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Date: **November 1, 2005** Subject: **High Altitude / Sea Level Specs** No. **2006-2**
REVISION 1, NOVEMBER 25, 2005 <=

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2006	All	All	All

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GENERAL INFORMATION

This bulletin supplies all the information required to modify current year vehicles for high altitude and/or sea level riding.

Previous Model Year Vehicles

Model Year	Latest Version of Bulletin No.
2005	2005-6
2004	2004-2
2003	2003-5
2002	2002-5
2001	2001-1 and 2001-2
2000	2000-1 and 2000-2
1999 and previous	Refer to latest version of <i>HIGH ALTITUDE AND SEA LEVEL DATA</i> booklet, (P/N 484 300 003)

NOTE:

(⇌) Throughout this entire document, arrows in the charts indicate that the preceding information is repeated and shaded column gives factory settings.

CAUTION: The following modifications and adjustments apply for high altitude operation as well as sea level operation.

PARTS COST AND LABOR ARE NOT COVERED BY BRP LIMITED WARRANTY.

Bombardier* Lite



Photo shows the 2 different types of weight used in *BOMBARDIER LITE* clutches.

Reverse Connector

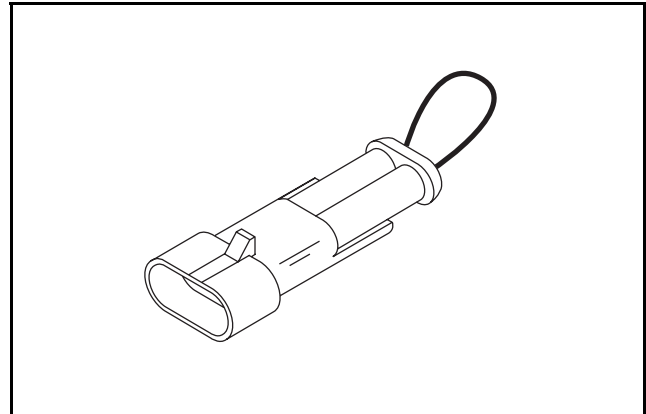
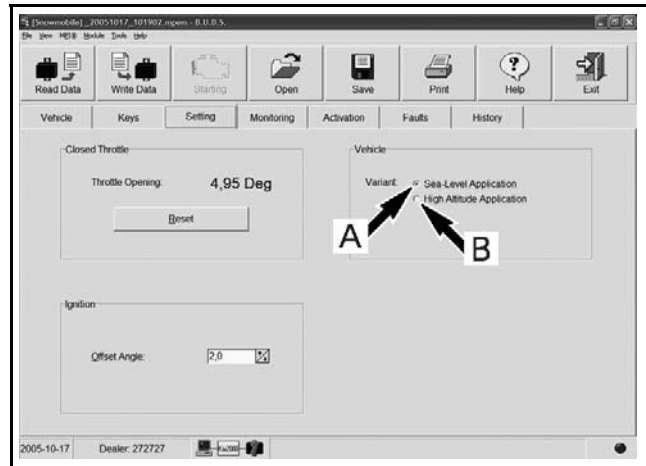


Illustration shows reverse connector (P/N 515 174 700), used at 2400 m (8000 ft) in some FAN models. — *Simply unplug existing sea level cap from the ECM and plug-in the reverse connector.*

600 HO SDI, ECM Recalibration



Enter B.U.D.S., select "Settings" and, when illustrated screen is shown, — select A) *Sea-Level Application* or — select B) *High Altitude Application* in the *Vehicle/Variant* box and then, click on the **Write Data** icon.

IDLE SPEED SCREW ADJUSTMENT

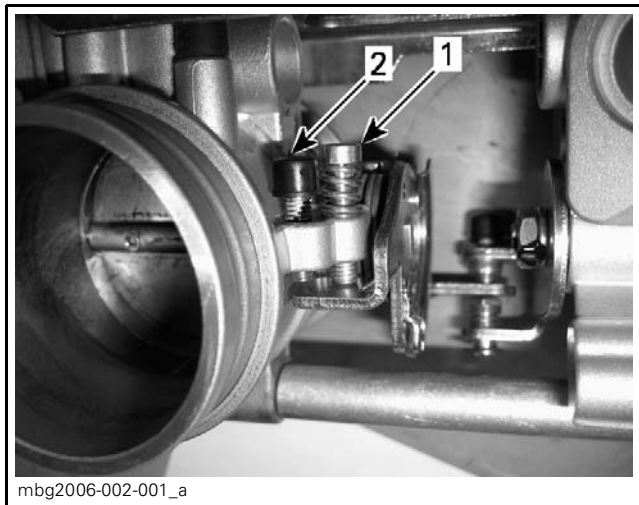
NOTE: This operation performs a reset of the values in the ECM.

This reset is very important. The setting of the TPS will determine the basic parameters for all fuel mapping and several ECM calculations in idle speed control of the engine.

CAUTION: An improperly set TPS may lead to poor engine performance.

Remove the air intake silencer.

Disconnect the air valve connector.



Unscrew idle speed screw [1] until the throttle body plate stop lever rests against its zero position stopper screw (capped screw) [2]. If necessary, loosen the throttle cable. Open throttle approximately one quarter then quickly release. Repeat 2 - 3 times to settle throttle plate.

CAUTION: Never attempt to adjust the zero position stopper screw (the capped one).

Use the vehicle communication kit (VCK) with B.U.D.S. to perform this adjustment.

Select the vehicle's protocol in **Choose Protocol** from the **MPI** menu. The protocol is KW 2000.

Remove the protective cap from the 6 pin connector on the vehicle.

Connect the B.U.D.S. harness 6 pin adapter directly to the 6 pin vehicle connector.

Turn the engine shutdown switch to the engine off position.

Insert the grey DESS cap (P/N 529 035 896).

Press the start button to wake up the ECM.

Press the **Read Data** button.

Click on **Setting** tab.

Push the **Reset** button in the **Throttle Opening** section box.

The following message will be displayed: **Make sure the idle screw is not in contact with the throttle stopper.** Click OK to continue.

Follow instructions and click OK.

Another message will appear to ask you to perform an ECU tracking shut down to save the changes into the ECU permanent memory.

Remove the tether cord cap from the DESS post and wait until the message disappears before reinserting the tether cord cap.

Power up the ECM by pushing the START/RER button momentarily.

The throttle opening displayed in B.U.D.S. should be 0.00 (0.05 maximum).

If TPS is not within the allowed range while resetting the **Closed Throttle**, the ECM will generate a fault code and will not accept the setting.

Now, the idle speed screw has to be adjusted. To do this, screw in the idle speed screw until B.U.D.S. throttle opening displays appropriate value.

Ensure to save new data by clicking on the **Write Data** button.

If throttle cable has been loosened during the procedure, adjust throttle cable.

Reinstall all removed parts. Start engine and make sure it operates normally through its full engine RPM range.

TUNDRA® R / FREESTYLE™

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Red/Yellow 414 817 500	⇐	⇐	⇐	⇐	⇐
Block	417 114 300	⇐	⇐	⇐	⇐	⇐
Weight (refer to photo on page 2)	5 x 417 114 400	4 x 417 114 400	3 x 417 114 400	2 x 417 114 400	1 x 417 114 400	⇐
Capsule	1 x 417 114 500	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3000	3100	3200	3300	⇐	⇐
Maximum RPM ± 100	6900	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/White/ Orange 415 129 048	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	45°	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	200	195	185	160	150	140	1
Jet needle	6DH4	⇐	⇐	⇐	⇐	⇐	1
Needle position	3	⇐	⇐	2	⇐	⇐	—
Slide cut-away	2.5	⇐	⇐	⇐	⇐	⇐	—
Pilot jet	40	⇐	⇐	⇐	⇐	⇐	1
Mixture screw	1.0	⇐	⇐	0.75	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	—
Needle jet	0-8 (159)	⇐	⇐	⇐	⇐	⇐	1
Float level	mm	23.9	⇐	⇐	⇐	⇐	—
Idle RPM ± 200	1650	⇐	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.5	1.6	1.7	1.8	1.9	2.0	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	220	210	200	180	170	160	—
-30°C -20°F	210	200	190	170	160	150	—
-20°C -4°F	200	195	185	160	150	140	—
-10°C 14°F	195	190	180	155	145	135	—
0°C 32°F	190	185	175	150	140	130	—
10°C 50°F	180	175	165	140	130	120	—
20°C 70°F	175	170	160	135	125	115	—

MXZ™ 380 F / GSX® 380 F / GTX† 380 F

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Pink on Violet 414 916 300	⇐	⇐	Blue/Blue on Violet 414 689 400	⇐	⇐
Block	417 118 100	⇐	⇐	⇐	⇐	⇐
Weight (refer to photo on page 2)	1 x 417 114 400 1 x 417 120 400	1 x 417 120 400	4 x 417 114 400	2 x 417 114 400	1 x 417 114 400	⇐
Capsule	1 x 417 114 500	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3300	3500	3600	3800	⇐	⇐
Maximum RPM ± 100	7000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	White 504 152 070	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0 Position 3	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (long) 417 126 333	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Reverse Connector (refer to photo on page 2)	515 174 800	⇐	⇐	⇐	515 174 700 Connect to ECM	⇐

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	195	180	170	155	145	130	2
Jet needle	6DEY13	⇐	⇐	⇐	⇐	⇐	2
Needle position	3	⇐	2	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	—
Pilot jet	35	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	2.0	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.2	⇐	⇐	⇐	⇐	⇐	—
Needle jet	Q-2	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	23.9	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1650	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	1.8	1.9	2.0	⇐	2.1	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	205	190	180	165	155	140	PTO MAG
-30°C -20°F	200	185	175	160	150	135	PTO MAG
-20°C -4°F	195	180	170	155	145	130	PTO MAG
-10°C 14°F	190	175	165	150	140	125	PTO MAG
0°C 32°F	185	170	160	145	135	120	PTO MAG
10°C 50°F	180	165	155	140	130	115	PTO MAG
20°C 70°F	180	165	155	140	130	115	PTO MAG

† GTX is a registered trademark of Castrol Ltd, used under license.

SKANDIC® LT

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Silver/Black M140032	⇐	⇐	Purple M207758A	⇐	⇐
Weight	M140030	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3200	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	6800	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow 415 092 800	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	40° 417 126 457	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	180	170	155	145	130	120	2
Jet needle	6DGY12	⇐	⇐	⇐	⇐	⇐	2
Needle position	3	⇐	2	⇐	⇐	⇐	—
Slide cut-away	3.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	50	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.0	1.75	⇐	2.0	⇐	⇐	2
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	0-0 (159)	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	23.9	⇐	⇐	⇐	⇐	—
Idle RPM ± 200	1800	⇐	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.4	1.6	1.8	⇐	2.0	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	190	180	165	155	140	130	PTO MAG
-30°C -20°F	185	175	160	150	135	125	PTO MAG
-20°C -4°F	180	170	155	145	130	120	PTO MAG
-10°C 14°F	175	165	150	140	125	115	PTO MAG
0°C 32°F	170	160	145	135	120	110	PTO MAG
10°C 50°F	165	155	140	130	120	110	PTO MAG
20°C 70°F	165	155	140	130	120	110	PTO MAG

MXZ 550 F / GSX 550 F

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Purple/Yellow 415 015 300	⇐	⇐	⇐	⇐	⇐
Block	417 118 100	⇐	⇐	⇐	⇐	⇐
Weight (refer to photo on page 2)	2 x 417 114 400 1 x 417 120 400	1 x 417 114 400 1 x 417 120 400	1 x 417 120 400	⇐	5 x 417 114 400	3 x 417 114 400
Capsule	1 x 417 114 500	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3500	⇐	3600	⇐	3800	⇐
Maximum RPM ± 100	7000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	White 505 152 070	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° long 417 126 718	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Reverse Connector (refer to photo on page 2)	515 174 800	⇐	⇐	⇐	515 174 700 Connect to ECM	⇐

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	260	250	240	220	190	175	2
Jet needle	6BCY40	⇐	⇐	⇐	⇐	⇐	2
Needle position	4	⇐	⇐	3	⇐	⇐	—
Slide cut-away	2.5	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	45	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	2.0	⇐	⇐	⇐	1.5	1.0	2
Valve seat	1.2	⇐	⇐	⇐	⇐	⇐	2
Needle jet	P-7 (159)	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	23.9	⇐	⇐	⇐	⇐	—
Idle RPM ± 200	1650	⇐	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.6	1.7	1.8	1.9	2.1	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	270	260	250	230	200	185	PTO MAG
-30°C -20°F	260	250	240	220	195	180	PTO MAG
-20°C -4°F	260	250	240	220	190	175	PTO MAG
-10°C 14°F	250	240	230	215	185	170	PTO MAG
0°C 32°F	250	240	230	210	180	165	PTO MAG
10°C 50°F	240	230	220	205	175	160	PTO MAG
20°C 70°F	240	230	220	200	170	155	PTO MAG

SUMMIT® 550 F

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇐	⇐	⇐	Purple/Yellow 415 015 300	⇐	⇐
Block	⇐	⇐	⇐	417 118 100	⇐	⇐
Weight (refer to photo on page 2)	2 x 417 114 400 1 x 417 120 400	1 x 417 114 400 1 x 417 120 400	1 x 417 120 400	5 x 417 114 400	3 x 417 114 400	2 x 417 114 400
Capsule	⇐	⇐	⇐	1 x 417 114 500	⇐	⇐
Engagement RPM ± 100	⇐	⇐	⇐	3500	3600	⇐
Maximum RPM ± 100	⇐	⇐	⇐	7000	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇐	⇐	⇐	White 505 152 070	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	⇐	⇐	0.0	⇐	⇐
Cam angle (degrees)	⇐	⇐	⇐	44° long 417 126 718	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Reverse Connector (refer to photo on page 2)	515 174 800	⇐	⇐	515 174 700 Connect to ECM	⇐	⇐

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	260	250	240	220	190	175	2
Jet needle	⇐	⇐	⇐	6BCY40	⇐	⇐	2
Needle position	4	⇐	⇐	3	⇐	⇐	—
Slide cut-away	⇐	⇐	⇐	2.5	⇐	⇐	2
Pilot jet	⇐	⇐	⇐	45	⇐	⇐	2
Mixture screw	⇐	⇐	⇐	2.0	1.5	1.0	2
Valve seat	⇐	⇐	⇐	1.2	⇐	⇐	2
Needle jet	⇐	⇐	⇐	P-7 (159)	⇐	⇐	2
Float level	mm	⇐	⇐	23.9	⇐	⇐	—
Idle	RPM ± 200	⇐	⇐	1650	⇐	⇐	—
Idle throttle valve position (mm)	1.6	1.7	1.8	1.9	2.1	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	270	260	250	230	200	185	PTO MAG
-30°C -20°F	260	250	240	220	195	180	PTO MAG
-20°C -4°F	260	250	240	220	190	175	PTO MAG
-10°C 14°F	250	240	230	215	185	170	PTO MAG
0°C 32°F	250	240	230	210	180	165	PTO MAG
10°C 50°F	240	230	220	205	175	160	PTO MAG
20°C 70°F	240	230	220	200	170	155	PTO MAG

SKANDIC 550 (FAN COOLED) WT / SWT / SUV

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow / Green 414 742 100	⇐	⇐	⇐	⇐	⇐
Block	417 118 100	⇐	⇐	⇐	⇐	⇐
Weight (refer to photo on page 2)	4 x 417 114 400 1 x 417 120 400	3 x 417 114 400 1 x 417 120 400	2 x 417 114 400 1 x 417 120 400	1 x 417 114 400 1 x 417 120 400	5 x 417 114 400	3 x 417 114 400
Capsule	1 x 417 114 500	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3000	⇐	3100	3200	3300	3400
Maximum RPM ± 100	6950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue (ACS 3-188) 417 119 100	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 kg 15.4lb	⇐	⇐	⇐	⇐
Cam angle (degrees)	40°- 35° M140067	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	190	180	170	150	140	130	2
Jet needle	6DH4	⇐	⇐	⇐	⇐	⇐	2
Needle position	2	⇐	⇐	1	⇐	⇐	—
Slide cut-away	2.5	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	40	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.5	⇐	⇐	⇐	⇐	⇐	2
Valve seat	1.2	⇐	⇐	⇐	⇐	⇐	2
Needle jet	P-0 (159)	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	23.9	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1650	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.6	1.7	1.8	1.9	2.0	2.1	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	210	200	190	170	160	150	PTO MAG
-30°C -20°F	200	190	180	160	150	140	PTO MAG
-20°C -4°F	190	180	170	150	140	130	PTO MAG
-10°C 14°F	180	170	160	140	130	120	PTO MAG
0°C 32°F	170	160	150	130	120	110	PTO MAG
10°C 50°F	160	150	140	120	110	100	PTO MAG
20°C 70°F	150	140	130	110	100	90	PTO MAG

SKANDIC 600 (LIQUID COOLED) SUV / WT

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow / Red 414 993 000	⇐	⇐	⇐	⇐	⇐
Ramp	417 222 444 (600)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	2	3	4
Pin	417 222 594 (Solid-Long)	⇐	⇐	417 222 595 (Hollow-Threaded) 1 x 206 262 099 set screw		⇐
Engagement RPM ± 100	2800	⇐	⇐	3000	⇐	⇐
Maximum RPM ± 100	7100	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue (ACS 3-188) 417 119 100	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 kg 15.4lb	⇐	⇐	⇐	⇐
Cam angle (degrees)	35°- 30° M140048	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	330	300	280	250	230	200	2
Jet needle	6DGL24	⇐	⇐	⇐	⇐	⇐	2
Needle position	3	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.5	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	40	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	2.0	⇐	⇐	⇐	1.5	⇐	2
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	480 P-9	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	18.1	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1900	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.5	1.6	1.7	1.8	1.9	2.0	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	350	320	300	270	250	220	PTO MAG
-30°C -20°F	340	310	290	260	240	210	PTO MAG
-20°C -4°F	330	300	280	250	230	200	PTO MAG
-10°C 14°F	320	290	270	240	220	190	PTO MAG
0°C 32°F	310	280	260	230	210	180	PTO MAG
10°C 50°F	300	270	250	220	200	170	PTO MAG
20°C 70°F	290	260	240	210	190	160	PTO MAG

EXPEDITION® SPORT 550 F / SUMMIT 550 F (EUROPE)

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Purple/Yellow 415 015 300	⇐	⇐	⇐	⇐	⇐
Block	417 118 100	⇐	⇐	⇐	⇐	⇐
Weight (refer to photo on page 2)	2 x 417 114 400 1 x 417 120 400	1 x 417 114 400 1 x 417 120 400	⇐	1 x 417 120 400	5 x 417 114 400	3 x 417 114 400
Capsule	1 x 417 114 500	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3300	⇐	3400	3500	3600	⇐
Maximum RPM ± 100	7000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	White 504 152 070	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (long) 417 126 718	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Reverse Connector (refer to photo on page 2)	515 174 800	⇐	⇐	515 174 700 Connect to ECM	⇐	⇐

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	260	250	240	220	190	175	2
Jet needle	6BCY40	⇐	⇐	⇐	⇐	⇐	2
Needle position	4	⇐	⇐	3	⇐	⇐	—
Slide cut-away	2.5	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	45	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	2.0	⇐	⇐	⇐	1.5	1.0	2
Valve seat	1.2	⇐	⇐	⇐	⇐	⇐	2
Needle jet	P-7 (159)	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	23.9	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1650	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.6	1.7	1.8	1.9	2.1	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	270	260	250	230	200	185	PTO MAG
-30°C -20°F	260	250	240	220	195	180	PTO MAG
-20°C -4°F	260	250	240	220	190	175	PTO MAG
-10°C 14°F	250	240	230	215	185	170	PTO MAG
0°C 32°F	250	240	230	210	180	165	PTO MAG
10°C 50°F	240	230	220	205	175	160	PTO MAG
20°C 70°F	240	230	220	200	170	155	PTO MAG

GTX 550 F / GTX 550 F (EUROPE)

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Orange 414 639 000	⇐	⇐	⇐	⇐	⇐
Block	417 118 100	⇐	⇐	⇐	⇐	⇐
Weight (refer to photo on page 2)	2 x 417 114 400 1 x 417 120 400	1 x 417 114 400 1 x 417 120 400	1 x 417 120 400	5 x 417 114 400	4 x 417 114 400	3 x 417 114 400
Capsule	1 x 417 114 500	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3000	⇐	3100	3200	3300	⇐
Maximum RPM ± 100	7000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	White 504 152 070	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (long) 417 126 718	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Reverse Connector (refer to photo on page 2)	515 174 800	⇐	⇐	515 174 700 Connect to ECM	⇐	⇐

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	260	250	240	220	190	175	2
Jet needle	6BCY40	⇐	⇐	⇐	⇐	⇐	2
Needle position	4	⇐	⇐	3	⇐	⇐	—
Slide cut-away	2.5	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	45	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	2.0	⇐	⇐	⇐	1.5	1.0	2
Valve seat	1.2	⇐	⇐	⇐	⇐	⇐	2
Needle jet	P-7 (159)	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	23.9	⇐	⇐	⇐	⇐	—
Idle RPM ± 200	1650	⇐	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.6	1.7	1.8	1.9	2.1	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	270	260	250	230	200	185	PTO MAG
-30°C -20°F	260	250	240	220	195	180	PTO MAG
-20°C -4°F	260	250	240	220	190	175	PTO MAG
-10°C 14°F	250	240	230	215	185	170	PTO MAG
0°C 32°F	250	240	230	210	180	165	PTO MAG
10°C 50°F	240	230	220	205	175	160	PTO MAG
20°C 70°F	240	230	220	200	170	155	PTO MAG

MXZ 500 SS TRAIL / ADRENALINE

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green/White 417 222 371	⇐	⇐	⇐	Pink/White 414 991 400	⇐
Ramp	417 222 515 (412)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	3	4	5	4	4
Pin	417 004 308 (Solid)	⇐	⇐	⇐	417 004 309 (Hollow)	⇐
Engagement RPM ± 100	3800	⇐	3900	⇐	4100	⇐
Maximum RPM ± 100	8000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green/Green 417 126 801	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (long anodized) 417 126 747	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	360	340	320	300	280	250	2
Jet needle	9DGM15 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	1	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Pilot screw	1.5	⇐	⇐	2.0	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1600	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.5	1.6	1.7	1.8	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	390	370	350	330	300	280	PTO MAG
-30°C -20°F	380	350	330	310	290	270	PTO MAG
-20°C -4°F	360	340	320	300	280	250	PTO MAG
-10°C 14°F	350	330	300	280	260	240	PTO MAG
0°C 32°F	330	310	290	270	250	230	PTO MAG
10°C 50°F	320	300	270	250	230	210	PTO MAG
20°C 70°F	300	280	260	240	220	200	PTO MAG

GSX 500 SS SPORT / GTX 500 SS SPORT

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Purple/Pink 414 949 500	⇐	⇐	Pink/White 414 991 400	⇐	⇐
Ramp	417 222 515 (412)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	4	5	6	4	5	6
Pin	417 004 308 (Solid)	⇐	⇐	⇐	417 004 309 (Hollow)	⇐
Engagement RPM ± 100	3400	⇐	3900	⇐	⇐	⇐
Maximum RPM ± 100	8000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green/Green 417 126 801	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (long anodized) 417 126 747	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	360	340	320	300	280	250	2
Jet needle	9DGM15- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	1	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Pilot screw	1.5	⇐	⇐	2.0	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1600	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.5	1.6	1.7	1.8	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	390	370	350	330	300	280	PTO MAG
-30°C -20°F	380	350	330	310	290	270	PTO MAG
-20°C -4°F	360	340	320	300	280	250	PTO MAG
-10°C 14°F	350	330	300	280	260	240	PTO MAG
0°C 32°F	330	310	290	270	250	230	PTO MAG
10°C 50°F	320	300	270	250	230	210	PTO MAG
20°C 70°F	300	280	260	240	220	200	PTO MAG

MXZ 600 HO ADRENALINE

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Purple/Blue 415 034 900	⇐	⇐	Green/Blue 414 768 200	⇐	⇐
Ramp	417 222 596 (410)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 004 308 (Solid)	417 222 477 (Hollow) 4 x 206 260 699 set screw	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3800	3900	4000	4100	⇐	4200
Maximum RPM ± 100	8000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Black 417 126 687	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	47°-44° 417 126 385	⇐	⇐	44° 417 126 445	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	380	360	340	320	290	270	2
Jet needle	9DH114- 58	⇐	⇐	9DH112- 58	⇐	⇐	2
Needle position	1	⇐	⇐	2	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	na	⇐	⇐	2.0	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	P-0M	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1600	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.6	⇐	1.7	⇐	1.8	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	410	390	370	340	320	300	PTO MAG
-30°C -20°F	400	370	350	330	300	280	PTO MAG
-20°C -4°F	380	360	340	320	290	270	PTO MAG
-10°C 14°F	370	340	320	300	280	250	PTO MAG
0°C 32°F	350	330	300	280	260	250	PTO MAG
10°C 50°F	340	320	290	270	250	220	PTO MAG
20°C 70°F	320	300	280	250	230	210	PTO MAG

=> SUMMIT 600 HO SDI ADRENALINE

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Yellow 414 689 500	⇐	⇐	Violet/Green 415 015 400	⇐	⇐
Ramp	⇐	⇐	⇐	417 222 596 (410)	⇐	⇐
Calibration Screw Position	3	1	2	3	4	5
Pin	417 004 308 (Solid)	⇐	⇐	1 x 417 222 477 (Hollow) 16 mm set screw 206 261 699	417 222 477 (Hollow)	⇐
Engagement RPM ± 100	⇐	⇐	⇐	3900	⇐	⇐
Maximum RPM ± 100	⇐	⇐	⇐	8000	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇐	⇐	⇐	Violet 414 978 300	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	⇐	⇐	0.0	⇐	⇐
Cam angle (degrees)	⇐	⇐	⇐	40° anodized 417 126 971	⇐	⇐

Continued Use at Sea Level

Altitude ⇒ Description ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Recalibrate ECM	(refer to page 2 for procedure A)	⇐	⇐	(refer to page 2 for procedure B)	⇐	⇐
Sprocket	43T lower sprocket to get a chaincase ratio of 19/43	⇐	⇐	45T lower sprocket to get a chaincase ratio of 19/45	⇐	⇐
RAVE	fully screwed-in	⇐	⇐	bring screw flush with cap	⇐	⇐

=> SUMMIT 600 HO SDI ADRENALINE (EUROPE)

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Yellow 414 689 500	⇐	⇐	Violet/Green 415 015 400	⇐	⇐
Ramp	417 222 596 (410)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	4	5	6	3	4	5
Pin	417 004 308 (Solid)	⇐	⇐	Hollow-threaded 417 222 477 16 mm set screw 206 261 699	⇐	⇐
Engagement RPM ± 100	3800	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	8100	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Black 417 126 687	⇐	⇐	Violet 414 978 300	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° anodized 417 126 445	⇐	⇐	40° 417 126 971	⇐	⇐

Continued Use at High Altitude

Altitude ⇒ Description ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Recalibrate ECM	(refer to page 2 for procedure A)	⇐	refer to page 2 for procedure B)			
RAVE	fully screwd-in	⇐	⇐	bring screw flush with cap	⇐	⇐

EXPEDITION TUV 600 SDI

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow/Orange 414 689 700	⇐	⇐	Violet/Yellow 415 015 300	⇐	⇐
Ramp	417 222 596 (410)	⇐	⇐	417 222 515 (412)	⇐	⇐
Calibration Screw Position	3	4	5	4	5	6
Pin	417 004 308 (Solid)	⇐	⇐	417 222 477 (Hollow- threaded) 1 x 206 261 699 set screw	⇐	⇐
Engagement RPM ± 100	3000	⇐	⇐	4000	⇐	⇐
Maximum RPM ± 100	8000	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue (ACS 3-188) 417 119 100	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	7.7 kg 16.9 lb	⇐	⇐	⇐	⇐
Cam angle (degrees)	35°-30° M140048	⇐	⇐	⇐	⇐	⇐

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
RAVE	fully screwed-in	⇐	⇐	Bring screw flush with cap	⇐	⇐

MXZ 600 HO SDI X®

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Orange 414 689 500	⇐	⇐	Violet/Yellow 415 015 300	⇐	⇐
Ramp	417 222 596 (410)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	4	5	6	4	5	6
Pin	417 004 308 (Solid)	⇐	⇐	(Hollow-threaded) 417 222 477 20 mm set screw 206 262 099		⇐
Engagement RPM ± 100	3800	⇐	⇐	4400	⇐	⇐
Maximum RPM ± 100	8100	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Black 417 126 687	⇐	⇐	Violet 414 978 300	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (anodized) 417 126 445	⇐	⇐	47°-44° (anodized) 417 126 385	⇐	⇐

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
RAVE	fully screwed-in	⇐	⇐	Bring screw flush with cap	⇐	⇐
Sprocket	22T 504 091 100	⇐	⇐	⇐	21T sprocket 504 083 500 to get a ratio of 21/43*	

***NOTE:** Ratio of 21/43 could also be used *in deep snow* at all altitudes.

GSX 600 HO SDI SPORT / LTD / MX Z 600 HO SDI ADRENALINE

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Yellow 414 689 500	⇌	⇌	Violet/Green 415 015 400		⇌
Ramp	417 222 596 (410)	⇌	⇌	⇌	⇌	⇌
Calibration Screw Position	4	5	6	4	5	6
Pin	417 004 308 (Solid)	⇌	⇌	417 222 477 (Hollow-threaded) 16 mm set screw 206 261 699		⇌
Engagement RPM ± 100	3800	⇌	⇌	4000	⇌	⇌
Maximum RPM ± 100	8100	⇌	⇌	⇌	⇌	⇌

Driven Pulley (HPV)

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Black 417 126 687	⇌	⇌	Violet 414 978 300	⇌	⇌
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇌	⇌	⇌	⇌
Cam angle (degrees)	47°-44° (anodized) 417 126 385	⇌	⇌	⇌	⇌	⇌

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	underline indicates Revision 1 ⇌
RAVE	fully screwed-in	⇌	⇌	Bring screw flush with cap	⇌	⇌	
<u>Sprocket</u>	<u>22T</u> 504 091 100	⇌	⇌	⇌	⇌	⇌	

=> GTX 600 HO SDI SPORT / LTD

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Yellow 414 689 500	⇄	⇄	Blue/Green 414 817 700		⇄
Ramp	417 222 596 (410)	⇄	⇄	⇄	⇄	⇄
Calibration Screw Position	4	5	6	4	5	6
Pin	417 004 308 (Solid)	⇄	⇄	417 222 477 (Hollow-threaded) 16 mm set screw 206 261 699		⇄
Engagement RPM ± 100	3800	⇄	⇄	4000	⇄	⇄
Maximum RPM ± 100	8100	⇄	⇄	⇄	⇄	⇄

Driven Pulley (HPV)

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Black 417 126 687	⇄	⇄	⇄	⇄	⇄
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇄	⇄	⇄	⇄
Cam angle (degrees)	47°-44° (anodized) 417 126 385	⇄	⇄	40° 417 126 971	⇄	⇄

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
RAVE	fully screwed-in	⇄	⇄	Bring screw flush with cap	⇄	⇄
Sprocket	21T 504 096 200	⇄	⇄	⇄	⇄	⇄

=> MXZ 600 HO SDI RENEGADE® X — 1.25" TRACK / MXZ 600 HO SDI RENEGADE X — 1.75" TRACK

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	underline indicates Revision 1 ≡
Spring	Blue/Orange 414 639 000	⇐	⇐	Violet/Yellow 415 015 300	⇐	⇐	
Ramp	417 222 596 (410)	⇐	⇐	<u>⇐</u>	⇐	⇐	
Calibration Screw Position	3	4	5	4	5	6	
Pin	417 004 308 (Solid)	⇐	⇐	417 222 477 (Hollow-threaded) 16 mm set screw 206 261 699		⇐	
Engagement RPM ± 100	3800	⇐	⇐	4400	⇐	⇐	
Maximum RPM ± 100	8100	⇐	⇐	⇐	⇐	⇐	

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	underline indicates Revision 1 ≡
Spring	Black 417 126 687	⇐	⇐	Violet 414 978 300	⇐	⇐	
Spring tension	Kg ± 0.7 lb ± 1.5	⇐	⇐	⇐	⇐	⇐	
Cam angle (degrees)	44° (anodized) 417 126 445	⇐	⇐	40° 417 126 <u>921</u>	⇐	⇐	

Continued Use at High Altitude

Altitude ⇒ Description ↓	Sea Level	At and above 600 m (2000 ft)
Recalibrate ECM	(refer to page 2 for procedure A)	(refer to page 2 for procedure B)

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
RAVE	fully screwed-in	⇐	⇐	Bring screw flush with cap	⇐	⇐
Sprocket	21T 504 096 200	⇐	⇐	⇐	19T 504 152 030 for a ratio of 19/43*	

***NOTE:** Ratio of 19/43 could also be used *in deep snow* at all altitudes.

MXZ 600 HO SDI RENEGADE — 1.25" TRACK

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Yellow 414 689 500	⇐	⇐	Violet/Yellow 415 015 300	⇐	⇐
Ramp	417 222 596 (410)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	4	5	6	4	5	6
Pin	417 004 308 (Solid)	⇐	⇐	(Hollow-threaded) 417 222 477 20 mm set screw 206 262 099		⇐
Engagement RPM ± 100	3800	⇐	⇐	4400	⇐	⇐
Maximum RPM ± 100	8100	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Black 417 126 687	⇐	⇐	Violet 414 978 300	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (anodized) 417 126 445	⇐	⇐	40° 417 126 591	⇐	⇐

Continued Use at High Altitude

Altitude ⇒ Description ↓	Sea Level	At and above 600 m (2000 ft)
Recalibrate ECM	refer to page 2 for procedure A)	refer to page 2 for procedure B)

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
RAVE	fully screwed-in	⇐	⇐	Bring screw flush with cap	⇐	⇐
Sprocket	21T 504 096 200	⇐	⇐	⇐	19T 504 152 030 to get a ratio of 19/43*	

***NOTE:** Ratio of 19/43 could also be used *in deep snow* at all altitudes.

MXZ 800 HO ADRENALINE

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet/Green 415 015 400	⇐	⇐	⇐	⇐	⇐
Ramp	417 222 546 (414)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 222 594 (Solid-Long)	⇐	⇐	417 222 595 (Long-Threaded)		⇐
Engagement RPM ± 100	3800	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green 417 126 688	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	50°-40° 417 126 721	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9EG104- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	na	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Pilot screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1500	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	⇐	1.8	⇐	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470						PTO MAG
-30°C -20°F	460						PTO MAG
-20°C -4°F	440						PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

MXZ 800 HO X

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet/Green 415 015 400	⇐	⇐	⇐	⇐	⇐
Ramp	417 222 546 (414)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 222 594 (Solid-Long)	⇐	⇐	417 222 595 (Long-Threaded)		⇐
Engagement RPM ± 100	3800	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude → Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green 417 126 688	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	47°-44° 417 126 385	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude → Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9EG104- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	na	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Pilot screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1500	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	⇐	1.8	⇐	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude → Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470	⇐	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F	460	⇐	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F	440	⇐	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

MXZ 800 HO RENEGADE X — 1.25" TRACK

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet/Green 415 015 400	⇐	⇐	Green/Violet 414 762 800	⇐	⇐
Ramp	417 222 548 (415)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 222 594 (Solid-Long)	417 004 308 (Solid)	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3800	⇐	3900	4000	⇐	4100
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green 417 126 688	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (anodized) 417 126 445	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Sprocket	23T 504 091 000	⇐	⇐	⇐	19T 504 152 030 or 21T 504 096 200 to get a ratio of 19/43* or 21/43*	

***NOTE:** Ratios of 19/43 or 21/43 could also be used *in deep snow* at all altitudes.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9EG104- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	na	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1500	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	⇐	1.8	⇐	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470	⇐	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F	460	⇐	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F	440	⇐	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

MXZ 800 HO RENEGADE — 1.25" TRACK

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet/Green 415 015 400	⇐	⇐	Green/Violet 414 762 800	⇐	⇐
Ramp	417 222 548 (415)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 222 594 (Solid-Long)	417 004 308 (Solid)	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3800	⇐	3900	4000	⇐	4100
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green 417 126 688	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° (anodized) 417 126 445	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Sprocket	23T 504 091 000	⇐	⇐	⇐	19T 504 152 030 or 21T 504 096 200 to get a ratio of 19/43* or 21/43*	

***NOTE:** Ratios of 19/43 or 21/43 could also be used *in deep snow* at all altitudes.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9EG104- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	na	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1500	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	⇐	1.8	⇐	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470	⇐	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F	460	⇐	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F	440	⇐	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

MXZ 800 HO RENEGADE X — 1.75" TRACK

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet/Green 415 015 400	⇐	⇐	Green/Violet 414 762 800	⇐	⇐
Ramp	417 222 548 (415)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 004 308 (Solid)	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3800	⇐	4100	4200	⇐	4300
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green 417 126 688	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° anodized 417 126 445	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Additional Information

Altitude ⇒ Infos. ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Sprocket	21T 504 096 200	⇐	⇐	⇐	19T sprocket 504 152 030 to get a ratio of 19/43*	Europe Model Only ⇐

***NOTE:** Ratio of 19/43 could also be used *in deep snow* at all altitudes.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9EG104-58	⇐	⇐	⇐	⇐	⇐	2
Needle position	na	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle RPM ± 200	1500	⇐	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	⇐	1.8	⇐	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470	⇐	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F	460	⇐	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F	440	⇐	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

GTX 800 HO LIMITED

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Green 414 817 700	⇐	⇐	Blue/Pink 414 916 300	⇐	⇐
Ramp	417 222 546 (414)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 222 594 (Solid-Long)	⇐	⇐	417 004 308 (Solid)	⇐	⇐
Engagement RPM ± 100	3800	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude → Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green 417 126 688	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	47°-40° 417 126 724	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9EGI04- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	na	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm na	⇐	⇐	⇐	⇐	⇐	—
Idle RPM ± 200	1500	⇐	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	⇐	1.8	⇐	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude → Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470	⇐	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F	460	⇐	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F	440	⇐	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

GSX 800 HO LIMITED

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Green 414 817 700	⇐	⇐	⇐	⇐	⇐
Ramp	417 222 546 (414)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	4	5	3	4	5
Pin	417 222 594 (Solid-Long)	⇐	⇐	417 004 308 (Solid)	⇐	⇐
Engagement RPM ± 100	3600	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green 417 126 688	⇐	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	0.0	⇐	⇐	⇐	⇐	⇐
Cam angle (degrees)	50°-40° 417 126 721	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9EGI04- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	na	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1500	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	⇐	1.8	⇐	1.9	⇐	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470	⇐	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F	460	⇐	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F	440	⇐	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

SUMMIT 800 HO ADRENALINE

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇄	Violet/Yellow 415 015 300	⇄	⇄	⇄	⇄
Ramp	⇄	417 222 548 (415)	⇄	⇄	⇄	⇄
Calibration Screw Position	3	1	2	3	4	5
Pin	417 222 594 (Solid-Long)	1 x 417 222 595 (Hollow-Threaded) 1 x 206 261 299 set screw			417 222 595 (Hollow-Long) 1 x 6 mm 206 260 699	
Engagement RPM ± 100	⇄	3800	⇄	⇄	⇄	⇄
Maximum RPM ± 100	⇄	7950	⇄	⇄	⇄	⇄

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇄	Violet 414 978 300	⇄	⇄	⇄	⇄
Spring tension	Kg ± 0.7 lb ± 1.5	⇄	0.0	⇄	⇄	⇄
Cam angle (degrees)	⇄	44° 417 126 445	⇄	⇄	⇄	⇄

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	⇄	440	⇄	⇄	⇄	⇄	2
Jet needle	⇄	9DGI 13-58	⇄	⇄	⇄	⇄	2
Needle position	⇄	3	⇄	⇄	⇄	⇄	—
Slide cut-away	⇄	2.0	⇄	⇄	⇄	⇄	2
Pilot jet	⇄	17.5	⇄	⇄	⇄	⇄	2
Mixture screw	⇄	1.5	⇄	⇄	⇄	⇄	—
Valve seat	⇄	1.5	⇄	⇄	⇄	⇄	2
Needle jet	⇄	na	⇄	⇄	⇄	⇄	2
Float level	mm	⇄	na	⇄	⇄	⇄	—
Idle	RPM ± 200	⇄	1500	⇄	⇄	⇄	—
Idle throttle valve position (mm)	1.7	2.0	⇄	2.2	⇄	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F		470	⇄	⇄	⇄	⇄	PTO MAG
-30°C -20°F		460	⇄	⇄	⇄	⇄	PTO MAG
-20°C -4°F		440	⇄	⇄	⇄	⇄	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

SUMMIT 800 HO X 144" & 151" — 2.25" TRACK

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇄	Violet/Yellow 415 015 300	⇄	⇄	⇄	⇄
Ramp	⇄	417 222 548 (415)	⇄	⇄	⇄	⇄
Calibration Screw Position	3	1	2	3	4	5
Pin	417 222 594 (Solid-Long)	1 x 417 222 595 (Hollow-Threaded) 1 x 206 261 299 set screw			417 222 595 (Hollow-Long) 1 x 6 mm 206 260 699	⇄
Engagement RPM ± 100	⇄	3800	⇄	⇄	⇄	⇄
Maximum RPM ± 100	⇄	7950	⇄	⇄	⇄	⇄

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇄	Violet 414 978 300	⇄	⇄	⇄	⇄
Spring Kg ± 0.7 tension lb ± 1.5	⇄	0.0	⇄	⇄	⇄	⇄
Cam angle (degrees)	⇄	44° 417 126 967	⇄	⇄	⇄	⇄

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	⇄	440	⇄	⇄	⇄	⇄	2
Jet needle	⇄	9DGI 13- 58	⇄	⇄	⇄	⇄	2
Needle position	⇄	3	⇄	⇄	⇄	⇄	—
Slide cut-away	⇄	2.0	⇄	⇄	⇄	⇄	2
Pilot jet	⇄	17.5	⇄	⇄	⇄	⇄	2
Mixture screw	⇄	1.5	⇄	⇄	⇄	⇄	—
Valve seat	⇄	1.5	⇄	⇄	⇄	⇄	2
Needle jet	⇄	na	⇄	⇄	⇄	⇄	2
Float level	mm	⇄	na	⇄	⇄	⇄	—
Idle	RPM ± 200	⇄	1500	⇄	⇄	⇄	—
Idle throttle valve position (mm)	1.7	2.0	⇄	2.2	⇄	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F		470	⇄	⇄	⇄	⇄	PTO MAG
-30°C -20°F		460	⇄	⇄	⇄	⇄	PTO MAG
-20°C -4°F		440	⇄	⇄	⇄	⇄	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

SUMMIT 800 HO ADRENALINE (EUROPE)

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet/Green 415 015 400	Violet/Yellow 415 015 300	⇐	⇐	⇐	⇐
Ramp	417 222 548 (415)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	3	1	2	3	4	5
Pin	417 004 308 (Solid)	417 222 595 (Hollow-Threaded) 1 x 206 261 299 set screw		⇐	417 222 595 (Hollow-Threaded) 6 mm 206 260 699	
Engagement RPM ± 100	3800	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	7950	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet 414 978 300	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44° anodized 417 126 445	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	440	⇐	⇐	⇐	⇐	⇐	2
Jet needle	9DGI13- 58	⇐	⇐	⇐	⇐	⇐	2
Needle position	3	⇐	⇐	⇐	⇐	⇐	—
Slide cut-away	2.0	⇐	⇐	⇐	⇐	⇐	2
Pilot jet	17.5	⇐	⇐	⇐	⇐	⇐	2
Mixture screw	1.5	⇐	⇐	⇐	⇐	⇐	—
Valve seat	1.5	⇐	⇐	⇐	⇐	⇐	2
Needle jet	na	⇐	⇐	⇐	⇐	⇐	2
Float level	mm	na	⇐	⇐	⇐	⇐	—
Idle	RPM ± 200	1500	⇐	⇐	⇐	⇐	—
Idle throttle valve position (mm)	2.0	⇐	⇐	2.2	⇐	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F	470	⇐	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F	460	⇐	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F	440	⇐	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

SUMMIT 800 HO X 159" — 2.25" TRACK

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇐	Violet/Yellow 415 015 300	⇐	⇐	⇐	⇐
Ramp	⇐	417 222 548 (415)	⇐	⇐	⇐	⇐
Calibration Screw Position	3	1	2	3	4	5
Pin	417 222 594 (Solid-Long)	1 x 417 222 595 (Hollow-Threaded) 1 x 206 261 299 set screw			417 222 595 (Hollow-Threaded) screw 6 mm 206 260 699	
Engagement RPM ± 100	⇐	3800	⇐	⇐	⇐	⇐
Maximum RPM ± 100	⇐	7950	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇐	Violet 414 978 300	⇐	⇐	⇐	⇐
Spring Kg ± 0.7 tension lb ± 1.5	⇐	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	⇐	44°-42° anodized	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition. Always observe spark plug condition for proper jetting.

Carburetion

(Refer to appropriate Specification Booklet for part numbers)

Altitude ⇒ Calibration ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Main jet	⇐	440	⇐	⇐	⇐	⇐	2
Jet needle	⇐	9DGZ13- 58	⇐	⇐	⇐	⇐	2
Needle position	⇐	3	⇐	⇐	⇐	⇐	—
Slide cut-away	⇐	2.0	⇐	⇐	⇐	⇐	2
Pilot jet	⇐	17.5	⇐	⇐	⇐	⇐	2
Mixture screw	⇐	1.5	⇐	⇐	⇐	⇐	—
Valve seat	⇐	1.5	⇐	⇐	⇐	⇐	2
Needle jet	⇐	na	⇐	⇐	⇐	⇐	2
Float level	mm	⇐	na	⇐	⇐	⇐	—
Idle	RPM ± 200	⇐	1500	⇐	⇐	⇐	—
Idle throttle valve position (mm)	1.7	2.0	⇐	2.2	⇐	2.4	—

Main Jet Chart

(Refer to last page table for part numbers)

Altitude ⇒ Temperature ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
-40°C -40°F		470	⇐	⇐	⇐	⇐	PTO MAG
-30°C -20°F		460	⇐	⇐	⇐	⇐	PTO MAG
-20°C -4°F		440	⇐	⇐	⇐	⇐	PTO MAG
-10°C 14°F							PTO MAG
0°C 32°F							PTO MAG
10°C 50°F							PTO MAG
20°C 70°F							PTO MAG

SUMMIT HIGHMARK[‡] / HIGHMARK X (RT)

Drive Pulley (TRA V)

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇐	⇐	⇐	Pink/White 414 991 400	Violet/Yellow 415 015 300	
Ramp	⇐	⇐	⇐	417 222 799 (433)	3x 417 222 546 (414)	
Calibration Screw Position	6	2	3	4	3	4
Pin	⇐	417 222 812 (Steel lever) 1 x 417 004 309 (Hollow)			3 x 417 222 595 (Long-Threaded) 3 x 206 262 599 set screw	
Lever	⇐	⇐	⇐	steel lever	417 222 671 (3x) (Alu. lever)	
Cotter Pin/Pin Screw	⇐	⇐	⇐	3 x 732 958 001	⇐	
Roller Assy	⇐	⇐	⇐	3x 417 003 900	⇐	
Stopper Washer	⇐	⇐	⇐	6x 417 004 302	⇐	
Engagement RPM ± 100	⇐	⇐	⇐	3500	4000	⇐
Maximum RPM ± 100	⇐	⇐	⇐	7900	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇐	⇐	⇐	Violet 414 978 300	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	⇐	⇐	0.0	⇐	⇐
Cam angle (degrees)	⇐	⇐	⇐	44°-36° 417 126 937	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition.

Vehicle Calibration

Altitude ⇒ Description	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
ECM Cal. File from B.U.D.S.	420 664 613	⇐	⇐	420 664 619	⇐	⇐
TPS angle	4.6°	⇐	⇐	5.0°	⇐	⇐
Sprocket	23T 504 091 000	⇐	⇐	21T 504 096 200	⇐	⇐

[‡] Highmark is a trademark of a third party.

SUMMIT HIGHMARK (RT) (EUROPE)

Drive Pulley (TRA V)

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Green/White 417 222 371	⇌	⇌	⇌	Violet/Yellow 415 015 300	
Ramp	417 222 444 (600)	⇌	⇌	⇌	417 222 546 (414)	
Calibration Screw Position	3	4	5	2	3	4
Pin	417 222 812 (Steel lever) 1 x 417 004 309 (Hollow)	⇌	⇌	⇌	3 x 417 222 595 (Long-Threaded) 1 x 206 262 599 set screw	
Lever	steel lever	⇌	⇌	⇌	3x 417 222 671 (Alu. lever)	
Cotter Pin/Pin Screw	3x 732 958 001	⇌	⇌	⇌	⇌	
Roller Assy	3x 417 003 900	⇌	⇌	⇌	⇌	
Stopper Washer	6x 417 004 302	⇌	⇌	⇌	⇌	
Engagement RPM ± 100	3400	3500	⇌	4000	⇌	⇌
Maximum RPM ± 100	7900	7900	⇌	⇌	⇌	⇌

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet 414 978 300	⇌	⇌	⇌	⇌	⇌
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇌	⇌	⇌	⇌
Cam angle (degrees)	44°-36° 417 126 937	⇌	⇌	⇌	⇌	⇌

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition.

Vehicle Calibration

Altitude ⇒ Description	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
ECM Cal. File from B.U.D.S.	420 664 613	⇌	420 664 619	⇌	⇌	⇌
TPS angle	4.6°	⇌	5.0°	⇌	⇌	⇌
Sprocket	22T 504 091 100	⇌	21T 504 096 200	⇌	⇌	⇌

MACH Z® ADRENALINE (RT) X / MX Z 1000 RENEGADE X — 1.25" TRACK / MX Z 1000 — 1.75" TRACK

Drive Pulley (TRA V)

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Pink/Pink 415 074 800	Pink/White 414 991 400	⇐	⇐	Violet/Yellow 415 015 300	⇐
Ramp	417 222 815 (3x) (434)	417 222 799 (433)	⇐	⇐	417 222 546 (3x) (414)	⇐
Calibration Screw Position	6	2	3	4	3	4
Pin	1 x 417 222 595 (Hollow)	⇐	⇐	⇐	1 x 417 222 595 (Long-Threaded) 1 x 206 262 599 set screw	
Lever	417 222 811 (3x) (Steel lever)	⇐	⇐	⇐	417 222 671 (3x) Alum. Lever	⇐
Cotter Pin/ Pin Screw	417 222 813 (3x) Pin Screw	⇐	⇐	⇐	732 958 001 (3x) Cotter Pin	⇐
Roller Assy	417 222 762 (3x)	⇐	⇐	⇐	417 003 900 (3x)	⇐
Stopper Washer	417 004 302 (6X0)	⇐	⇐	⇐	⇐	⇐
Engagement RPM ± 100	3000	3500	⇐	⇐	4000	⇐
Maximum RPM ± 100	7900	7900	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Violet 414 978 300	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	0.0	⇐	⇐	⇐	⇐
Cam angle (degrees)	44°-33° 417 126 933	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition.

Vehicle Calibration

Altitude ⇒ Description ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
ECM Cal. File from B.U.D.S.	420 664 613	⇐			420 664 619	
TPS angle	4.6°	⇐			5.0°	
Upper Sprocket	29T 504 152 442	⇐			*21T 504 096 200 or *23T 504 091 000	
Lower Sprocket	49T 504 152 412	⇐				
Chain	82-13 504 152 415	⇐			*80 504 152 522	

* NOTE: A chain tensioner must be added.

EXPEDITION TUV V-1000

Drive Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Red/Orange 415 015 200	⇐	⇐	⇐	⇐	⇐
Ramp	417 222 569 (607)	⇐	⇐	⇐	⇐	⇐
Calibration Screw Position	4	5	3	4	5	6
Pin	417 222 594 (Solid-Long)	⇐	417 004 309 (Hollow)	⇐	⇐	⇐
Engagement RPM ± 100	2500	⇐	⇐	⇐	⇐	⇐
Maximum RPM ± 100	7250	⇐	⇐	⇐	⇐	⇐

Driven Pulley

Altitude ⇒ Clutching ↓	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue 417 126 689	⇐	⇐	⇐	⇐	⇐
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 kg 15.4 lb	⇐	⇐	⇐	⇐
Cam angle (degrees)	40°-30° M140057	⇐	⇐	⇐	⇐	⇐

CAUTION: These adjustments are guidelines only. Specific adjustments vary with temperature, altitude and snow condition.

Main Jets Chart

TYPE	BRP P/N	TYPE	BRP P/N	TYPE	BRP P/N
90	404 132 900	180	404 112 200	310	404 107 800
100	404 132 000	185	404 119 500	320	404 101 300
105	404 132 100	190	404 119 000	330	404 101 400
110	404 124 100	195	404 119 400	340	404 104 900
115	404 124 000	200	404 112 300	350	404 106 000
120	404 123 900	205	404 159 200	360	404 106 100
125	404 124 800	210	404 119 100	370	404 106 200
130	404 124 900	215	404 161 979	380	404 106 300
135	404 130 400	220	404 111 200	390	404 106 400
140	404 126 600	230	404 118 900	400	404 100 900
145	404 130 500	240	404 100 200	410	404 101 000
150	404 120 900	250	404 100 300	420	404 107 900
155	404 128 700	260	404 100 600	430	404 108 000
160	404 118 200	270	404 100 400	440	404 108 100
165	404 119 300	280	404 100 500	460	404 106 600
170	404 123 800	290	404 101 100	470	404 106 700
175	404 119 200	300	404 101 200		