2027 INDY Matryx Cross Country Iron Dog Race Suspension settings

IFS shocks: Revalve shocks and extend length .200” by removing internal travel limiting spacer. Set stock 150lb IFS springs at .250” Preload.

FT Shock: Revalve shock, remove grey plastic spring buffer from shock body and replace stock coil spring with Hygear Twisted series Dual rate springs. Before installing springs onto the shock check that you have a 1” distance between the stock spring nut and spring separator collar (see below picture). That is the side of the collar you want contacting the spring nut. Set .250” preload on FTS spring package after installed in skid with limiter straps in the longest position. Contact Hygear suspension for the twisted series coil springs. Main spring: #50012 (2.25”ID x 6.00”L x 250lb rate), Helper spring: #44503 (2.25”ID x 2.00”L x 250lb rate), Floating Separator collar: #60-35-107.



RT Shock: Revalve shock. Set stock torsion springs on Low/Low preload block setting. Keep rear coupler blocks on stock High setting.
*Heavier racers may want to replace the stock 18lb torsion springs with the optional 20lb torsion springs. Polaris part numbers for the 20lb torsions are: 7046419-329 & 7046420-329

Indy Cross Country 600 **Iron Dog IFS** shock settings

Shock part number: 7046562/7046563
Oil side spacer: **0** *(remove stock .200" oil side spacer)*
Piston: Gold 6 port, .052" bleed hole (drill out stock .042" piston bleed to .052")
IFP height: 2.0"
Nitrogen PSI: **150**
Jounce bumper: Stock 1.0"
Shock Extended length: 17.600"
Compression clickers: Low speed: 8 clicks out from stiff, High speed: 6 clicks out from stiff
Rebound clicker: 5 out from slow

Compression	**Rebound**
1.550 x 8	1.300 x 10
1.550 x 8	8.00 x 8
.900 x 12	1.200 x 10
1.450 x 8	1.000 x 8
1.300 x 8	.700 x 8
1.100 x 8	.600 x 15
.900 x 8	.750 x .065 washer (x3)
.800 x 8	
.700 x 15	torque shim stack nut to 15ft/lbs.
1.500 x .120 plate	

Indy Cross Country 600 **Iron Dog Front Track** shock settings

Shock part number: 7046564
Oil side spacer: 0
Piston: Gold 6 port, .**055”** bleed hole (stock bleed hole is .073”, order new piston #WER-2420032-055 directly from Walker Evans Racing)
IFP height: 1.750”
Nitrogen PSI: **200**
Jounce bumper: Stock .400”
Compression clickers: Low speed: 4 clicks out from stiff, High speed: 5 clicks out from stiff
Rebound clicker: 4 out from slow

Compression	**Rebound**
1.550 x 10	1.300 x 8
1.550 x 10	.700 x 8
1.550 x 10	1.200 x 8
1.550 x 10	1.100 x 10
1.300 x 8	.900 x 10
1.500 x 10	.700 x 8
1.500 x 10	.750 x .065 washer (x3)
1.450 x 10	
1.300 x 10	torque shim stack nut to 15ft/lbs.
1.200 x 10	
1.100 x 10	
1.000 x 10	
.900 x 10	
.800 x 8	
1.000 x 15	
1.500 x .125 plate	

Indy Cross Country 600 **Iron Dog Rear Track** shock settings

Shock part number: 7046565
Oil side spacer: .100”
Piston: Gold 6 port, .046” bleed hole (Drill out stock .036” piston bleed to .046”)
IFP height: 2.0”
Nitrogen PSI: **200**
Shock Extended length: 19.100”
Compression clickers: Low speed: 7 clicks out from stiff, High speed: 4 clicks out from stiff
Rebound clicker: 4 out from slow

Compression	**Rebound**
1.550 x 10	1.300 x 8
1.500 x 10	1.200 x 10
1.500 x 12	1.100 x 10
1.200 x 8	.900 x 10
1.450 x 10	.700 x 10
1.300 x 10	.600 x 15
1.300 x 12	.750 x .065 washer (x2)
1.200 x 10	
1.100 x 12	torque shim stack nut to 15ft/lbs.
1.000 x 12	
.900 x 10	
1.500 x .125 plate	