5157 ext12) to get information on upgrading your suspension.

To order any of the Polaris Parts listed on this page contact Brad Seavers at Polaris Racing (715-355-3008).

Cross country shock valve code for the 2012 600R IQ Walker Evans front track shock

Coil spring: 160lbs/in (stock)

Coil spring preload: .250"

Shock part number: 7043817

Oil side spacer: 0

Piston: Dished .062 bleed hole

IFP height: 2.650

Compression Clicker: 10 clicks out from stiff

### Compression

.700 x 12  
 .700 x 15  
 1.300 x 10  
 1.250 x 10  
 1.200 x 10  
 1.100 x 10  
 1.000 x 10  
 .900 x 10  
 .800 x 10  
 .700 x 10  
 .700 x 8  
 .875 x .100plate

### Rebound

.700 x 10  
 .700 x 8  
 1.250 x 12  
 1.200 x 12  
 1.200 x 12  
 1.200 x 12  
 1.100 x 10  
 1.100 x 12  
 1.000 x 10  
 .900 x 10  
 .800 x 10  
 .700 x 8  
 .630 x .063washer

Cross country shock valve code for the 2012 600R IQ Walker  
Evans IFS shock

Coil spring: 130lbs/in

Coil spring preload: .500"

Shock part number: 7043819

Jounce bumper: 1500628

Oil side spacer: 0

Piston: Dished .042 bleed hole

IFP height: 2.250

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 .125plate

### Rebound

.700 x 10  
.700 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 .063washer

Cross country shock valve code for the 2012 600R IQ Walker  
Evans Rear track shock

Torsion spring: .405@90 degrees (stock)

Coil spring preload: low setting

Shock part number: 7043818

Oil side spacer: 0

Piston: Dished .054 bleed hole

IFP height: 2.550

Compression Clicker: 10 clicks out from stiff

### **Compression**

.900 x 12

.900 x 15

1.450 x 8

1.450 x 10

1.450 x 12

1.000 x 8

1.450 x 10

1.300 x 10

1.200 x 10

1.100 x 10

1.000 x 10

.900 x 15

1.500 x .125plate

### **Rebound**

.900 x 10

.900 x 12

1.450 x 10

1.450 x 12

1.450 x 15

1.300 x 12

1.300 x 15

1.200 x 12

1.200 x 15

1.100 x 15

1.100 x 15

1.000 x 15

.900 x 15

.752 x .063washer