



## *Blingfactory pDrive clutchweights and calibrations*

### *850E-TEC Turbo R*

There are two calibration options available: Deep Snow and Crossover. Both also have STAGE1 which is easy and affordable upgrade and STAGE2 which is clutch kit style "all in" setup. You can always start with STAGE1 and upgrade to STAGE2 whenever you want, all you need is Blingfactory weights!

With STAGE1 calibration your sled will run a lot better than stock. Its affordable and easy improvement over stock configuration. Only the primary clutch will be tuned. Less belt slipping, more power to the track, better belt life and no more backfiring!

Both STAGE1 and STAGE2 calibrations have been driven and tested in average snowpack and conditions. If you are riding in extremely deep or heavy snow, you can easily adjust pDrive clickers up one notch (#2 -> #3 or #3 -> #4) to reach desired RPM.

#### **STAGE1 DEEP SNOW:**

If you want to climb steep & deep snow, do bowties, make your way fast around the trees and play with your sled on the hills this is the setup for you!

- Fast engine response
- Light feeling of riding
- For steep hills and deep snow
- For technical riding and tricks

#### **STAGE1 CROSSOVER:**

For versatile driving on various conditions and terrain. If you want wheelies, ditch banging and win drag races up the hill, Crossover is the setup for you.

- Instant track response from the start
- Strong pull through the whole rpm range
- Fast acceleration
- For wheelies & ditchbanging
- Works best all-around the season on different terrain and snow conditions

*If you are not sure if the Deep Snow or the Crossover is the setup for you, we recommend using the Crossover setup.*



Stage2 is calibration for the riders who want to take their ride to the next level without compromises! Either you choose Deep Snow or Crossover, your sled will be dialed in a way that nothing is left to the table. More track speed, better backshift, more fun all season around.

#### **STAGE2 DEEP SNOW:**

Advanced version of STAGE1

- Fast engine response
- More track speed than STAGE1 through whole rpm range
- Improved backshift over STAGE1, faster response when pumping the throttle
- For steep hills and deep snow
- For technical riding and tricks

#### **STAGE2 CROSSOVER:**

Same as STAGE1 but with steroids

- Extremely strong track response from the start
- Strong pull through the whole rpm range
- Maximum acceleration
- Strongest backshift, faster response when pumping the throttle
- For wheelies & ditchbanging
- Works best all-around the season on all terrain and snow conditions

#### *Note!*

Drive belt is a wear item and will lose some of its qualities over time and mileage. We recommend switching to a new drive belt on every 1500km if you run the sled hard or always in the beginning of the season. These setups are tested and proven by using BRP original -574 belt.

After every calibration sheet there is a list of parts needed to install Stage1 or Stage2 calibration. We use mainly BRP original parts to make sure your sled functioning and quality will stay on its highest level. These lists are based on information offered by manufacturer as stock parts and Blingfactory will not take accountability on the validity of these listings. Always make sure that you have correct parts listed on the calibration sheet before the install. We recommend that installation is done by certified BRP service.



## STAGE1 calibration

Engine target running rpm 7900-8100

STAGE1 - DEEP SNOW - SHORT TRACK			
850 E-TEC Turbo R		Track lenght 3700 /146"	
Deep Snow / sea level 0-1000m (0-3300ft)			
pDrive			
Cliker position #3			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Empty	Screw (2,6g)
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs			

STAGE1 - CROSSOVER - SHORT TRACK			
850 E-TEC Turbo R		Track lenght 3700 /146"	
Crossover / sea level 0-1000m (0-3300ft)			
pDrive			
Cliker position #3			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Thread weight (1,4g) Use medium Loctite and let it dry!	Screw + 1 washer (3,3g)
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs			



STAGE1 - DEEP SNOW - LONG TRACK			
850 E-TEC Turbo R		Track lenght 3900+ /154"+	
Deep Snow / sea level 0-1000m (0-3300ft)			
pDrive			
Cliker position #2			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Empty	Screw (2,6g)
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs			

STAGE1 - CROSSOVER - LONG TRACK			
850 E-TEC Turbo R		Track lenght 3900+ /154"+	
Crossover / sea level 0-1000m (0-3300ft)			
pDrive			
Cliker position #3			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Thread weight (1,4g) Use medium Loctite thread lock and let it dry!	Screw + 2 washers (4,0g)
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs			



STAGE1 - TRAIL - MXZ			
850 E-TEC Turbo R		Track lenght 137"	
Trail / sea level 0-1000m (0-3300ft)			
pDrive			
Cliket position #3			
Primary spring	BRP	170-400 PL/WH	Part nro 417 224 167
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Thread weight (1,4g) Use medium Loctitead lock thre and let it dry!	Screw + 1 washer (3,3g)
Parts needed: -Blingfactory weights -BRP primary spring 170-400 -BRP 26mm pivot screws 3pcs			



## STAGE2 Calibration

Engine target running rpm 7900-8100rpm

STAGE2 – DEEP SNOW – SHORT TRACK			
850 E-TEC Turbo R		Track lenght 3700 /146"	
Deep Snow / sea level 0-1000m (0-3300ft)			
pDrive			
Cliket position #2			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Empty	Screw (2,6g)
QRS			
Helix	BRP	41-45°	Part no 417 127 376
Secondary spring	BRP	180-303 GN	Part no 417 127 137
Gear ratio 2.43			
Top sprocket	BRP / BorgWarner HYVO	21	Part no 504 154 188
Bottom sprocket	BRP / BorgWarner HYVO	51	Part no 504 154 824
Chain	BRP / BorgWarner HYVO	116	Part no 504 153 759
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs -BRP Helix 41-45 -BRP top sprocket 21 (2024 3700 Shredder Turbo R & 2024 Freeride 146" Turbo R. Stock on 2023 Shredder 3700 Turbo R) -BRP QRS spring 180-303 (Only 2024 146" Freeride Turbo R)			



STAGE2 – CROSSOVER – SHORT TRACK			
850 E-TEC Turbo R 2023-2024		Track length 3700 /146"	
Crossover / sea level 0-1000m (0-3300ft)			
<b>pDrive</b>			
Cliket position #3			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Thread weight (1,4g) Use medium Loctite thread lock and let it dry!	Screw + 1 washer (3,3g)
<b>QRS</b>			
Helix	BRP	46°	Part no 417 127 082
Secondary spring	Team/Venom or SPI or Dalton	200-320 orange/black or 215-320 orange or 205-310 red	
<b>Gear ratio 2.32</b>			
Top sprocket	BRP / BorgWarner HYVO	22	Part no 504 154 809
Bottom sprocket	BRP / BorgWarner HYVO	51	Part no 504 154 824
Chain	BRP / BorgWarner HYVO	116	Part no 504 153 759
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs -BRP Helix 46 -Team-Venom/SPI/Dalton QRS secondary spring -BRP top sprocket 22 (only 2023 3700 Shredder Turbo R. Stock on 2024 3700 Turbo R and 2024 Freeride 146" Turbo R)			



STAGE2 – DEEP SNOW – LONG TRACK			
850 E-TEC Turbo R 2023-2024		Track lenght 3900+ /154”+	
Deep Snow / sea level 0-1000m (0-3300ft)			
<b>pDrive</b>			
Cliker position #2			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Empty	Screw (2,6g)
<b>QRS</b>			
Helix	BRP	41-45°	Part no 417 127 376
Secondary spring	BRP	180-303 GN	Part no 417 127 137
<b>Gear ratio 2.52</b>			
Top sprocket	BRP / BorgWarner HYVO	21	Part no 504 154 188
Bottom sprocket	BRP / BorgWarner HYVO	53	Part no 504 154 823
Chain	BRP / BorgWarner HYVO	116	Part no 504 153 759
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs -BRP Helix 41-45 -BRP QRS spring 180-303			





STAGE2 – CROSSOVER – LONG TRACK			
850 E-TEC Turbo R 2023-2024		Track lenght 3900+ /154”+	
Crossover / sea level 0-1000m (0-3300ft)			
<b>pDrive</b>			
Cliket position #3			
Primary spring	BRP	200-400 GN/WH	osa nro 417 224 169
Pivot screw	BRP	26mm / 13,1g	Part no 417 224 115
Weight	Blingfactory	Center	Tip
		Thread weight (1,4g) Use medium Loctite thread lock and let it dry!	Screw + 2 washers (4,0g)
<b>QRS</b>			
Helix	BRP	44°	Part no 417 127 367
Secondary spring	BRP	180-303 GN	Part no 417 127 137
<b>Gear ratio 2.43</b>			
Top sprocket	BRP / BorgWarner HYVO	21	Part no 504 154 188
Bottom sprocket	BRP / BorgWarner HYVO	51	Part no 504 154 824
Chain	BRP / BorgWarner HYVO	116	Part no 504 153 759
Parts needed: -Blingfactory weights -BRP primary spring 200-400 -BRP 26mm pivot screws 3pcs -BRP Helix 44 -BRP QRS secondary spring 180-303 -BRP bottom sprocket 51			