



# ski-doo<sup>®</sup> Snowmobiles

## OPERATOR'S GUIDE SUPPLEMENT SUMMIT X 670

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
1998	SUMMIT* X 670	1307/1310	ALL

**NOTE:** This supplement must be used in conjunction with *1998 Operator's Guide* (P/N 415 0475 00).

## STARTING PROCEDURE

Apply brake.

Check throttle lever operation. Make sure it returns to idle position when released.

Ensure that the emergency cut-out switch is in the ON position.

Ensure that the tether cut-out cap is on the DESS post and that the cord is attached to your clothing.

### Initial Cold Starting

**NOTE:** Do not operate the throttle lever.

#### Above Freezing Point Temperature (0°C)

Grasp manual starter handle firmly and pull vigorously to crank engine.

If engine refuses to start, activate the primer button once then crank the engine again.

#### Below Freezing Point Temperature (0°C)

Activate primer button 2 or 3 times before cranking engine to inject fuel into intake manifold.

In extremely cold temperature, more priming may be required.

After the engine is started, the Digital Performance Management (DPM) system will control the carburetion.

### Warm Engine Starting

Priming is not necessary when engine is warm.

Crank engine normally without operating the throttle lever.

**IMPORTANT:** Operating the throttle lever while cranking the engine will deactivate the DPM system.

## HOLDING STRAP

This strap can be used when traversing side hills.

### ◆ WARNING

Do not use strap to lift snowmobile. To be used only by experienced riders familiar with the actual conditions and riding terrain. This strap is not a substitute for a handlebar. Full throttle and brake control should be readily available at all times.



1. Holding strap

## SPECIFICATIONS

GENERAL	SUMMIT X 670	
<b>Engine</b>		
– Maximum power engine speed	RPM	8100
<b>Drive belt</b>		
– Number		415 0990 00
– New belt width	mm (in)	35.2 (1-3/8)
– Wear limit width	mm (in)	32.5 (1-9/32)
<b>Spark plug</b>		
– Type		NGK BR 9 ES
– Gap	mm (in)	0.45 (.018)
<b>Track</b>		
– Tension	mm (in)	35 - 40 (1-3/8 - 1-9/16) ①
– Alignment		②
<b>FLUIDS</b>		
<b>Fuel</b>		
– Type		③
– Tank capacity	L (US gal)	40 (10.6)
<b>Oil (engine)</b>		
– Type		④
– Tank capacity	L (US oz)	2.8 (95)
<b>Chaincase/Transmission Oil</b>		
– Type		⑤
– Capacity	mL (US oz)	250 (8.5)
<b>Cooling System</b>		
– Type		⑥
– Capacity	L (US oz)	5 (169)
<b>Brake System Fluid</b>		
– Type		DOT 4

- ① Measure gap between slider shoe and bottom inside of track when exerting a downward pull of 7.3 kg (16 lb) to the track.
- ② Equal distance between edges of track guides and slider shoes.
- ③ Super unleaded gasoline with a minimum octane number of  $91(R + M)/2$ .
- ④ Bombardier Injection Oil (P/N 413 8029 00 - 12 x - 1 L).
- ⑤ Bombardier Synthetic Chaincase Oil (P/N 413 8033 00).
- ⑥ Ethylene-glycol antifreeze for aluminum engines mixed with water (3 parts of antifreeze for 2 parts of water).