



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

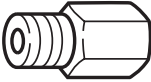
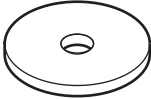
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01C2CQ	2  A01C2DQ	3  A00A22Q
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1.	404 1304 00	Main jet	135	(2)
	404 1249 00	Main jet	130	(2)
	404 1248 00	Main jet	125	(2)
	404 1240 00	Main jet	115	(2)
	404 1241 00	Main jet	110	(2)
2.	404 1169 00	Needle jet	O-8 (159)	(2)
3.	417 1144 00	Weight		(15)

1997-FORMULA S

HIGH ALTITUDE KIT (P/N 861 7567 00)

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	Qty
Spring	Red/Blue on Violet 417 1184 00	←	←	←	←	←	1
Block	417 1181 00	←	←	←	←	←	3
Weight	1 of 417 1204 00	←	5 of 417 1144 00	4 of ←	3 of ←	2 of ←	x 3
Capsule	417 1145 00	←	←	←	←	←	x 3
Engagement RPM ± 100	3100	←	←	←	←	←	—
Maximum RPM ± 100	6900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Orange	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	4.8 10.6	5.5 12.1	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	21	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-FORMULA S



CAUTION

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CARBURETION

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		140	135	130	125	115	110	2
Jet needle		6DP9	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	←	←	←	2
Air screw		1.25 1.25	←	←	.5 1.0	←	←	PTO MAG
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	O-8 (159)	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.3	←	←	1.6	←	←	—

MAIN JET CHART

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		150	145	140	135	125	120	2
- 30°C - 20°F		145	140	135	130	120	115	2
- 20°C - 4°F		140	135	130	125	115	110	2
- 10°C 14°F		135	130	125	120	110	105	2
0°C 32°F		130	125	120	115	105	100	2
10°C 50°F		125	120	115	110	100	95	2
20°C 70°F		120	115	110	105	95	90	2

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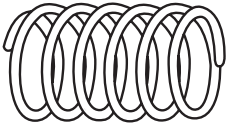
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CARBURETOR JETTING

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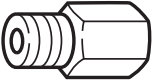
PARTS TO BE INSTALLED

1



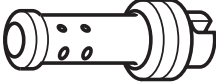
A01D10Q

2



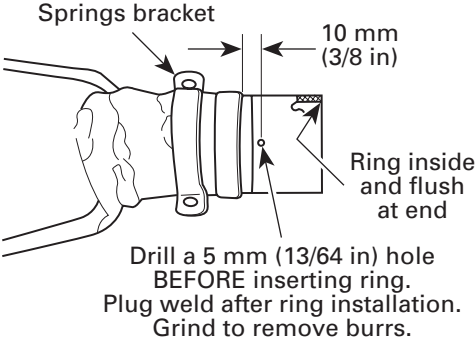
A01C2CQ

3



A01C2EQ

4



A00A3KQ

1.	414 6894 00	Spring	Blue/Blue	(1)
2.	404 1182 00	Main jet	160	(1)
	404 1209 00	Main jet	150	(1)
	404 1266 00	Main jet	140	(1)
	404 1249 00	Main jet	130	(1)
	404 1239 00	Main jet	120	(1)
3.	404 1094 00	Pilot jet	45	(2)
4.	514 0434 00	Restriction Ring		(1)

1997-FORMULA SL

HIGH ALTITUDE KIT (P/N 861 7566 00)

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	Qty
Spring	Blue/Yellow 414 6895 00	←	Blue/Blue 414 6894 00	←	←	←	1
Ramp	417 0052 84	←	←	←	←	←	3
Calibration screw position	3	4	2	3	4	5	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM $\pm$ 100	3600	←	←	←	←	←	—
Maximum RPM $\pm$ 100	7100	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Orange	←	←	←	←	←
Spring tension	Kg $\pm$ 0.7 lb $\pm$ 1.5	4.8 10.6	5.5 12.1	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	22	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-FORMULA SL



CAUTION

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

CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		180 170	170 160	160 150	150 140	140 130	130 120	PTO MAG
Jet needle		6DH2	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	45	←	←	2
Air screw		1.825	←	←	1.5	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	←	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.5	←	1.6	1.7	1.8	1.85	—
Exhaust restricting ring		N/A	←	←	514 0434 00	←	←	1

MAIN JET CHART

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
– 40°C – 40°F		200 190	190 180	175 165	165 155	155 145	140 130	PTO MAG
– 30°C – 20°F		190 180	180 170	165 155	155 145	145 135	135 125	PTO MAG
– 20°C – 4°F		180 170	170 160	160 150	150 140	140 130	130 120	PTO MAG
– 10°C 14°F		170 160	160 150	155 145	145 135	135 125	125 115	PTO MAG
0°C 32°F		165 155	155 145	150 140	140 130	130 120	120 110	PTO MAG
10°C 50°F		160 150	150 140	140 130	130 120	125 115	115 105	PTO MAG
20°C 70°F		155 145	145 135	135 125	125 115	120 110	110 100	PTO MAG

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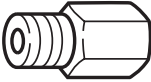
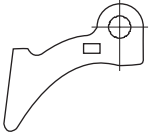
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PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01D18Q
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1.	404 1002 00	Main jet	240	(1)
	404 1189 00	Main jet	230	(1)
	404 1191 00	Main jet	210	(1)
	404 1190 00	Main jet	190	(1)
	404 1238 00	Main jet	170	(1)
	404 1209 00	Main jet	150	(1)
2.	404 1335 00	Needle jet	AA-0 (224)	(2)
3.	417 0052 89	Ramp	289	(3)

1997-FORMULA Z

HIGH ALTITUDE KIT (P/N 861 7563 00)

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	Qty
Spring	Violet/Blue 415 0349 00	←	←	←	←	←	1
Ramp	417 0052 86	←	←	417 0052 89	←	←	3
Calibration screw position	3	4	5	4	5	6	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	4100	←	←	4200	←	←	—
Maximum RPM ± 100	7900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	50	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	25	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

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1997-FORMULA Z



CAUTION

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CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		280 260	260 240	230 210	210 190	190 170	170 150	PTO MAG
Jet needle		7ECY1	←	←	←	←	←	2
Needle position		3	←	←	←	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		60	←	←	←	←	←	2
Air screw		2.0	←	←	←	1.75	1.5	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		AA-2 (224)	←	←	AA-0 (224)	←	←	2
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	2.0	2.10	2.20	2.60	2.70	2.80	—

MAIN JET CHART

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Temperature								
– 40°C – 40°F		310	280	250	230	210	190	PTO
		290	260	230	210	190	170	MAG
– 30°C – 20°F		290	270	240	220	200	180	PTO
		270	250	220	200	180	160	MAG
– 20°C – 4°F		280	260	230	210	190	170	PTO
		260	240	210	190	170	150	MAG
– 10°C 14°F		270	250	220	200	180	160	PTO
		250	230	200	180	160	145	MAG
0°C 32°F		250	240	210	190	170	150	PTO
		230	220	190	170	155	135	MAG
10°C 50°F		240	230	200	180	160	145	PTO
		220	210	170	160	145	130	MAG
20°C 70°F		230	220	190	170	155	135	PTO
		200	190	160	150	135	120	MAG

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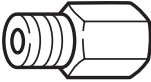
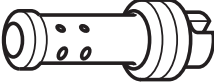
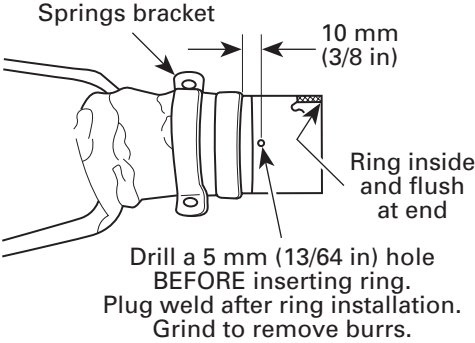
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PARTS TO BE INSTALLED

1  A01C2CQ	2  A01C2EQ	3  A00A3JQ
4  Drill a 5 mm (13/64 in) hole BEFORE inserting ring. Plug weld after ring installation. Grind to remove burrs. A00A3KQ		

1.	404 1012 00	Main jet	300	(3)
	404 1005 00	Main jet	280	(3)
	404 1003 00	Main jet	250	(3)
	404 1112 00	Main jet	220	(3)
	404 1123 00	Main jet	200	(3)
2.	404 1210 00	Pilot jet	60	(3)
3.	417 0043 03	Pin		(3)
4.	514 0968 00	Restriction Ring		(3)

1997-FORMULA III AND FORMULA III LT

HIGH ALTITUDE KIT (P/N 861 7562 00)

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	Qty
Spring	Pink/White 414 9914 00	←	←	←	←	←	1
Ramp	417 0052 81	←	←	←	←	←	3
Calibration screw position	4	5	6	2	3	4	—
Pin	417 0043 04	←	417 0043 03	←	←	←	3
Engagement RPM ± 100	4500	←	←	←	←	←	—
Maximum RPM ± 100	8400	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige 414 5589 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	50 504 0961 00	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	Formula III: 25 Formula III LT: 23	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	Formula III: 74 Formula III LT: 72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

Additional Information: At 2400 m, on Formula III LT, Restriction Ring (P/N 0968 00) Qty 3, must be installed.

1997-FORMULA III AND FORMULA III LT



CAUTION

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

CARBURETION

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	220	200	3
Jet needle		6DEY4	←	←	←	←	←	3
Needle position		3	←	2	←	←	1	—
Slide cutaway		2.5	←	←	←	←	←	—
Pilot jet		50	←	←	60	←	←	3
Air screw		1.50	←	1.25	1.00	0.75	←	3
Valve seat		1.5	←	←	←	←	←	3
Needle jet		P-O (286)	←	←	←	←	←	3
Starter jet		1.60	←	←	←	←	←	—
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1900	←	←	←	←	←	—
Idle throttle valve position	mm	1.20	1.40	1.60	1.80	2.00	←	—

MAIN JET CHART

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	240	210	3
- 30°C - 20°F	340	310	290	260	230	205	3
- 20°C - 4°F	330	300	280	250	220	200	3
- 10°C 14°F	320	290	270	240	220	190	3
0°C 32°F	310	290	260	240	210	190	3
10°C 50°F	300	280	250	230	210	180	3
20°C 70°F	290	270	240	220	200	180	3

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MODIFICATIONS AND ADJUSTMENTS

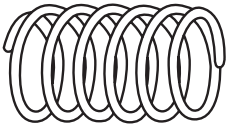
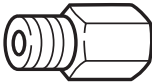
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01C2DQ
--	--	--

1.	414 7628 00	Spring	Green/Violet	(1)
2.	404 1011 00	Main jet	290	(1)
	404 1004 00	Main jet	270	(1)
	404 1003 00	Main jet	250	(1)
	404 1002 00	Main jet	240	(1)
	404 1189 00	Main jet	230	(1)
	404 1112 00	Main jet	220	(1)
	404 1191 00	Main jet	210	(1)
	404 1123 00	Main jet	200	(1)
	404 1190 00	Main jet	190	(1)
3.	404 1590 00	Needle jet	P-1 (480)	(2)

1997-FORMULA 500/500 DELUXE

HIGH ALTITUDE KIT (P/N 861 7565 00)

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	Qty
Spring		Violet/Green 415 0154 00	←	Green/Violet 414 7628 00	←	←	←	1
Ramp		417 0052 81	←	←	←	←	←	3
Calibration screw position		3	4	3	4	5	6	—
Pin		417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100		4200	←	4600	←	←	←	—
Maximum RPM ± 100		7750	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring		Beige	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←	←
Cam angle	° (degrees)	50	←	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket		25	←	←	←	←	←
Bottom sprocket		44	←	←	←	←	←
Chain, quantity of links		74	←	←	←	←	←
Drive sprocket, quantity of teeth		9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-FORMULA 500/500 DELUXE



CAUTION

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

CARBURETION

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		310 290	290 270	270 250	240 230	220 210	200 190	PTO MAG
Jet needle		6FEY1	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		50	←	←	←	←	←	2
Air screw		1.50	←	1.25	←	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-3 (480)	←	←	←	P-1 (480)	←	2
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	1.8	1.85	1.9	2.0	2.1	2.15	—

MAIN JET CHART

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		330 310	310 290	290 270	260 250	240 230	220 210	PTO MAG
- 30°C - 20°F		320 300	300 280	280 260	250 240	230 220	210 200	PTO MAG
- 20°C - 4°F		310 290	290 270	270 250	240 230	220 210	200 190	PTO MAG
- 10°C 14°F		300 280	280 260	260 240	230 220	210 200	190 180	PTO MAG
0°C 32°F		290 270	270 250	250 230	220 210	200 190	180 170	PTO MAG
10°C 50°F		280 260	260 240	240 220	210 200	190 180	170 160	PTO MAG
20°C 70°F		270 250	250 230	230 210	200 190	180 170	160 150	PTO MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

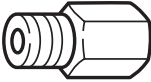
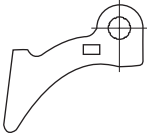
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01C2CQ	2  A01C2DQ	3  A01D18Q
--	--	--

1.	404 1003 00	Main jet	250	(1)
	404 1002 00	Main jet	240	(1)
	404 1189 00	Main jet	230	(1)
	404 1112 00	Main jet	220	(1)
	404 1191 00	Main jet	210	(1)
	404 1123 00	Main jet	200	(1)
	404 1190 00	Main jet	190	(1)
	404 1122 00	Main jet	180	(1)
	404 1238 00	Main jet	170	(1)
	404 1182 00	Main jet	160	(1)
2.	404 1491 00	Needle jet	Q-4 (480)	(2)
3.	417 0052 89	Ramp	289	(3)

1997-FORMULA 583

HIGH ALTITUDE KIT (P/N 861 7564 00)

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	Qty
Spring	Violet/Blue 415 0349 00	←	←	←	←	←	1
Ramp	417 0052 86	←	←	417 0052 89	←	←	3
Calibration screw position	3	4	5	4	5	6	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	4100	←	←	4200	←	←	—
Maximum RPM ± 100	7900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	50	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	25	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-FORMULA 583



CAUTION

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

CARBURETION

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		280 270	250 240	230 220	210 200	190 180	170 160	PTO MAG
Jet needle		6BGY15	←	←	←	←	←	2
Needle position		4	←	←	←	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		50	←	←	←	←	←	2
Air screw		2.25	←	←	2.0	1.75	1.5	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		Q-6 (480)	←	←	Q-4 (480)	←	←	2
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	2.0	2.10	2.20	2.60	2.70	2.80	—

MAIN JET CHART

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		310	280	250	230	210	170	PTO
		300	270	240	220	200	180	MAG
– 30°C – 20°F		300	270	240	220	200	180	PTO
		290	260	230	210	190	170	MAG
– 20°C – 4°F		280	250	230	210	190	170	PTO
		270	240	220	200	180	160	MAG
– 10°C 14°F		270	240	220	200	180	160	PTO
		260	230	210	190	170	150	MAG
0°C 32°F		260	230	210	190	170	155	PTO
		250	220	200	180	160	145	MAG
10°C 50°F		250	220	200	180	160	145	PTO
		240	210	190	170	155	135	MAG
20°C 70°F		240	210	190	170	150	135	PTO
		230	200	185	160	145	130	MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

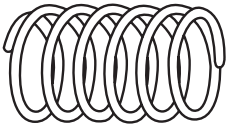
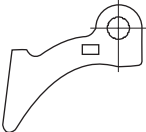
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01D18Q	3  A00A3JQ
---	--	--

- | | | | |
|----|-------------|--------|-----|
| 1. | 414 7628 00 | Spring | (1) |
| 2. | 417 0052 85 | Ramp | (3) |
| 3. | 417 0043 03 | Pin | (3) |

1997-GRAND TOURING SE

HIGH ALTITUDE KIT (P/N 861 7572 00)

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	Qty
Spring	Blue/Pink 414 9163 00	←	Green/Violet 414 7628 00	←	←	←	1
Ramp	417 0052 86	←	417 0052 85	←	←	←	3
Calibration screw position	3	4	2	3	4	5	—
Pin	417 0043 04	←	417 0043 03	←	←	←	3
Engagement RPM ± 100	3600	←	4800	←	←	←	—
Maximum RPM ± 100	8500	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige 414 5589 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	47	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	26	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-GRAND TOURING SE



CAUTION

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

CARBURETION

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		350	←	←	←	←	←	3
Jet needle		6DEY2	←	←	←	←	←	3
Needle position		4	←	←	←	←	←	—
Slide cutaway		2.5	←	←	←	←	←	3
Pilot jet		50	←	←	←	←	←	3
Air screw		2.25	←	←	←	←	←	3
Valve seat		1.5	←	←	←	←	←	3
Needle jet		P-7 (480)	←	←	←	←	←	3
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	1.40	1.50	1.70	1.80	1.90	2.00	—

MAIN JET CHART

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	←	←	←	←	←	3
- 30°C - 20°F		350	←	←	←	←	←	3
- 20°C - 4°F		350	←	←	←	←	←	3
- 10°C 14°F		350	←	←	←	←	←	3
0°C 32°F		350	←	←	←	←	←	3
10°C 50°F		350	←	←	←	←	←	3
20°C 70°F		350	←	←	←	←	←	3

NOTE: Arrows in the charts indicate that the preceding information is repeated.

Additional Information: Unscrew Rave Valve cover approximately three (3) turns.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

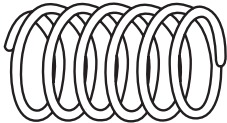
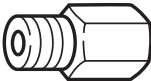
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ
3  A01C2DQ	4  A00A3JQ

1.	414 7682 00	Spring		(1)
2.	404 1011 00	Main Jet	290	(1)
	404 1004 00	Main Jet	270	(1)
	404 1006 00	Main Jet	260	(1)
	404 1003 00	Main Jet	250	(1)
	404 1002 00	Main Jet	240	(1)
	404 1189 00	Main Jet	230	(1)
	404 1112 00	Main Jet	220	(1)
	404 1191 00	Main Jet	210	(1)
3.	404 1312 00	Needle Jet	P-2 (480)	(2)
4.	417 0043 03	Pin		(3)

1997-GRAND TOURING 500

HIGH ALTITUDE KIT (P/N 861 7574 00)

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	Qty
Spring	Violet/Violet 414 8179 00	←	Green/Blue 414 7682 00	←	←	←	1
Ramp	414 0052 28	←	←	←	←	←	3
Calibration screw position	3	4	2	3	4	5	—
Pin	417 0043 04	←	417 0043 03	←	←	←	3
Engagement RPM ± 100	3500	←	4400	←	←	←	—
Maximum RPM ± 100	7800	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige 414 5589 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	23	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-GRAND TOURING 500



CAUTION

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

CARBURETION

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		330 310	310 290	290 270	260 250	240 230	220 210	PTO MAG
Jet needle		6FEY1	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		50	←	←	←	←	←	2
Air screw		1.125	←	←	1.00	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-4 (480)	←	←	P-2 (480)	←	←	2
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	1.80	1.90	1.95	2.00	2.10	2.20	—

MAIN JET CHART

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	330	310	280	260	240	PTO
		330	310	290	270	250	230	MAG
– 30°C – 20°F		340	320	290	270	250	230	PTO
		320	300	280	260	240	220	MAG
– 20°C – 4°F		330	310	290	260	240	220	PTO
		310	290	270	250	230	210	MAG
– 10°C 14°F		320	300	280	250	230	210	PTO
		300	280	260	240	220	200	MAG
0°C 32°F		310	290	270	240	220	200	PTO
		290	270	250	230	210	190	MAG
10°C 50°F		300	280	260	230	210	190	PTO
		280	260	240	220	200	180	MAG
20°C 70°F		290	270	250	220	200	180	PTO
		270	250	230	210	190	170	MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

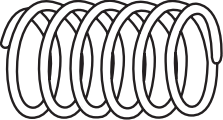
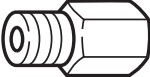
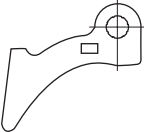
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ
3  A01C2DQ	4  A01D18Q

1.	414 9495 00	Spring		(1)
2.	404 1003 00	Main jet	250	(1)
	404 1002 00	Main jet	240	(1)
	404 1189 00	Main jet	230	(1)
	404 1112 00	Main jet	220	(1)
	404 1191 00	Main jet	210	(1)
	404 1123 00	Main jet	200	(1)
	404 1190 00	Main jet	190	(1)
	404 1122 00	Main jet	180	(1)
	404 1238 00	Main jet	170	(1)
	404 1182 00	Main jet	160	(1)
3.	404 1491 00	Needle jet	Q-4 (480)	(2)
4.	417 0052 89	Ramp	289	(3)

1997-GRAND TOURING 583

HIGH ALTITUDE KIT (P/N 861 7573 00)

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	Qty
Spring	Blue/Blue 414 6894 00	←	←	Violet/Pink 414 9495 00	←	←	1
Ramp	417 0052 85	←	←	417 0052 89	←	←	3
Calibration screw position	3	4	5	4	5	6	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	3800	←	←	4200	←	←	—
Maximum RPM ± 100	7900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige 414 5589 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	6.1 13.4	←	←	←	←
Cam angle	° (degrees)	47	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	25	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-GRAND TOURING 583



CAUTION

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

CARBURETION

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		280 270	250 240	230 220	210 200	190 180	170 160	PTO MAG
Jet needle		6BGY15	←	←	←	←	←	2
Needle position		4	←	←	←	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		50	←	←	←	←	←	2
Air screw		2.25	←	←	2.0	1.75	1.50	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		Q-6 (480)	←	←	Q-4 (480)	←	←	2
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	2.00	2.10	2.20	2.60	2.70	2.80	—

MAIN JET CHART

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		310	280	250	230	210	190	PTO
		300	270	240	220	200	180	MAG
- 30°C - 20°F		300	270	240	220	200	180	PTO
		290	260	230	210	190	170	MAG
- 20°C - 4°F		280	250	230	210	190	170	PTO
		270	240	220	200	180	160	MAG
- 10°C 14°F		270	240	220	200	180	160	PTO
		260	230	210	190	170	150	MAG
0°C 32°F		260	230	210	190	170	155	PTO
		250	220	200	180	160	145	MAG
10°C 50°F		250	220	200	180	160	145	PTO
		240	210	190	170	155	135	MAG
20°C 70°F		240	210	190	170	150	135	PTO
		230	200	185	160	145	130	MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

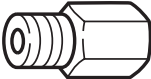
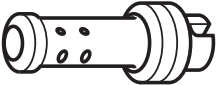
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01C2CQ	2  A01C2EQ	3  A00A3JQ
--	--	--

1.	404 1060 00	Main jet	350	(3)
	404 1013 00	Main jet	320	(3)
	404 1011 00	Main jet	290	(3)
	404 1006 00	Main jet	260	(3)
	404 1189 00	Main jet	230	(3)
2.	404 1210 00	Pilot jet	60	(3)
3.	417 0043 03	Pin		(3)

1997-MACH Z

HIGH ALTITUDE KIT (P/N 861 7559 00)

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	Qty
Spring	Green/Blue 414 7682 00	←	←	←	←	←	1
Ramp	417 0052 86	←	←	←	←	←	3
Calibration screw position	3	4	3	4	5	6	—
Pin	417 0043 04	←	417 0043 03	←	←	←	3
Engagement RPM ± 100	4100	←	4500	←	←	←	—
Maximum RPM ± 100	8300	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	47-50	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	26	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-MACH Z



CAUTION

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

CARBURETION

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	350	320	290	260	230	3
Jet needle		8 AGY1-41	←	←	←	←	←	3
Needle position		3	←	2	←	←	1	—
Slide cutaway		2.0	←	←	←	←	←	3
Pilot jet		50	←	←	60	←	←	3
Air screw		4.00	3.50	3.00	←	2.50	2.00	—
Valve seat		1.5	←	←	←	←	←	3
Needle jet		O-4 (327)	←	←	←	←	←	3
Float level	mm	20	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	1.30	1.40	1.60	1.80	2.00	2.20	—

MAIN JET CHART

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		400	370	340	300	270	240	3
- 30°C - 20°F		390	360	330	300	270	240	3
- 20°C - 4°F		380	350	320	290	260	230	3
- 10°C 14°F		370	340	310	280	250	220	3
0°C 32°F		360	330	300	270	250	220	3
10°C 50°F		350	320	290	260	240	210	3
20°C 70°F		340	310	290	260	230	200	3

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

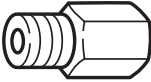
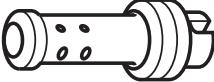
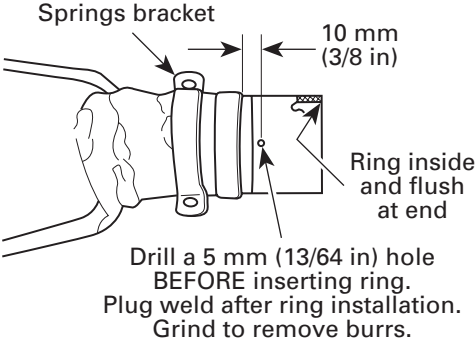
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01C2CQ	2  A01C2EQ	3  A00A3JQ
4  Drill a 5 mm (13/64 in) hole BEFORE inserting ring. Plug weld after ring installation. Grind to remove burrs. A00A3KQ		

1.	404 1060 00	Main jet	350	(3)
	404 1013 00	Main jet	320	(3)
	404 1011 00	Main jet	290	(3)
	404 1006 00	Main jet	260	(3)
	404 1189 00	Main jet	230	(3)
2.	404 1210 00	Pilot jet	60	(3)
3.	417 0043 03	Pin		(3)
4.	514 0967 00	Restriction ring		(3)

1997-MACH Z LT

HIGH ALTITUDE KIT (P/N 861 7560 00)

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	Qty
Spring	Green/Blue 414 7682 00	←	←	←	←	←	1
Ramp	417 0052 86	←	←	←	←	←	3
Calibration screw position	3	4	3	4	5	6	—
Pin	417 0043 04	←	417 0043 03	←	←	←	3
Engagement RPM ± 100	4100	←	4500	←	←	←	—
Maximum RPM ± 100	8300	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	47-50	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	26	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-MACH Z LT



CAUTION

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

CARBURETION

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	350	320	290	260	230	3
Jet needle		8 AGY1-41	←	←	←	←	←	3
Needle position		3	←	2	←	←	1	—
Slide cutaway		2.0	←	←	←	←	←	3
Pilot jet		50	←	←	60	←	←	3
Air screw		4.00	3.50	3.00	←	2.50	2.00	3
Valve seat		1.5	←	←	←	←	←	3
Needle jet		O-4 (327)	←	←	←	←	←	3
Float level	mm	20	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	1.30	1.40	1.60	1.80	2.00	2.20	—

MAIN JET CHART

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		400	370	340	300	270	240	3
- 30°C - 20°F		390	360	330	300	270	240	3
- 20°C - 4°F		380	350	320	290	260	230	3
- 10°C 14°F		370	340	310	280	250	220	3
0°C 32°F		360	330	300	270	250	220	3
10°C 50°F		350	320	290	260	240	210	3
20°C 70°F		340	310	290	260	230	200	3

NOTE: Arrows in the charts indicate that the preceding information is repeated.

Additional Information

At 2400 m, restriction ring (P/N 514 0967 00), Qty 3 must be installed.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

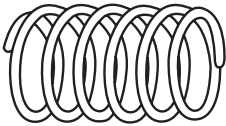
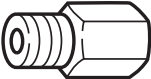
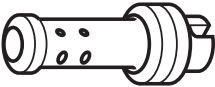
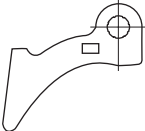
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01C2DQ
4  A01C2EQ	5  A01D18Q	6  A00A3JQ

1.	414 7628 00	Spring	(1)
2.	404 1078 00	Main jet	310 (3)
	404 1004 00	Main jet	270 (3)
	404 1189 00	Main jet	230 (3)
	404 1190 00	Main jet	190 (3)
	404 1209 00	Main jet	150 (3)
3.	404 1573 00	Needle jet	P-5 480 (3)
4.	404 1581 00	Pilot jet	65 (3)
5.	417 0052 85	Ramp	(3)
6.	470 0043 03	Pin	(3)

1997-MACH 1

HIGH ALTITUDE KIT (P/N 861 7561 00)

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	Qty
Spring	Pink/White 414 9914 00	←	Green/Violet 414 7628 00	←	←	←	1
Ramp	417 0052 86	←	417 0052 85	←	←	←	3
Calibration screw position	4	5	2	3	4	5	—
Pin	417 0043 04	←	417 0043 03	←	←	←	3
Engagement RPM ± 100	4500	←	4800	←	←	←	—
Maximum RPM ± 100	8500	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige 414 5589 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	←	←	←	←	←
Cam angle	° (degrees)	←	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	26	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

Additional Information: Unscrew Rave Valve covers approximately three (3) turns.

▼

CAUTION

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

CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		350	310	270	230	190	150	3
Jet needle		6DEY2	←	←	←	←	←	3
Needle position		4	←	←	3	←	←	—
Slide cutaway		2.5	←	←	←	←	←	3
Pilot jet		50	←	←	65	←	←	3
Air screw		2.25	←	←	←	←	←	—
Valve seat		1.5	←	←	←	←	←	3
Needle jet		P-7 (480)	←	←	P-5 (480)	←	←	3
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	1.40	1.50	1.70	1.80	1.90	2.00	—

MAIN JET CHART

Altitude	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Temperature							
- 40°C - 40°F	370	330	290	250	210	170	3
- 30°C - 20°F	360	320	280	240	200	160	3
- 20°C - 4°F	350	310	270	230	190	150	3
- 10°C 14°F	340	300	260	220	180	140	3
0°C 32°F	330	290	250	210	170	130	3
10°C 50°F	320	280	240	200	160	120	3
20°C 70°F	310	270	230	190	150	110	3

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

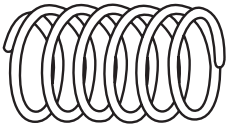
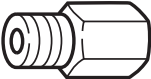
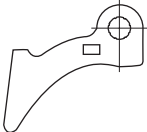
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01D18Q
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1.	414 6894 00	Spring	Blue/Blue	(1)
2.	404 1195 00	Main jet	185	(1)
	404 1192 00	Main jet	175	(1)
	404 1238 00	Main jet	170	(1)
	404 1182 00	Main jet	160	(1)
	404 1209 00	Main jet	150	(1)
	404 1266 00	Main jet	140	(1)
3.	417 0052 84	Ramp	284	(3)

1997-MX Z 440

HIGH ALTITUDE KIT (P/N 861 7571 00)

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	Qty
Spring	Blue/Green 414 8177 00	←	Blue/Blue 414 6894 00	←	←	←	1
Ramp	417 0052 89	←	417 0052 84	←	←	←	3
Calibration screw position	3	4	3	4	5	6	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	3800	←	←	←	←	←	—
Maximum RPM ± 100	7000	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Orange	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	6.1 13.4	6.8 15.0	←	←	←
Cam angle	° (degrees)	47	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	23	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-MX Z 440



CAUTION

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

CARBURETION

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		205 195	195 185	185 175	170 160	160 150	150 140	PTO MAG
Jet needle		6DH2	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		35	←	←	←	←	←	2
Air screw		1.5	←	←	1.0	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	←	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.5	←	←	1.7	←	←	—

MAIN JET CHART

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	185	175	165	PTO
		210	200	190	175	165	155	MAG
- 30°C - 20°F		210	200	190	175	165	155	PTO
		200	190	180	165	155	145	MAG
- 20°C - 4°F		205	195	185	170	160	150	PTO
		195	185	175	160	150	140	MAG
- 10°C 14°F		200	190	180	165	155	145	PTO
		190	180	170	155	145	135	MAG
0°C 32°F		195	185	175	160	150	140	PTO
		185	175	165	150	140	130	MAG
10°C 50°F		185	175	165	150	140	135	PTO
		175	165	155	140	130	125	MAG
20°C 70°F		175	165	155	145	135	130	PTO
		165	155	145	135	125	120	MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

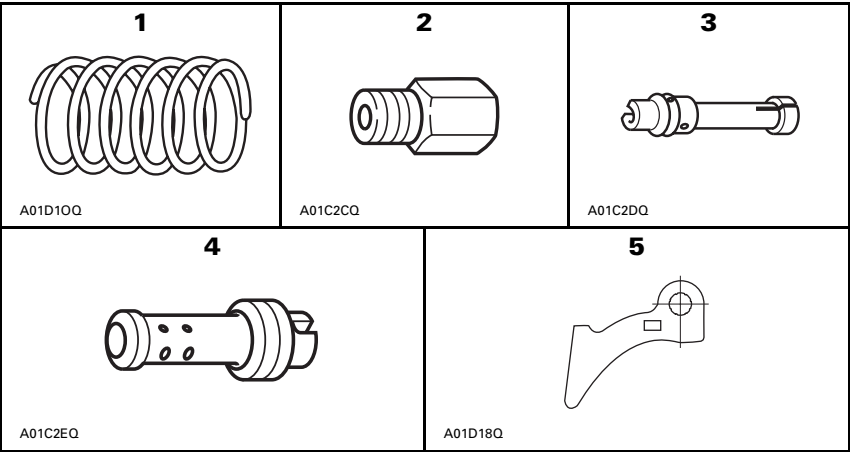
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED



1.	414 7569 00	Spring	Green/Pink	(1)
2.	404 1189 00	Main jet	230	(1)
	404 1112 00	Main jet	220	(1)
	404 1123 00	Main jet	200	(1)
	404 1190 00	Main jet	190	(1)
	404 1195 00	Main jet	185	(1)
	404 1192 00	Main jet	175	(1)
	404 1238 00	Main jet	170	(1)
	404 1287 00	Main jet	155	(1)
	404 1305 00	Main jet	145	(1)
3.	404 1106 00	Needle jet	P-6 (159)	(2)
	404 1586 00	Needle jet	P-5 (159)	(2)
4.	404 1095 00	Pilot jet	50	(2)
5.	417 0052 89	Ramp	289	(3)

1997-MX-Z 440 LC

HIGH ALTITUDE KIT (P/N 861 7570 00)

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	Qty
Spring	Pink/White 414 9914 00	←	Green/Pink 414 7569 00	←	←	←	1
Ramp	417 0052 83	←	417 0052 89	←	←	←	3
Calibration screw position	3	4	2	3	4	5	—
Pin	417 0053 03	←	←	←	←	←	3
Engagement RPM ± 100	4400	←	←	←	←	←	—
Maximum RPM ± 100	8000	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	5.5 12.1	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	23	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-MX-Z 440 LC



CAUTION

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

CARBURETION

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		240 210	230 200	220 190	200 170	185 155	175 145	PTO MAG
Jet needle		6FJ43	←	←	←	←	←	2
Needle position		2	←	←	←	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	50	←	←	2
Air screw		.5	←	←	.75	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-8 (159)	←	P-6 (159)	P-5 (159)	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1700	←	←	←	←	←	—
Idle throttle valve position	mm	1.8	1.85	1.9	2.0	2.1	2.2	—

MAIN JET CHART

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		260	250	240	220	200	195	PTO
		230	220	210	200	175	165	MAG
– 30°C – 20°F		250	240	230	210	195	185	PTO
		220	210	200	180	165	155	MAG
– 20°C – 4°F		240	230	220	200	185	175	PTO
		210	200	190	170	155	145	MAG
– 10°C 14°F		230	220	210	190	175	165	PTO
		200	190	180	160	145	125	MAG
0°C 32°F		220	210	200	180	165	155	PTO
		190	180	170	150	135	125	MAG
10°C 50°F		210	200	190	170	155	145	PTO
		180	170	160	140	125	115	MAG
20°C 70°F		170	190	180	160	145	135	PTO
		200	160	150	130	115	105	MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

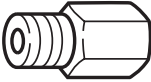
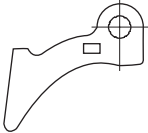
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01C2CQ	2  A01C2DQ	3  A01D18Q
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1.	404 1002 00	Main Jet	240	(1)
	404 1189 00	Main Jet	230	(1)
	404 1191 00	Main Jet	210	(1)
	404 1190 00	Main Jet	190	(1)
	404 1238 00	Main Jet	170	(1)
	404 1209 00	Main Jet	150	(1)
2.	404 1335 00	Needle jet	AA-0 (224)	(2)
3.	417 0052 89	Ramp	289	(3)

1997-MX-Z 583

HIGH ALTITUDE KIT (P/N 861 7569 00)

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	Qty
Spring	Green/Blue 414 7682 00	←	←	←	←	←	1
Ramp	417 0052 86	←	←	417 0052 89	←	←	3
Calibration screw position	3	4	5	4	5	6	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	4400	←	←	4500	←	←	3
Maximum RPM ± 100	7900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Beige 414 5589 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	50	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	25	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	74	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-MX-Z 583



CAUTION

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

CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		280 260	260 240	230 210	210 190	190 170	170 150	PTO MAG
Jet needle		7ECY1	←	←	←	←	←	2
Needle position		3	←	←	←	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		60	←	←	←	←	←	2
Air screw		2.0	←	←	←	1.75	1.5	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		AA-2 (224)	←	←	AA-0 (224)	←	←	2
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1800	←	←	←	←	←	—
Idle throttle valve position	mm	2.0	2.10	2.20	2.60	2.70	2.80	—

MAIN JET CHART

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Temperature								
– 40°C	– 40°F	310	280	250	230	210	190	PTO
		290	260	230	210	190	170	MAG
– 30°C	– 20°F	290	270	240	220	200	180	PTO
		270	250	220	200	180	160	MAG
– 20°C	– 4°F	280	260	230	210	190	170	PTO
		260	240	210	190	170	150	MAG
– 10°C	14°F	270	250	220	200	180	160	PTO
		250	230	200	180	160	145	MAG
0°C	32°F	250	240	210	190	170	150	PTO
		230	220	190	170	155	135	MAG
10°C	50°F	240	230	200	180	160	145	PTO
		220	210	170	160	145	130	MAG
20°C	70°F	230	220	190	170	155	135	PTO
		210	190	160	150	135	120	MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

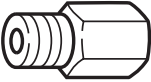
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01C2CQ	2  A00A3JQ
--	--

1.	404 1005 00	Main Jet	280	(1)
	404 1004 00	Main Jet	270	(1)
	404 1006 00	Main Jet	260	(1)
	404 1003 00	Main Jet	250	(1)
	404 1002 00	Main Jet	240	(1)
	404 1189 00	Main Jet	230	(1)
	404 1112 00	Main Jet	220	(1)
	404 1191 00	Main Jet	210	(1)
	404 1123 00	Main Jet	200	(1)
	404 1122 00	Main Jet	180	(1)
2.	417 0043 03	Pin		(3)

1997-MX-Z 670

HIGH ALTITUDE KIT (P/N 861 7568 00)

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	Qty
Spring		Violet/Yellow 415 0153 00	←	←	←	←	←	1
Ramp		417 0052 86	←	←	←	←	←	3
Calibration screw position		3	4	5	4	5	6	—
Pin		417 0043 04	←	←	417 0043 03	←	←	3
Engagement RPM ± 100		3800	←	←	4500	←	←	3
Maximum RPM ± 100		7700	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring		Beige 414 5589 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←	←
Cam angle	° (degrees)	50	←	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket		26	←	←	←	←	←
Bottom sprocket		44	←	←	←	←	←
Chain, quantity of links		74	←	←	←	←	←
Drive sprocket, quantity of teeth		9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-MX-Z 670



CAUTION

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

CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		300 270	280 250	260 230	240 210	220 200	200 180	PTO MAG
Jet needle		7EDY1	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		60	←	←	←	←	←	2
Air screw		2.25	←	2.0	1.75	1.5	1.125	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		AA-2 (224)	←	←	←	←	←	2
Float level	mm	18.1	←	←	←	←	←	—
Idle	RPM ± 200	1700	←	←	←	←	←	—
Idle throttle valve position	mm	2.10	2.15	2.25	2.40	2.55	2.65	—

MAIN JET CHART

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

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

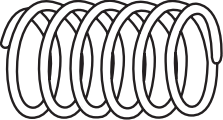
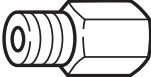
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ
---	---

1.	414 6915 00	Spring	Red/Blue	(1)
2.	404 1112 00	Main jet	220	(1)
	404 1123 00	Main jet	200	(1)
	404 1122 00	Main jet	180	(1)
	404 1238 00	Main jet	170	(1)
	404 1182 00	Main jet	160	(1)

1997-SKANDIC SWT

HIGH ALTITUDE KIT (P/N 861 7581 00)

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	Qty
Spring	Red/Yellow 414 8175 00	←	Red/Blue 414 6915 00	←	←	←	1
Ramp	417 0051 46	←	←	←	←	←	3
Calibration screw position	4	5	2	3	4	5	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	2900	←	←	2800	←	←	—
Maximum RPM ± 100	6500	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Blue	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	6.0 13.2	←	←	←	←
Cam angle	° (degrees)	40	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	N/A	←	←	←	←	←
Bottom sprocket	N/A	←	←	←	←	←
Chain, quantity of links	N/A	←	←	←	←	←
Drive sprocket, quantity of teeth	8	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-SKANDIC SWT



CAUTION

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

CARBURETION

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		230	220	200	180	170	160	1
Jet needle		6DH8	←	←	←	←	←	1
Needle position		4	←	←	3	←	←	—
Slide cutaway		3.0	←	←	←	←	←	1
Pilot jet		25	←	←	←	←	←	1
Air screw		1.5	←	←	.75	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		O-0 (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	—

MAIN JET CHART

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	250	240	220	195	190	180	1
- 30°C - 20°F	240	230	210	190	180	170	1
- 20°C - 4°F	230	220	200	180	170	160	1
- 10°C 14°F	220	210	190	175	165	155	1
0°C 32°F	210	200	180	170	160	150	1
10°C 50°F	200	190	170	160	155	145	1
20°C 70°F	190	180	160	150	150	140	1

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

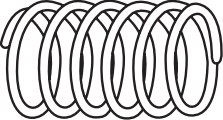
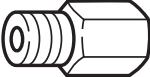
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ
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1.	414 6895 00	Spring	Blue/Yellow	(1)
2.	404 1112 00	Main jet	220	(1)
	404 1123 00	Main jet	200	(1)
	404 1122 00	Main jet	180	(1)
	404 1238 00	Main jet	170	(1)
	404 1182 00	Main jet	160	(1)

1997-SKANDIC WT

HIGH ALTITUDE KIT (P/N 861 7580 00)

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	Qty
Spring	Blue/Violet 420 8178 00	←	Blue/Yellow 414 6895 00	←	←	←	1
Ramp	417 0051 46	←	←	←	←	←	3
Calibration screw position	3	4	2	3	4	5	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	3300	←	←	←	←	←	—
Maximum RPM ± 100	6500	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Blue	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←
Cam angle	° (degrees)	40	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	N/A	←	←	←	←	←
Bottom sprocket	N/A	←	←	←	←	←
Chain, quantity of links	N/A	←	←	←	←	←
Drive sprocket, quantity of teeth	8	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-SKANDIC WT



CAUTION

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

CARBURETION

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		230	220	200	180	170	160	1
Jet needle		6DH8	←	←	←	←	←	1
Needle position		4	←	←	3	←	←	—
Slide cutaway		3.0	←	←	←	←	←	1
Pilot jet		25	←	←	←	←	←	1
Air screw		1.5	←	←	.75	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		O-0 (159)	←	←	←	←	←	1
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.5	←	1.6	1.7	18	1.9	—

MAIN JET CHART

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		250	240	220	195	190	180	1
- 30°C - 20°F		240	230	210	190	180	170	1
- 20°C - 4°F		230	220	200	180	170	160	1
- 10°C 14°F		220	210	190	175	165	155	1
0°C 32°F		210	200	180	170	160	150	1
10°C 50°F		200	190	170	160	155	145	1
20°C 70°F		190	180	160	150	150	140	1

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

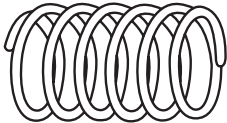
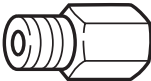
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ
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1.	1.	414 9163 00	Spring	Blue/Pink(1)
2.	404 1004 00	Main jet	270	(1)
	404 1006 00	Main jet	260	(1)
	404 1003 00	Main jet	250	(1)
	404 1002 00	Main jet	240	(1)
	404 1191 00	Main jet	210	(1)
	404 1123 00	Main jet	200	(1)
	404 1190 00	Main jet	190	(1)
	404 1122 00	Main jet	180	(1)
	404 1238 00	Main jet	170	(1)

1997-SKANDIC WT LC

HIGH ALTITUDE KIT (P/N 861 7600 00)

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	Qty
Spring		Blue/Orange 420 6390 00	←	Blue/Pink 414 9163 00	←	←	←	1
Ramp		417 0052 90	←	←	←	←	←	3
Calibration screw position		2	3	2	3	4	5	—
Pin		417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100		3400	←	←	←	←	←	—
Maximum RPM ± 100		6800	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring		Blue	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	7.0 15.4	←	←	←	←	←
Cam angle	° (degrees)	40	←	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket		25	←	←	←	←	←
Bottom sprocket		44	←	←	←	←	←
Chain, quantity of links		74	←	←	←	←	←
Drive sprocket, quantity of teeth		9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-SKANDIC WT LC



CAUTION

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

CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		260 280	250 270	240 260	190 210	180 200	170 190	PTO MAG
Jet needle		6DH4	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.0	←	←	←	←	←	2
Pilot jet		30	←	←	←	←	←	2
Air screw		1.0 .75	←	←	.5 .5	←	←	PTO MAG
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	←	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1900	←	←	←	←	←	—
Idle throttle valve position	mm	1.5	1.6	1.7	1.8	1.9	2.0	—

MAIN JET CHART

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	280 300	270 290	260 280	210 230	200 220	190 210	PTO MAG
- 30°C - 20°F	270 290	260 280	250 270	200 220	190 210	180 200	PTO MAG
- 20°C - 4°F	260 280	250 270	240 260	190 210	180 200	170 190	PTO MAG
- 10°C 14°F	250 270	240 260	230 250	180 200	170 190	160 180	PTO MAG
0°C 32°F	240 260	230 250	220 240	170 190	160 180	150 170	PTO MAG
10°C 50°F	230 250	220 240	210 230	160 180	150 170	140 160	PTO MAG
20°C 70°F	220 240	210 230	200 220	150 170	140 160	130 150	PTO MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

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CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

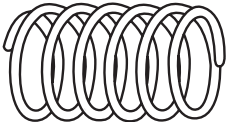
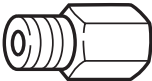
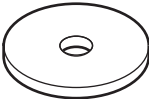
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ
3  A01C2DQ	4  A00A22Q

1.	417 1184 00	Spring	Violet	(1)
2.	404 1304 00	Main jet	135	(2)
	404 1249 00	Main jet	130	(2)
	404 1248 00	Main jet	125	(2)
	404 1240 00	Main jet	115	(2)
	404 1241 00	Main jet	110	(2)
3.	404 1169 00	Needle jet	O-8 (159)	(2)
4.	417 1144 00	Weight		(15)

1997-SKANDIC 380

HIGH ALTITUDE KIT (P/N 861 7579 00)

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	Qty
Spring	Yellow/green on Violet 417 1185 00	←	Red/Blue on Violet 417 1184 00	←	←	←	1
Block	417 1181 00	←	←	←	←	←	1
Weight	1 of 417 1204 00	←	5 of 417 1144 00	4 of ←	3 of ←	2 of ←	x 3
Capsule	417 1145 00	←	←	←	←	←	x 3
Engagement RPM ± 100	2900	←	3100	←	←	←	—
Maximum RPM ± 100	6900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Orange 414 5058 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	4.8 10.6	5.5 12.1	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	21	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-SKANDIC 380



CAUTION

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

CARBURETION

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		140	135	130	125	115	110	2
Jet needle		6DP9	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	←	←	←	2
Air screw		1.25	←	←	1.0	←	←	PTO MAG
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	O-8 (159)	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.3	←	←	1.6	←	←	—

MAIN JET CHART

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		150	145	140	135	125	120	2
- 30°C - 20°F		145	140	135	130	120	115	2
- 20°C - 4°F		140	135	130	125	115	110	2
- 10°C 14°F		135	130	125	120	110	105	2
0°C 32°F		130	125	120	115	105	100	2
10°C 50°F		125	120	115	110	100	95	2
20°C 70°F		120	115	110	105	95	90	2

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

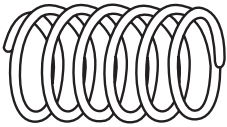
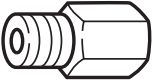
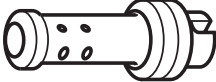
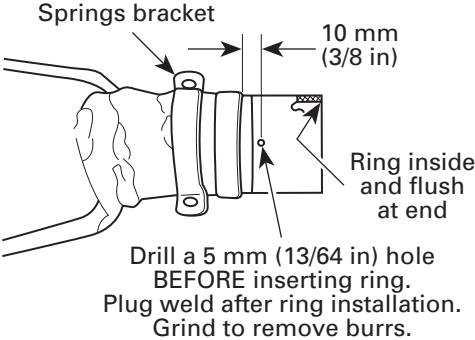
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01C2EQ
4  Springs bracket 10 mm (3/8 in) Ring inside and flush at end Drill a 5 mm (13/64 in) hole BEFORE inserting ring. Plug weld after ring installation. Grind to remove burrs. A00A3KQ		

1.	414 6915 00	Spring	Red/Blue	(1)
2.	404 1182 00	Main jet	160	(1)
	404 1209 00	Main jet	150	(1)
	404 1266 00	Main jet	140	(1)
	404 1249 00	Main jet	130	(1)
	404 1239 00	Main jet	120	(1)
3.	404 1094 00	Pilot jet	45	(2)
4.	514 0434 00	Restriction Ring		(1)

1997-SKANDIC 500

HIGH ALTITUDE KIT (P/N 861 7578 00)

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	Qty
Spring		Red/Yellow 414 8175 00	←	Red/Blue 414 6915 00	←	←	←	1
Ramp		417 0052 84	←	←	←	←	←	3
Calibration screw position		4	5	2	3	4	5	—
Pin		417 0043 03	←	←	←	←	←	3
Engagement RPM $\pm$ 100		3000	←	←	←	←	←	—
Maximum RPM $\pm$ 100		7100	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring		Orange 414 5058 00	←	←	←	←	←
Spring tension	Kg $\pm$ 0.7 lb $\pm$ 1.5	4.8 10.6	←	5.5 12.1	←	←	←
Cam angle	° (degrees)	44	←	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket		21	←	←	←	←	←
Bottom sprocket		44	←	←	←	←	←
Chain, quantity of links		72	←	←	←	←	←
Drive sprocket, quantity of teeth		9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-SKANDIC 500

 CAUTION

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

CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		180	170	160	150	140	130	PTO MAG
		170	160	150	140	130	120	
Jet needle		6DH2	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	45	←	←	2
Air screw		1.875	←	←	1.5	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	←	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.5	←	1.6	1.7	1.8	1.85	—
Exhaust restricting ring		N/A	←	←	514 0434 00	←	←	1

MAIN JET CHART

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
– 40°C – 40°F		200	190	175	165	155	140	PTO MAG
		190	180	165	155	145	130	
– 30°C – 20°F		190	180	165	155	145	135	PTO MAG
		180	170	155	145	135	125	
– 20°C – 4°F		180	170	160	150	140	130	PTO MAG
		170	160	150	140	130	120	
– 10°C 14°F		170	160	155	145	135	125	PTO MAG
		160	150	145	135	125	115	
0°C 32°F		165	155	150	140	130	120	PTO MAG
		155	145	140	130	120	110	
10°C 50°F		160	150	140	130	125	115	PTO MAG
		150	140	130	120	115	105	
20°C 70°F		155	145	135	125	120	110	PTO MAG
		145	135	125	115	110	100	

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

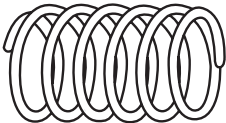
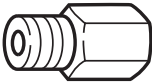
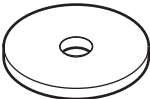
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ
3  A01C2DQ	4  A00A22Q

1.	417 1184 00	Spring	Violet	(1)
2.	404 1249 00	Main jet	130	(2)
	404 1248 00	Main jet	125	(2)
	404 1304 00	Main jet	135	(2)
	404 1240 00	Main jet	115	(2)
	404 1241 00	Main jet	110	(2)
3.	404 1169 00	Needle jet	0-8 (159)	(2)
4.	417 1144 00	Weight		(15)

1997-TOURING E/E LT

HIGH ALTITUDE KIT (P/N 861 7577 00)

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	Qty
Spring (Touring E LT)	Yellow/Green on Violet 417 1185 00	←	Red/Blue on Violet 417 1184 00	←	←	←	1
Spring (Touring E)	Red/Blue on Violet 417 1184 00	←	←	←	←	←	1
Block	417 1181 00	←	←	←	←	←	1
Weight	1 of 417 1204 00	←	5 of 417 1144 00	4 of ←	3 of ←	2 of ←	x 3
Capsule	417 1145 00	←	←	←	←	←	x 3
Engagement RPM ± 100	(E LT) 2900 (E) 3100	←	3100	←	←	←	—
Maximum RPM ± 100	6900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Orange	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	4.8 10.6	5.5 12.1	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	21	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-TOURING E/E LT



CAUTION

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

CARBURETION

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		140	135	130	125	115	110	2
Jet needle		6DP9	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	←	←	←	2
Air screw		1.25 1.25	←	←	0.5 1.0	←	←	PTO MAG
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	O-8 (159)	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.3	←	←	1.6	←	←	—

MAIN JET CHART

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		150	145	140	135	125	120	2
- 30°C - 20°F		145	140	135	130	120	115	2
- 20°C - 4°F		140	135	130	125	115	110	2
- 10°C 14°F		135	130	125	120	110	105	2
0°C 32°F		130	125	120	115	105	100	2
10°C 50°F		125	120	115	110	100	95	2
20°C 70°F		120	115	110	105	95	90	2

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

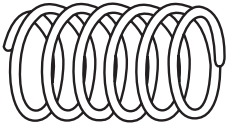
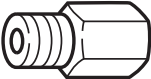
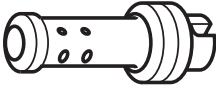
The transmission and carburetion charts list all parts as well as modifications and adjustments needed for altitude and/or temperature changes.

High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01C2EQ
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1.	414 9163 00	Spring	Blue/Pink	(1)
2.	404 1238 00	Main jet	170	(2)
	404 1182 00	Main jet	160	(2)
	404 1266 00	Main jet	140	(2)
	404 1249 00	Main jet	130	(2)
	404 1239 00	Main jet	120	(2)
3.	404 1094 00	Pilot jet	45	(2)

1997-TOURING LE

HIGH ALTITUDE KIT (P/N 861 7576 00)

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	Qty
Spring	Yellow/Violet 414 6784 00	←	Blue/Pink 415 9163 00	←	←	←	1
Ramp	417 0052 27	←	←	←	←	←	3
Calibration screw position	4	5	2	3	4	5	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	3500	←	3700	←	←	←	—
Maximum RPM ± 100	7000	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Orange	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	4.8 10.6	←	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	21	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-TOURING LE



CAUTION

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

CARBURETION

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	160	140	130	120	2
Jet needle		6DH2	←	←	←	←	←	2
Needle position		3	←	←	2	←	1	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	45	←	←	2
Air screw		2.25	←	←	1.25	1.0	0.75	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-1 (159)	←	←	←	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.6	1.9	2.0	2.2	2.3	2.4	—

MAIN JET CHART

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		195	185	175	155	145	135	2
- 30°C - 20°F		185	175	165	145	135	125	2
- 20°C - 4°F		180	170	160	140	130	120	2
- 10°C 14°F		175	165	155	135	125	115	2
0°C 32°F		170	160	150	130	120	110	2
10°C 50°F		165	155	145	125	115	105	2
20°C 70°F		155	145	135	115	105	95	2

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

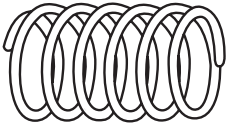
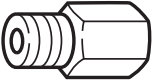
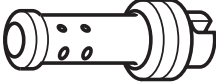
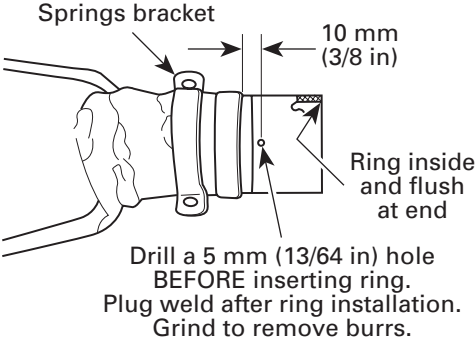
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High Altitude Technical Data sheets (P/N 484 0648 00) containing technical information pertaining to carburetor jetting, transmission calibration, chain case gearing, conversion charts and more, are available. They cover all models for the last 5 years. A convenient binder (P/N 484 0545 00) can be ordered to organize the set.

CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01C2EQ
4  A00A3KQ		

1.	414 6915 00	Spring	Red/Blue	(1)
2.	404 1182 00	Main jet	160	(1)
	404 1209 00	Main jet	150	(1)
	404 1266 00	Main jet	140	(1)
	404 1249 00	Main jet	130	(1)
	404 1239 00	Main jet	120	(1)
3.	404 1094 00	Pilot jet	45	(2)
4.	514 0434 00	Restriction Ring		(1)

1997-TOURING SLE

HIGH ALTITUDE KIT (P/N 861 7575 00)

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	Qty
Spring	Red/Yellow 414 8175 00	←	Red/Blue 414 6915 00	←	←	←	1
Ramp	415 0052 84	←	←	←	←	←	3
Calibration screw position	4	5	2	3	4	5	—
Pin	417 0043 03	←	←	←	←	←	3
Engagement RPM ± 100	3000	←	←	←	←	←	—
Maximum RPM ± 100	7100	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	Orange	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	4.8 10.6	5.5 12.1	←	←	←
Cam angle	° (degrees)	44	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	21	←	←	←	←	←
Bottom sprocket	44	←	←	←	←	←
Chain, quantity of links	72	←	←	←	←	←
Drive sprocket, quantity of teeth	9	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-TOURING SLE



CAUTION

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

CARBURETION

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
Main jet		180 170	170 160	160 150	150 140	140 130	130 120	PTO MAG
Jet needle		6DH2	←	←	←	←	←	2
Needle position		3	←	←	2	←	←	—
Slide cutaway		2.5	←	←	←	←	←	2
Pilot jet		40	←	←	45	←	←	2
Air screw		1.875	←	←	1.5	←	←	—
Valve seat		1.5	←	←	←	←	←	2
Needle jet		P-0 (159)	←	←	←	←	←	2
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1650	←	←	←	←	←	—
Idle throttle valve position	mm	1.5	←	1.6	1.7	1.8	1.85	—
Exhaust restricting ring		N/A	←	←	514 0434 00	←	←	1

MAIN JET CHART

Altitude		Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft	Qty
Calibration								
– 40°C – 40°F		200 190	190 180	175 165	165 155	155 145	140 130	PTO MAG
– 30°C – 20°F		190 180	180 170	165 155	155 145	145 135	135 125	PTO MAG
– 20°C – 4°F		180 170	170 160	160 150	150 140	140 130	130 120	PTO MAG
– 10°C 14°F		170 160	160 150	155 145	145 135	135 125	125 115	PTO MAG
0°C 32°F		165 155	155 145	150 140	140 130	130 120	120 110	PTO MAG
10°C 50°F		160 150	150 140	140 130	130 120	125 115	115 105	PTO MAG
20°C 70°F		155 145	145 135	135 125	125 115	120 110	110 100	PTO MAG

NOTE: Arrows in the charts indicate that the preceding information is repeated.



WARNING

For safety reasons, this kit must be installed by an authorized Bombardier snowmobile dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific models. It is not recommended for vehicles other than those for which it was sold.



CAUTION

The following modifications and adjustments apply only for altitudes above 600 m (2000 ft).

NOTE: Installation time is approximately 1.5 hours.

MODIFICATIONS AND ADJUSTMENTS

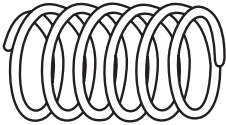
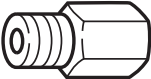
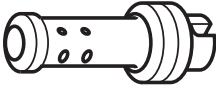
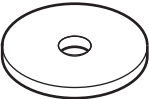
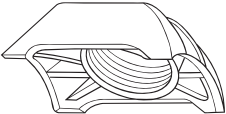
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CARBURETOR JETTING

Stock vehicle jetting and the main jets included in this kit are prescribed for a temperature of -20°C (-4°F), as indicated by **bold face type** on the main jet chart. Snowmobile utilization above or below this temperature requires a different jetting. In that case, find the required main jet size in "Carburetion" chart and order it according to the Bombardier P/N (part numbers) given in "Main Jet" P/N chart that can be found in the previously mentioned *High Altitude Technical Data* sheets.

PARTS TO BE INSTALLED

1  A01D10Q	2  A01C2CQ	3  A01C2EQ
4  A00A22Q	5  A05D0HQ	

1.	417 1156 00	Spring	Blue	(1)
2.	404 1195 00	Main jet	185	(1)
	404 1192 00	Main jet	175	(1)
	404 1266 00	Main jet	140	(1)
	404 1249 00	Main jet	130	(1)
	404 1248 00	Main jet	125	(1)
3.	404 1027 00	Pilot jet	35	(1)
4.	417 1158 00	Weight		(9)
5.	417 1157 00	Centrifugal block		(3)

1997-TUNDRA II LT

HIGH ALTITUDE KIT (P/N 861 7538 00)

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	Qty
Spring	Turquoise 417 1159 00	←	Blue 417 1156 00	←	←	←	1
Block	417 1143 00	←	417 1157 00	←	←	←	3
Weight	0	←	3 of 417 1158 00	2 of ←	2 of ←	1 of ←	x 3
Capsule	417 1145 00	←	0	←	←	←	x 2
Engagement RPM ± 100	3100	←	←	←	←	←	—
Maximum RPM ± 100	6900	←	←	←	←	←	—

DRIVEN PULLEY

Altitude Clutching	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2000 m 8000 ft	3000 m 10000 ft
Spring	White 414 5099 00	←	←	←	←	←
Spring tension	Kg ± 0.7 lb ± 1.5	3.6 7.9	5.9 13	←	←	←
Cam angle	° (degrees)	37.8	←	←	←	←

CHAINCASE and DRIVE AXLE

Altitude Gearing	Sea Level	600 m 2000 ft	1200 m 4000 ft	1800 m 6000 ft	2400 m 8000 ft	3000 m 10000 ft
Top sprocket	14	←	←	←	←	←
Bottom sprocket	25	←	←	←	←	←
Chain, quantity of links	62	←	←	←	←	←
Drive sprocket, quantity of teeth	8	—	—	—	—	—

NOTE: Arrows in the charts indicate that the preceding information is repeated.

1997-TUNDRA II LT



CAUTION

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

CARBURETION

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	185	175	140	130	125	1
Jet needle		6DH4	←	←	←	←	←	1
Needle position		2	←	←	←	←	←	—
Slide cutaway		2.5	←	←	←	←	←	1
Pilot jet		40	←	←	35	←	←	1
Air screw		1.0	←	←	←	←	←	—
Valve seat		1.5	←	←	←	←	←	1
Needle jet		0-8 (159)	←	←	←	←	←	1
Float level	mm	23.9	←	←	←	←	←	—
Idle	RPM ± 200	1200	←	←	←	←	←	—
Idle throttle valve position	mm	1.3	←	←	←	←	←	—

MAIN JET CHART

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	150	145	135	1
- 30°C - 20°F		200	190	180	145	135	130	1
- 20°C - 4°F		190	185	175	140	130	125	1
- 10°C 14°F		185	180	170	135	125	120	1
0°C 32°F		180	175	165	130	120	115	1
10°C 50°F		170	165	155	125	115	110	1
20°C 70°F		165	160	150	120	110	105	1

NOTE: Arrows in the charts indicate that the preceding information is repeated.