SNOWMOBILES
SERVICE
Bulletin

August 15, 2008 Subject: **High Altitude / Sea Level Specifications** No. **2009-5**

REVISION 3
December 18, 2008

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2009	All	All	All

⇨ Underlined text(s) between arrows is (are) added element(s) to the original publication. ⇦

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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 REVISION OF BULLETIN NO.
2008	2008-6
2007	2007-1
2006	2006-2
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 revision of *HIGH ALTITUDE AND SEA LEVEL DATA* booklet, (P/N 484 300 003)

NOTE: Throughout this entire document, shaded area gives factory settings (that could apply through different altitudes) while N/A stands for "not applicable".

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

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

BRP Lite

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

Reverse Connector

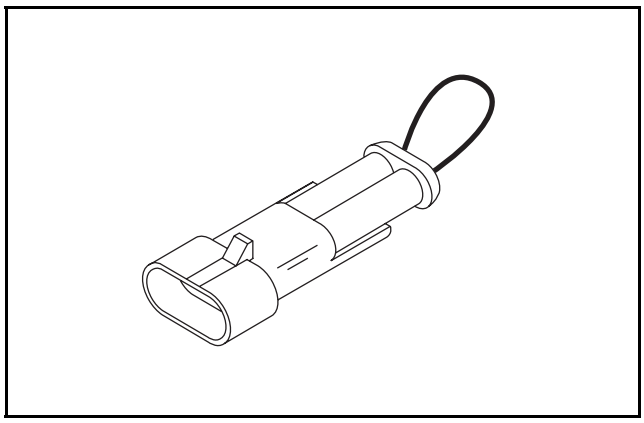
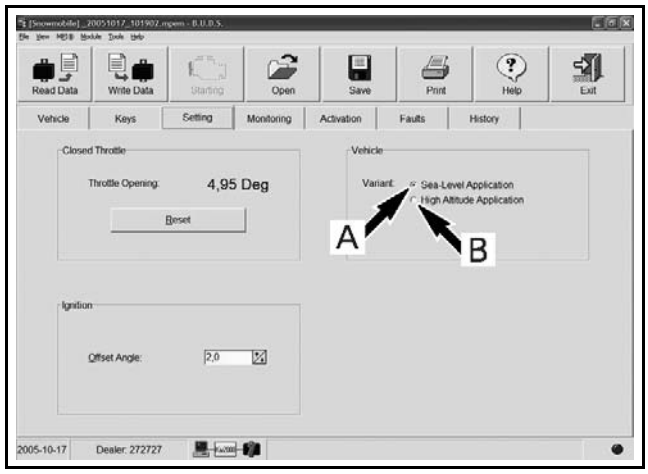


Illustration shows reverse connector (P/N 515 174 700), used at 2400 m (8000 ft) in some FAN models. — *Simply unplug existing sea level cap from the ECM and plug-in the reverse connector.*

600 H.O. 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

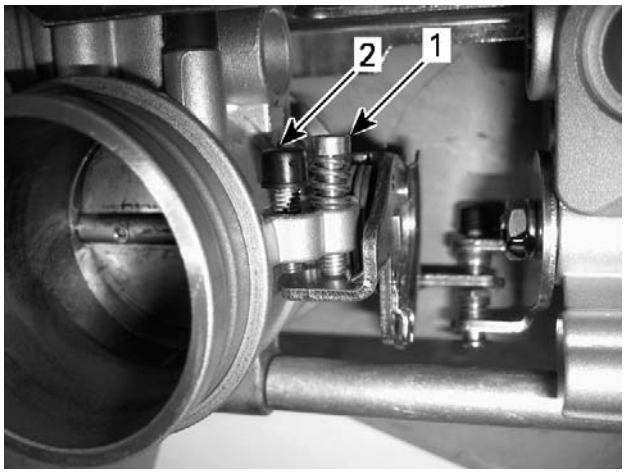
600 SDI Only

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.

1. Remove the air intake silencer.
2. Disconnect the air valve connector.
3. 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.



mbg2006-002-001_a

⚠ 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.

4. Select the vehicle's protocol in **Choose Protocol** from the **MPI** menu. The protocol is KW 2000.
5. Remove the protective cap from the 6 pin connector on the vehicle.
6. Connect the B.U.D.S. harness 6 pin adapter directly to the 6 pin vehicle connector.
7. Turn the engine shutdown switch to the engine off position.
8. Insert the grey DESS cap (P/N 529 035 896).
9. Press the start button to wake up the ECM.
10. Press the **Read Data** button.
11. Click on **Setting** tab.
12. 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.**

13. Click OK to continue.
14. 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.

15. Remove the tether cord cap from the DESS post and wait until the message disappears before reinserting the tether cord cap.
16. 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.

17. Ensure to save new data by clicking on the **Write Data** button.
18. If throttle cable has been loosened during the procedure, adjust throttle cable.
19. Reinstall all removed parts. Start engine and make sure it operates normally through its full engine RPM range.

EXPEDITION® TUV 600 H.O. SDI (YETI™ 2)

► Drive Pulley

CLUTCHING	ALTITUDE					
	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)			Purple/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) (206 261 699) set screw		
Engagement RPM ± 100	3000			4000		
Maximum RPM ± 100	8000					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Orange/Gold/Gold (M140069)					
Spring tension	Kg ± 0.7 lb ± 1.5	8.2 kg (18.1 lb)					
Cam angle (degrees)		35°-30° (M140056)					

► Additional Information

INFOS	ALTITUDE					
	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		

EXPEDITION TUV 600 H.O. SDI (REV™ XU-154")

► Drive Pulley

CLUTCHING	ALTITUDE					
	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	2	3	4	3	4	5
Pin	(417 222 594) (Solid-Long)			(417 004 309) (Hollow Short)		
Engagement RPM ± 100	3000					
Maximum RPM ± 100	8100					

► Driven Pulley

CLUTCHING		ALTITUDE					
		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)		42°					

► Additional Information

INFOS	ALTITUDE					
	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		

FREESTYLE™ BACKCOUNTRY™ 550 F

► Drive Pulley

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow/Yellow (414 748 600)					
Block	(417 118 100)					
Weight (refer to photo on page 2)	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)	1 x (417 120 400)	5 x (417 114 400)	2 x (417 114 400)
Capsule	1 x (417 114 500)					
Engagement RPM ± 100	2700		3400		3600	
Maximum RPM ± 100	6900					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44° (417 126 574)					

⚠ **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

INFOS	ALTITUDE					
	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	

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		190	180	170	150	120	105	2
Jet needle		6BFY46						2
Needle position		3			2			—
Slide cut-away		2.5						2
Pilot jet		45						2
Mixture screw		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)		1.5	1.6	1.7	1.8	2.0	2.3	—

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C -40°F	200	190	180	160	130	115	PTO MAG
-30°C -20°F	190	180	170	150	120	105	PTO MAG
-20°C / -4°F							PTO MAG
-10°C 14°F	180	170	160	140	110	95	PTO MAG
0°C 32°F							PTO MAG
10°C 50°F	170	160	150	130	100	85	PTO MAG
20°C 70°F							PTO MAG

GSX® FAN 550 F

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	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	(417 114 500)					
Engagement RPM ± 100	3500		3600		3800	
Maximum RPM ± 100	7000					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44°-40° (417 126 830)					

⚠ **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**

INFOS	ALTITUDE					
	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	

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
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)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-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					190	175	PTO / MAG
-10°C / 14°F	250	240	230	215	185	170	PTO / MAG
0°C / 32°F				210	180	165	PTO / MAG
10°C / 50°F	240	230	220	205	175	160	PTO / MAG
20°C / 70°F				200	170	155	PTO / MAG

GSX LIMITED 600 H.O. E-TEC / MXZ® TNT™ 600 H.O. E-TEC / MXZ X® 600 H.O. E-TEC

► Drive Pulley

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Blue (417 127 118)			Purple/Green (415 015 400)		
Ramp	(417 222 515) (412)			(417 222 546) (414)		
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 004 308) (Solid)			(417 222 595) (Hollow-Long Threaded)		
Engagement RPM ± 100	3400			4000		
Maximum RPM ± 100	8100					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Green (417 127 137)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		48° (417 127 083)			42°-40° (417 127 106)		

GSX LIMITED 1200 4-TEC™

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow/Blue (414 818 000)					
Ramp	(417 223 090) (618)					
Calibration Screw Position	3	4	5	1	2	3
Pin	(417 222 594) (Solid-Long)			(417 004 309) (Hollow short)		
Engagement RPM ± 100	2500			2800		
Maximum RPM ± 100	7800					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Beige (417 127 151)					
Spring tension	Kg ± 0.7 lb ± 1.5	7.9 Kg (17.4 lb)					
Cam angle (degrees)		50°-44° (417 127 146)			44° (417 127 169)		

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

GSX SPORT 500 SS

► Drive Pulley

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Purple (414 817 800)			Pink/Purple (414 754 200)		
Ramp	(417 222 515) (412)					
Calibration Screw Position	3	4	5	4	5	6
Pin	(417 004 308) (Solid)			(417 004 309) (Hollow)		
Engagement RPM ± 100	3400		3900			
Maximum RPM ± 100	8100					

► Driven Pulley

CLUTCHING		ALTITUDE					
		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)		42°					

⚠ 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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		420	390	360	330	300	280	2
Jet needle		9ECY01-58						2
Needle position		3						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Pilot screw		1.5			2.0			2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
Idle RPM	± 200	1600						—
Idle throttle valve position (mm)		1.5	1.6	1.7	1.8	1.9		—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	440	410	380	350	320	300	PTO / MAG
-30°C / -20°F	430	400	370	340	310	290	PTO / MAG
-20°C / -4°F	420	390	360	330	300	280	PTO / MAG
-10°C / 14°F	410	380	350	320	290	270	PTO / MAG
0°C / 32°F	400	370	340	310	280	260	PTO / MAG
10°C / 50°F	390	360	330	300	270	250	PTO / MAG
20°C / 70°F	380	350	320	290	260	240	PTO / MAG

GTX† FAN 550 F

► Drive Pulley

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

CLUTCHING	ALTITUDE					
	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	(417 114 500)					
Engagement RPM ± 100	3000		3100	3200	3300	
Maximum RPM ± 100	7000					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44°-40° (417 126 830)					

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

INFOS	ALTITUDE					
	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		

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
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)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-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					190	175	PTO / MAG
-10°C / 14°F	250	240	230	215	185	170	PTO / MAG
0°C / 32°F				210	180	165	PTO / MAG
10°C / 50°F	240	230	220	205	175	160	PTO / MAG
20°C / 70°F				200	170	155	PTO / MAG

GTX LE 600 H.O. E-TEC™

► Drive Pulley

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Blue (417 127 118)			Purple/Green (415 015 400)		
Ramp	(417 222 546) (414)					
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 004 308) (Solid)			(Hollow-Long Threaded) (417 222 595)		
Engagement RPM ± 100	3400					
Maximum RPM ± 100	8100					

► Driven Pulley

CLUTCHING		ALTITUDE					
		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)		42°					

GTX LE 1200 4-TEC / GTX SE 1200 4-TEC

► Drive Pulley

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow/Blue (414 818 000)					
Ramp	(417 223 090) (618)					
Calibration Screw Position	3	4	5	1	1	1
Pin	(417 222 594) (Solid-Long)			(Hollow short) (417 004 309)		
Engagement RPM ± 100	2500					
Maximum RPM ± 100	7800					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Beige (417 127 151)					
Spring tension	Kg ± 0.7 lb ± 1.5	7.9 Kg (17.4 lb)					
Cam angle (degrees)		50°-44° (417 127 146)			44° (417 127 169)		

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

GTX SPORT 500 SS

► Drive Pulley

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Purple (414 817 800)			Pink/Purple (414 754 200)		
Ramp	(417 222 515) (412)					
Calibration Screw Position	3	4	5	4	5	6
Pin	(417 004 308) (Solid)			(417 004 309) (Hollow)		
Engagement RPM ± 100	3400		3900			
Maximum RPM ± 100	8100					

► Driven Pulley

CLUTCHING		ALTITUDE					
		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)		42°					

⚠ 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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		420	390	360	330	300	280	2
Jet needle		9CEY01-58						2
Needle position		3						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Pilot screw		1.5			2.0			2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
Idle RPM	± 200	1600						—
Idle throttle valve position (mm)		1.5	1.6	1.7	1.8	1.9		—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	440	410	380	350	320	300	PTO / MAG
-30°C / -20°F	430	400	370	340	310	290	PTO / MAG
-20°C / -4°F	420	390	360	330	300	280	PTO / MAG
-10°C / 14°F	410	380	350	320	290	270	PTO / MAG
0°C / 32°F	400	370	340	310	280	260	PTO / MAG
10°C / 50°F	390	360	330	300	270	250	PTO / MAG
20°C / 70°F	380	350	320	290	260	240	PTO / MAG

LEGEND™ TOURING V-800 4-TEC

► Drive Pulley

CLUTCHING	ALTITUDE					
	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)					
Ramp	(417 222 940) (616)					
Calibration Screw Position	3	4	6	3	4	6
Pin	(417 222 594) (Solid-Long)			(417 004 309) (Hollow)		
Engagement RPM ± 100	2100					
Maximum RPM ± 100	7200					7000

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Pink (417 126 735)					
Spring tension	Kg ± 0.7 lb ± 1.5	7.3 kg (16.0 lb)					
Cam angle (degrees)		44° (417 126 574)					

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

MXZ ADRENALINE 600 H.O. E-TEC / MXZ 50th ANNIVERSARY 600 H.O. E-TEC

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Blue (417 127 118)			Purple/Green (415 015 400)		
Ramp	(417 222 515) (412)			(417 222 546) (414)		
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 004 308) (Solid)			(417 222 595) (Hollow-Long Threaded)		
Engagement RPM ± 100	3400			4000		
Maximum RPM ± 100	8100					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Green (417 127 137)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		48° (417 127 083)			42°-40° (417 127 106)		

MXZ ADRENALINE 800 R Power TEK

► Drive Pulley

CLUTCHING	ALTITUDE					
	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)					
Ramp	(417 222 546) (414)					
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 222 594) (Solid-Long)			(417 222 595) (Hollow-Long Threaded) / (206 262 099) set screw		
Engagement RPM ± 100	3800					
Maximum RPM ± 100	8200					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Green (417 127 137)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		47°-44°					

⚠ 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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		480						2
Jet needle		9EGI04–58						2
Needle position		N/A						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Pilot screw		1.5						2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
Idle RPM	± 200	1600						—
Idle throttle valve position (mm)		1.6		1.8		2.0		—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	520 N						PTO / MAG
-30°C / -20°F	500						PTO / MAG
-20°C / -4°F	480						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 RENEGADE® 600 H.O. E-TEC / MXZ RENEGADE X® 600 H.O. E-TEC

► Drive Pulley

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Blue (417 127 118)			Purple/Green (415 015 400)		
Ramp	(417 222 515) (412)			(417 222 546) (414)		
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 004 308) (Solid)			(417 222 595) (Hollow-Long Threaded)		
Engagement RPM ± 100	3400			4000		
Maximum RPM ± 100	8100					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Green (417 127 137)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		48° (417 127 083)			40° (417 126 956)		

► Additional Information

INFOS	ALTITUDE						TRACK SIZE
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
From Factory							
Sprocket	21 tooth (504 096 200)						1-1/4"
Chain	(504 152 579) – 102 links / 21 - 45 (405 152 593)						1-1/4"
High Altitude Permanent Use							
Chain/ Sprocket	(504 152 630) – 106 links / 21 - 49 (504 152 627)						1-1/4"

MXZ RENEGADE 800 R Power TEK
/
MXZ RENEGADE X 800 R Power TEK

► Drive Pulley

CLUTCHING	ALTITUDE					
	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)					
Ramp	(417 222 545) (413)					
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 222 594) (Solid-Long)			(417 222 595) (Hollow-Long Threaded) (206 261 299) set screw		
Engagement RPM ± 100	3800		3900	4000		4100
Maximum RPM ± 100	8200					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Green (417 127 137)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44°-42°					

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

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		480						2
Jet needle		9EGI04-58						2
Needle position		N/A						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Mixture screw		1.5						2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
Idle RPM	± 200	1600						—
Idle throttle valve position (mm)		1.6		1.8		2.0		—

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	520 N						PTO / MAG
-30°C / -20°F	500						PTO / MAG
-20°C / -4°F	480						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 RENEGADE 1200 4-TEC / MXZ RENEGADE X 1200 4-TEC

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Blue (417 127 118)			Yellow/Green (414 742 100)		
Ramp	(417 223 088) (617)					
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 222 594) (Solid-Long)			(417 222 595) (Hollow-Long Threaded)		
Engagement RPM ± 100	2800					
Maximum RPM ± 100	7800					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Beige (417 127 151)					
Spring tension	Kg ± 0.7 lb ± 1.5	7.9 Kg (17.4 lb)					
Cam angle (degrees)		47°-44° (417 127 148)			44° (417 127 169)		

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

MXZ TNT 500 SS / MXZ TRAIL 500 SS

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Purple/Purple (414 817 900)			Pink/Purple (414 754 200)		
Ramp	(417 222 515) (412)					
Calibration Screw Position	3	4	5	4	5	6
Pin	(417 004 308) (Solid)			(417 004 309) (Hollow)		
Engagement RPM ± 100	3800			3900	4100	
Maximum RPM ± 100	8100					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		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)		42° (417 127 012)					

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

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		420	390	360	330	300	280	2
Jet needle		9CEY01-58						2
Needle position		3						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Pilot screw		1.5			2.0			2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
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)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	440	410	380	350	320	300	PTO / MAG
-30°C / -20°F	430	400	370	340	310	290	PTO / MAG
-20°C / -4°F	420	390	360	330	300	280	PTO / MAG
-10°C / 14°F	410	380	350	320	290	270	PTO / MAG
0°C / 32°F	400	370	340	310	280	260	PTO / MAG
10°C / 50°F	390	360	330	300	270	250	PTO / MAG
20°C / 70°F	380	350	320	290	260	240	PTO / MAG

MXZ TNT 1200 4-TEC / MXZ X 1200 4-TEC

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Blue/Blue (417 127 118)			Yellow/Blue (414 818 000)		
Ramp	(417 223 088) (617)					
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 222 594) (Solid Long)			(Hollow-Long Threaded) (417 222 595)		
Engagement RPM ± 100	2800					
Maximum RPM ± 100	7800					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Beige (417 127 151)					
Spring tension	Kg ± 0.7 lb ± 1.5	7.9 Kg (17.4 lb)					
Cam angle (degrees)		50°-44° (417 127 146)			44° (417 127 169)		

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

MXZ X 800 R Power TEK

► Drive Pulley

CLUTCHING	ALTITUDE					
	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)					
Ramp	(417 222 546) (414)					
Calibration Screw Position	3	4	5	3	4	5
Pin	(417 222 594) (Solid-Long)			(417 222 595) (Hollow-Long Threaded) / (206 262 099) set screw		
Engagement RPM ± 100	3800					
Maximum RPM ± 100	8200					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Green (417 127 137)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		47°-44°					

⚠ 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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		480						2
Jet needle		9EGI04-58						2
Needle position		N/A						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Pilot screw		1.5						2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
Idle RPM	± 200	1600						—
Idle throttle valve position (mm)		1.6		1.8		2.0		—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	520 N						PTO / MAG
-30°C / -20°F	500						PTO / MAG
-20°C / -4°F	480						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 550X® 550F

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	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	(417 114 500)					
Engagement RPM ± 100	3500		3600		3800	
Maximum RPM ± 100	7000					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44°-40° (417 126 830)					

⚠ **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**

INFOS	ALTITUDE					
	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	

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
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)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-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					190	175	PTO / MAG
-10°C / 14°F	250	240	230	215	185	170	PTO / MAG
0°C / 32°F				210	180	165	PTO / MAG
10°C / 50°F	240	230	220	205	175	160	PTO / MAG
20°C / 70°F				200	170	155	PTO / MAG

SKANDIC® SUV 550F

► Drive Pulley

CLUTCHING	ALTITUDE					
	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	(417 222 444) (600)					
Calibration Screw Position	3		4	5	3	4
Weight (refer to photo on page 2)	(417 004 308) Solid Short				(417 004 309) (Hollow Short)	
Engagement RPM ± 100	2800		3000		3200	3400
Maximum RPM ± 100	6900					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Orange/Blue/Blue (417 119 100)					
Spring tension	Kg ± 0.7 lb ± 1.5	8.0 kg (17.6 lb)					
Cam angle (degrees)		40°-30° (619 100 035)					

⚠ **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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		190	180	170	160	150	140	2
Jet needle		6BFY46						2
Needle position		2			1			—
Slide cut-away		2						2
Pilot jet		40						2
Mixture screw		2.5			2			2
Valve seat		1.2						2
Needle jet		P-8 (159)						2
Float level	mm	23.9						—
Idle RPM	± 200	1650						—
Idle throttle valve position (mm)		1.5	1.7	1.8	2	2.1	2.2	—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	210	200	190	180	170	160	PTO / MAG
-30°C / -20°F	200	190	180	170	160	150	PTO / MAG
-20°C / -4°F	190	180	170	160	150	140	PTO / MAG
-10°C / 14°F	180	170	160	150	140	130	PTO / MAG
0°C / 32°F	170	160	150	140	130	120	PTO / MAG
10°C / 50°F	160	150	140	130	120	110	PTO / MAG
20°C / 70°F	150	140	130	120	110	100	PTO / MAG

SKANDIC SWT V-800 4-TEC / EXPEDITION TUV V-800 4-TEC

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Red/Red (414 689 800)					
Ramp	(417 222 883) (614)					
Calibration Screw Position	3	4	6	5		
Pin	(417 222 594) (Solid-Long)			(417 004 309) (Hollow)		
Engagement RPM ± 100	2500					
Maximum RPM ± 100	7250					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Orange/Gold/Gold (M140069)					
Spring tension	Kg ± 0.7 lb ± 1.5	8.2 kg (18.1 lb)					
Cam angle (degrees)		40°-30° (619 100 035)					

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

SKANDIC TUNDRA™ STD 300F

► Drive Pulley

CLUTCHING	ALTITUDE					
	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)	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	(417 114 500)					
Engagement RPM ± 100	3300	3400	3500	3600		
Maximum RPM ± 100	6950					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 — lb ± 1.5	0.0					
Cam angle (degrees)		44° (417 126 574)					

⚠ 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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
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		2.0			1.0			—
Valve seat		1.2						—
Needle jet		O-6 (159)						1
Float level	mm	24.9						—
Idle RPM	± 200	1650						—
Idle throttle valve position (mm)		1.6	1.7	1.8	1.9	2.0	2.1	—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-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	—

SKANDIC TUNDRA LT 550F

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	Yellow/Yellow (414 748 600)					
Block	(417 118 100)					
Weight (refer to photo on page 2)	5 x (417 114 400) 1 x (417 120 400)	4 x (417 114 400) 1 x (417 120 400)	3 x (417 114 400) 1 x (417 120 400)	1 x (417 114 400) 1 x (417 120 400)	1 x (417 120 400)	3 x (417 114 400)
Capsule	(417 114 500)					
Engagement RPM ± 100	2700		2800	2900	3000	
Maximum RPM ± 100	6900					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44° (417 126 574)					

⚠ **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**

INFOS	ALTITUDE					
	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		

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		190	180	170	150	120	105	2
Jet needle		6BFY46						2
Needle position		3			2			—
Slide cut-away		2.5						2
Pilot jet		45						2
Mixture screw		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)		1.5	1.6	1.7	1.8	2.0	2.3	—

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	200	190	180	160	130	115	PTO / MAG
-30°C / -20°F	190	180	170	150	120	105	PTO / MAG
-20°C / -4°F							PTO / MAG
-10°C / 14°F	180	170	160	140	110	95	PTO / MAG
0°C / 32°F							PTO / MAG
10°C / 50°F	170	160	150	130	100	85	PTO / MAG
20°C / 70°F							PTO / MAG

SKANDIC TUNDRA LT V-800 4-TEC

► Drive Pulley

CLUTCHING	ALTITUDE					
	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)					
Ramp	(417 222 940) (616)					
Calibration Screw Position	3	4	6	3	4	6
Pin	(417 004 308) (Solid-Short)			(417 004 309) (Hollow Short)		
Engagement RPM ± 100	2100					
Maximum RPM ± 100	7200					

► Driven Pulley

CLUTCHING		ALTITUDE					
		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	7.3 kg (16.0 lb)					
Cam angle (degrees)		44° (417 126 574)					

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

SKANDIC WT 550F

► Drive Pulley

CLUTCHING	ALTITUDE					
	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	(417 222 444) (600)					
Calibration Screw Position	3		4	5	3	4
Weight (refer to photo on page 2)	(417 004 308) Solid Short				(417 004 309) (Hollow Short)	
Engagement RPM ± 100	2800		3000		3200	3400
Maximum RPM ± 100	6900					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Orange/Blue/Blue (417 119 100)					
Spring tension	Kg ± 0.7 lb ± 1.5	8.0 kg (17.6 lb)					
Cam angle (degrees)		40°-30° (619 100 035)					

⚠ 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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		190	180	170	160	150	140	2
Jet needle		6BFY46						2
Needle position		2			1			—
Slide cut-away		2						2
Pilot jet		40						2
Mixture screw		2.5			2			2
Valve seat		1.2						2
Needle jet		P-8 (159)						2
Float level	mm	23.9						—
Idle RPM	± 200	1650						—
Idle throttle valve position (mm)		1.5	1.7	1.8	2	2.1	2.2	—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	210	200	190	180	170	160	PTO / MAG
-30°C / -20°F	200	190	180	170	160	150	PTO / MAG
-20°C / -4°F	190	180	170	160	150	140	PTO / MAG
-10°C / 14°F	180	170	160	150	140	130	PTO / MAG
0°C / 32°F	170	160	150	140	130	120	PTO / MAG
10°C / 50°F	160	150	140	130	120	110	PTO / MAG
20°C / 70°F	150	140	130	120	110	100	PTO / MAG

SKANDIC WT 600

► Drive Pulley

CLUTCHING	ALTITUDE					
	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-Long Threaded) (206 262 099) set screw		
Engagement RPM ± 100	2800			3000		
Maximum RPM ± 100	7100					

► Driven Pulley

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Orange/Blue/Blue (417 119 100)					
Spring tension	Kg ± 0.7 lb ± 1.5	8.0 kg (17.6 lb)					
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)

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
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		P-9 (480)						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	—

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-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

=> SUMMIT® EVEREST® 600 H.O. E-TEC 146" / SUMMIT X 600 H.O. E-TEC

► Drive Pulley

CLUTCHING	ALTITUDE					
	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) ⇦		Violet/Green (415 015 400)			
Ramp	⇨ (417 222 515) (412) ⇦		(417 223 096) (440)			
Calibration Screw Position	3	4	⇨ 2 ⇦	3	5	6
Pin	⇨ (417 004 308) (Solid Short) ⇦		(417 222 477) (Hollow Threaded)			
Engagement RPM ± 100	4000					
Maximum RPM ± 100	8100					

⇦ **► Driven Pulley**

CLUTCHING		ALTITUDE					
		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)		41°-45°					

=> SUMMIT EVEREST 800 R Power TEK 154" & 163" / SUMMIT X 800 R Power TEK 146", 154" & 163" / SUMMIT 50th ANNIVERSARY 800 R Power TEK 154" / SUMMIT HILLCLIMB 800 R Power TEK

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇨ Blue/Violet (414 817 800) ⇦		Green/Violet (414 762 800)			
Ramp	⇨ (417 222 545) (413) ⇦		(417 223 098) (441)			
Calibration Screw Position	3	⇨ 4 ⇦	3	4		5
Pin	⇨ (417 222 594) (Solid-long) ⇦		1 x (417 222 595) (Hollow-Long Threaded / 1 x (206 261 299) set screw		(417 222 477) (Hollow Threaded)	
Engagement RPM ± 100	3800					
Maximum RPM ± 100 see note 1 below	8200					

⇦

note 1: **Peak engine performance is at 8200 ± 100 RPM.**

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		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)		43°-47°					

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

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		480						2
Jet needle		9EG104-58						2
Needle position		N/A						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Mixture screw		1.5						2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
Idle RPM	± 200	1900						—
Idle throttle valve position (mm)		1.7	2.0		2.2		2.4	—

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	520 N						PTO / MAG
-30°C / -20°F	500						PTO / MAG
-20°C / -4°F	480						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 FAN 550 F (CAN. / U.S.)

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	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)	1 x (417 120 400)	3 x (417 114 400)	2 x (417 114 400)
Capsule	(417 114 500)					
Engagement RPM ± 100	3500				3600	
Maximum RPM ± 100	7000					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44°-40° (417 126 830)					

⚠ **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**

INFOS	ALTITUDE					
	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		

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
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)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-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					190	175	PTO / MAG
-10°C / 14°F	250	240	230	215	185	170	PTO / MAG
0°C / 32°F				210	180	165	PTO / MAG
10°C / 50°F	240	230	220	205	175	160	PTO / MAG
20°C / 70°F				200	170	155	PTO / MAG

SUMMIT FAN 550 F (EUROPE)

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	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)	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)	1 x (417 120 400)	4 x (417 114 400)	3 x (417 114 400)
Capsule	(417 114 500)					
Engagement RPM ± 100	3500	3600	3700	3800	3900	
Maximum RPM ± 100	7000					

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring		Brown (417 127 061)					
Spring tension	Kg ± 0.7 lb ± 1.5	0.0					
Cam angle (degrees)		44°-40° (417 126 830)					

⚠ **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**

INFOS	ALTITUDE					
	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		

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
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)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-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					190	175	PTO / MAG
-10°C / 14°F	250	240	230	215	185	170	PTO / MAG
0°C / 32°F				210	180	165	PTO / MAG
10°C / 50°F	240	230	220	205	175	160	PTO / MAG
20°C / 70°F				200	170	155	PTO / MAG

=> SUMMIT EVEREST 500 SS (600) (CAN. / U.S. / EUROPE)

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	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 (414 916 300) ⇦		Green/Pink (414 756 900)			
Ramp	(417 222 552) (417)					
Calibration Screw Position	3	4	2	3	4	5
Pin	⇨ (417 004 308) Solid Short ⇦		1 x (417 222 477) (Hollow Threaded) 1 x (206 262 099) set screw		(417 222 477) (Hollow Threaded)	
Engagement RPM ± 100	3800		4100			
Maximum RPM ± 100	8000					

⇦ ► **Driven Pulley**

CLUTCHING		ALTITUDE					
		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)		43°-47°					

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

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion (Refer to appropriate Specification Booklet for part numbers)**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		420	370	350	320	300	270	2
Jet needle		9CEY01-58						2
Needle position		3				4		—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Pilot screw		1.5			2.0			2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
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)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	440	390	370	340	320	290	PTO / MAG
-30°C / -20°F	430	380	360	330	310	280	PTO / MAG
-20°C / -4°F	420	370	350	320	300	270	PTO / MAG
-10°C / 14°F	410	360	340	310	290	260	PTO / MAG
0°C / 32°F	400	350	330	300	280	250	PTO / MAG
10°C / 50°F	390	340	320	290	270	240	PTO / MAG
20°C / 70°F	380	330	310	290	260	230	PTO / MAG

=> SUMMIT X 800 R Power TEK 154" (EUROPE)

► **Drive Pulley**

CLUTCHING	ALTITUDE					
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Spring	⇨ Violet/Blue (415 034 900) ⇦		Green/Violet (414 762 800)			
Ramp	⇨ (417 222 545) (413) ⇦		(417 223 098) (441)			
Calibration Screw Position	3	⇨ 4 ⇦	3	4		5
Pin	⇨ (417 222 594) (Solid-long) ⇦		1 x (417 222 595) (Hollow-Long Threaded / 1 x (206 261 299) set screw		(417 222 477) (Hollow Threaded)	
Engagement RPM ± 100	3800					
Maximum RPM ± 100 see note 1 below	8200					

⇦

note 1: **Peak engine performance is at 8200 ± 100 RPM.**

► **Driven Pulley**

CLUTCHING		ALTITUDE					
		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°-42° (417 126 973)		43°-47° (417 127 133)			

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

SPECIFICATIONS CONTINUE ON NEXT PAGE FOR THIS (THESE) MODEL(S)

► **Carburetion**

CALIBRATION		ALTITUDE						QTY
		Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
Main jet		480						2
Jet needle		9EG104 58						2
Needle position		N/A						—
Slide cut-away		2.0						2
Pilot jet		17.5						2
Mixture screw		1.5						2
Valve seat		1.5						2
Needle jet		P-0M						2
Float level	mm	N/A						—
Idle RPM	± 200	1900						—
Idle throttle valve position (mm)		1.7	2.0		2.2		2.4	—

► **Main Jet Chart (Refer to last page table for part numbers)**

TEMPERATURE	ALTITUDE						QTY
	Sea level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	
-40°C / -40°F	520 N						PTO / MAG
-30°C / -20°F	500						PTO / MAG
-20°C / -4°F	480						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

MAIN JETS CHART

TYPE	BRP P/N	TYPE	BRP P/N	TYPE	BRP P/N
85	404 133 000	175	404 119 200	300	404 101 200
95	404 132 800	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	480	404 106 800
170	404 123 800	290	404 101 100	500	404 108 200
				520N	404 161 984

PART DESCRIPTION	PART NUMBER	WEIGHT (G)	KIT QTY
Pin (32 mm)	417 004 308	16.75	3
Pin (32 mm)	417 004 309	9.9	3
Pin (32 mm)	417 222 477	10.88	3
Pin (35.75 mm)	417 222 594	18.8	3
Pin (35.75 mm)	417 222 595	12.4	3
Set screw 6 mm	206 260 699	0.73	9
Set screw 12 mm	206 261 299	1.68	3
Set screw 16 mm	206 261 699	2.35	3
Set screw 20 mm	206 262 099	3.02	3
Set screw 25 mm	206 262 599	3.81	3