

# TUNING PROGRAM

SKI-DOO / LYNX

**Map Tun**  
lowersports  
**VTECHTUNED**

UNLEASH  
**MOMENTUM**

UNLEASH  
**SHARPNESS**

UNLEASH  
**POTENTIAL**

Maptun has a long history working with Ski-Doo/Lynx. Our most popular model has been the 900 ACE TURBO since it's release in 2019. The engine is based on the popular and durable Rotax 900 Ace but, as the name suggests, with the addition of a turbocharger. In our endless ambition to offer the outmost performance to our customers we have developed three different tunes for the 900 Ace Turbo taking it up to 220 hp. And, perhaps most importantly, with increased drivability thru the entire power band.

For the 2020/2021 season we introduced tuning and diagnostics for **Ski-Doo/Lynx E-TEC-models**. After hours and hours of testing in the dyno and out in the field, together with our ambassadors and dealers, we were able to offer our first tuning stages for these models by the end of last season. At present we offer Stage 1 and 2 tunes for Ski-Doo/Lynx 850 NA and 850 Turbo together with a range of diagnostic apps. We have received great feedback for both of these tuning stages and we look forward to another successful season!



# MAPTUNERX



made in sweden  
by m a p t u n e r

# MAPTUNERX

## UNLEASH THE HIDDEN POWER

MaptunerX performs a so-called reflash. In short, MaptunerX first reads the original vehicle firmware to analyse and look up the various parameters such as load pressure, ignition timing, fuel, various types of restrictions etc. These parameters are then adapted to various conditions such as the exhaust system, air kits, diffusers and climatic circumstances. This is one of the most advanced ways to optimise the engine firmware - but undoubtedly the safest!

MaptunerX always uses the original vehicle firmware as the originating point, which means that the engine control unit is always aware of the increased power and thus at any point can adjust the inherent safety features originally programmed instead of defeating them or, as is often the case, ignoring them.

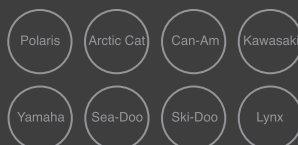
Maptun is continually developing new features and support for new vehicles. Your MaptunerX will never become outdated since it automatically updates its firmware every time it is connected to a computer and synchronised with our server.



Fun fact: There are more than 10.000 MaptunerX users worldwide.

## MAPTUNERX SUPPORTS NUMEROUS MAKES

MaptunerX also supports BRP watercraft, ATVs and UTVs. Other brands, including Yamaha, Lynx, Polaris, Kawasaki and Arctic Cat, are also supported. Additionally, we carry plenty of features and optimisation kits for cars. With MaptunerX, you can simply use the same device for all your vehicles!



## SOFTWARE AND HARDWARE IN PERFECT HARMONY

Products that are equipped with the Maptuner Compatible badge are tested and verified by Maptun to be used with our tuning kits.



# HOW TO TUNE

To unleash the hidden power in your Ski-Doo/LYNX. You can either visit one of our resellers or purchase or loan your own MaptunerX.

Once the tuning license has been activated for the vehicle, you gain free access to all the software plus the ability to switch between these as you like, including the original vehicle software. This also includes new software releases developed after your purchase of tuning license.



## APPS FOR MAPTUNERX

The MaptunerX isn't just a programming unit; with our apps you get more out of the MaptunerX and your Ski-Doo. Handy features such as the Fault Codes app makes your life a bit easier and the Monitoring/Datalogger is crucial for getting the very best performance when fine-tuning.



### REMOVE BREAK-IN

This app allows you to remove or activate the break in period on your Ski-Doo / Lynx E-TEC 850 NA and Turbo.



### FAULT CODES

Display stored and active fault codes on vehicle with extended information. You can also clear the fault codes.



### MONITORING

Real time viewing of vehicle data far beyond that displayed on your dashboard gauge. Critical for performance tuning and service diagnostics.



### DESS KEYS

With this application you can add keys, remove keys, change keys and remove DESS key functionality.



### DATALOGGER

Record vital vehicle data for later analysis. Critical for performance tuning and service diagnostics.



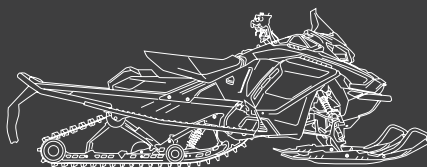
### RESET SERVICE

See information about latest service and total running hours. Reset service light which starts countdown to next factory programmed service interval.

# SKI-DOO / LYNX 600 ACE

## TUNING STAGE 1

This popular 2-cylinder 600cc Rotax engine can be found in many different models; the Lynx Ranger, Ski-Doo Grand Touring and Renegade Sport to name a few. It outputs 60 Hp in stock form but with our software the power is increased with engaging performance. We've received great reviews from customers!

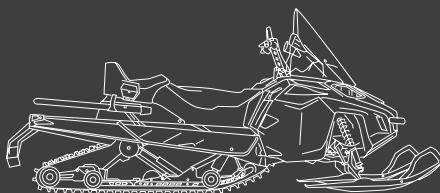


*We don't have any power or torque figures for this engine tune yet.*

# SKI-DOO / LYNX 900 ACE (NATURALLY ASPIRATED)

## TUNING STAGE 1

The 900 Ace Turbo's naturally aspirated sibling is still a capable engine despite it's lack of a turbocharger. Balancing great fuel economy with torque and power makes this a very popular choice for many. The stock 90 Hp may, however, leave you wanting just a bit more. Plug in the MaptunerX, add our stage 1 tuning software and get that extra performance from your 900 Ace!

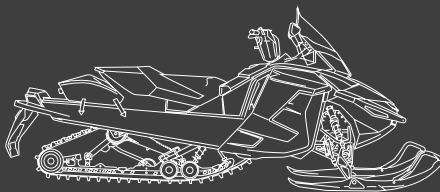


*We don't have any power or torque figures for this engine tune yet.*

# SKI-DOO / LYNX 1200 ACE / 4-TEC

## TUNING STAGE 1

Rotax's large displacement engine found in the Ski-Doo Renegade X. Lot's of power and torque (about 125 Hp and 150 Nm) in stock form but nothing that can't be improved further with the MaptunerX and our Stage 1 tune!

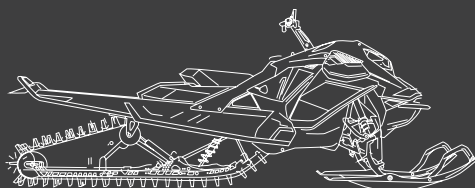


*We don't have any power or torque figures for this engine tune yet.*

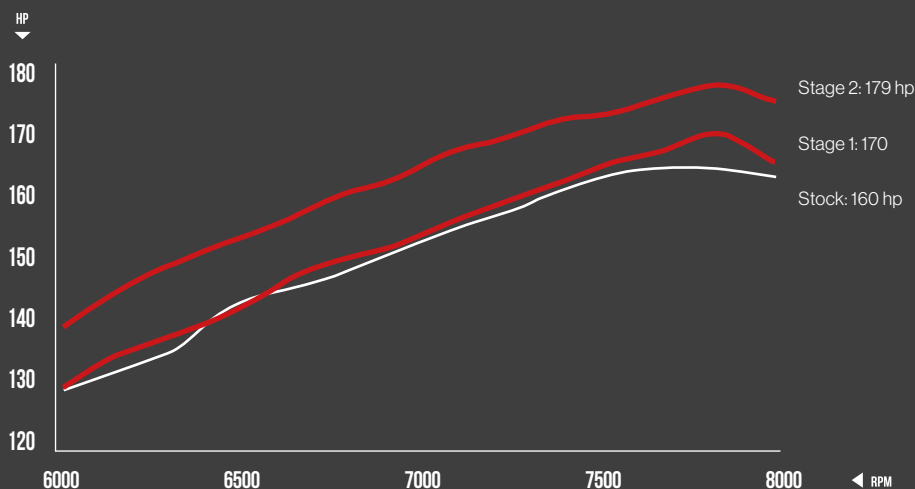
# SKI-DOO / LYNX 850 E-TEC

## TUNING STAGES

Plug-in the MaptunerX and let it reprogram the ECU. That's all you need to do to unleash the performance in your Ski-Doo/Lynx 850 E-TEC. **The Stage 1** tuning software is calibrated for the northern climate, tested by our ambassadors and carefully refined using all our knowledge in snowmobiles and engine management. The Stage 1 brings more power, mostly in the higher rpm-range, and a very appealing characteristic which Maptun is renowned for.



Want some more performance? Install a sport exhaust pipe, plug-in the MaptunerX and let it reprogram the ECU, combine this with a clutch kit and that's all you need to do to get the very most out of your Ski-Doo/Lynx E-TEC 850 with our **Stage 2** tuning software. Calibrated for the northern climate, tested by our ambassadors and carefully refined using all our knowledge in snowmobiles and engine management. For the person who wants more power than our Stage 1, the Stage 2 gives the Ski-Doo/Lynx even more power and torque across the entire RPM-range by replacing the stock exhaust pipe with a sports pipe.





# SKI-DOO / LYNX 850 E-TEC

## REQUIRED HARDWARE AND ADJUSTMENTS

If you want to go beyond "software only" Stage 1 tuning you need to add required hardware for each stage of tuning. Software for all stages are always included in your tuning license so you can easily upgrade to a higher stage by adding hardware and simply select the corresponding software using the Maptuner.

	170 HP / 153 NM	179 HP / 161 NM
 Software	STAGE 1	STAGE 2
 Performance pipe		●
 Upgraded clutch kit	Recommended	●

## TUNING COMPONENTS



### Performance pipe

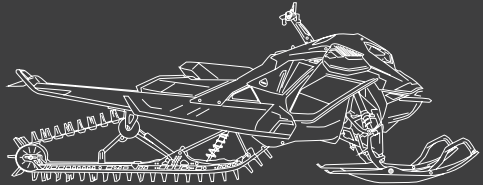
The industry's first changeable internal stinger for Ski-Doo/Lynx allows for adjustments for high/low altitude or race application adjustments. Smaller stinger size will increase the pipe pressure and compensate for low pressure at high elevation. In race applications, a smaller stinger will cause the pipe to react much quicker and require less preheating of the pipe on a rev stand.

- Big mid-range to peak horsepower gains
- A huge amount of R&D time to make the best pipe on the market
- Fits into BMP mufflers or the stock muffler
- Easy bolt-on performance
- Requires Performance Manifold for peak power
- Ceramic-coated finish

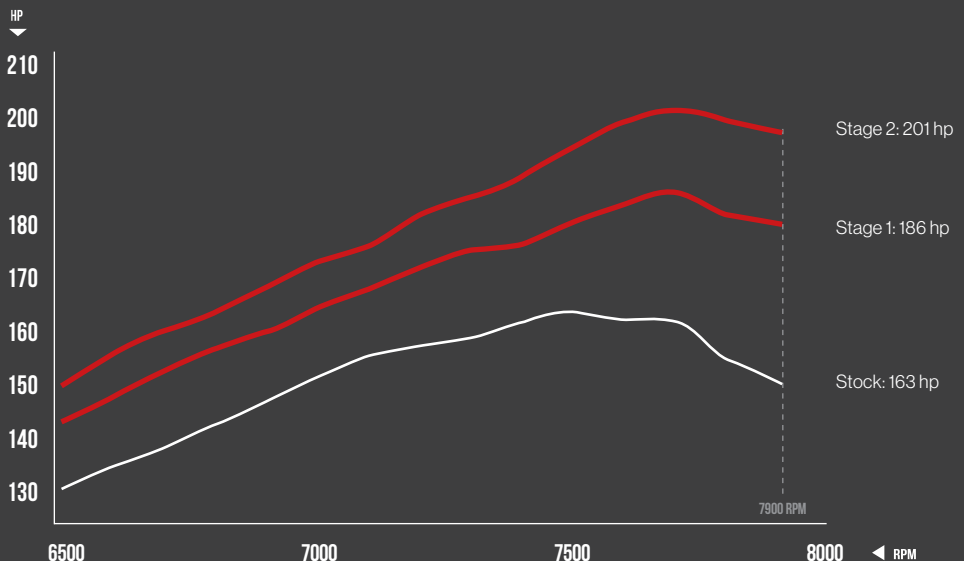
# SKI-DOO / LYNX 850 E-TEC TURBO

## TUNING STAGES

Get the most out of your Ski-Doo/Lynx E-TEC 850 Turbo with our tuning software. It's calibrated for the northern climate, tested by our ambassadors and carefully refined using all our knowledge in snowmobiles and engine management. The **Stage 1** gives the Ski-Doo/Lynx more power and torque across the entire RPM-range - especially in the mid-range - for outstanding drivability!



By replacing the stock exhaust pipe with a performance pipe we're able to go beyond the hardware limitations that comes with "just" a software upgrade. The **Stage 2** really brings out the potential of the 850 E-TEC Turbo engine with exquisite characteristics. The Stage 2 not only gives the Ski-Doo/Lynx more power across the entire RPM-range compared to Stage 1 - but the key factor is the torque delivery which brings more torque AND a wide torque band. Our main focus is always overall drivability and "accessible performance" at any time, instead of just peak power, and we couldn't be more happy with the result of this Stage 2 for the Ski-doo/Lynx 850 E-TEC Turbo.



# SKI-DOO / LYNX 850 E-TEC TURBO

## REQUIRED HARDWARE AND ADJUSTMENTS

If you want to go beyond "software only" Stage 1 tuning you need to add required hardware for each stage of tuning. Software for all stages are always included in your tuning license so you can easily upgrade to a higher stage by adding hardware and simply select the corresponding software using the Maptuner.

	186 HP / 170 NM	201 HP / 184 NM
 Software	STAGE 1	STAGE 2
 Performance pipe		●
 Upgraded clutch		●

## TUNING COMPONENTS



### Performance pipe

The industry's first changeable internal stinger for Ski-Doo/Lynx allows for adjustments for high/low altitude or race application adjustments. Smaller stinger size will increase the pipe pressure and compensate for low pressure at high elevation. In race applications, a smaller stinger will cause the pipe to react much quicker and require less preheating of the pipe on a rev stand.

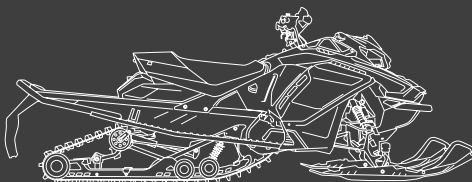
- Big mid-range to peak horsepower gains
- A huge amount of R&D time to make the best pipe on the market
- Fits into BMP mufflers or the stock muffler
- Easy bolt-on performance
- Requires Performance Manifold for peak power
- Ceramic-coated finish

# SKI-DOO / LYNX 900 ACE TURBO

## TUNING STAGES

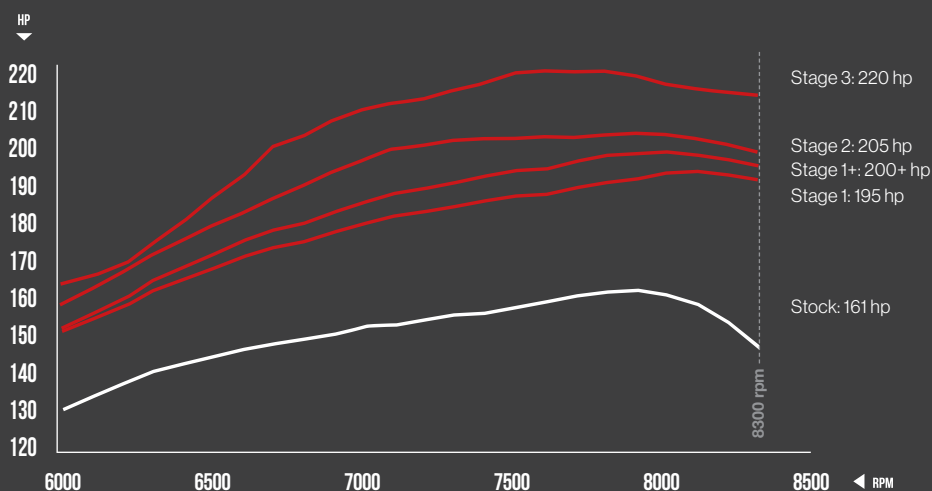
Developed by us to bring out the potential of the 900 Ace Turbo engine. Even our base tuning (**Stage 1**) for the 900 Ace Turbo brings tons of performance compared to the stock software. An increase in horsepower by 35-45 hp over stock, improved throttle response and overall performance. The power delivery is

smooth and the engine characteristics offers instant power when you want it to - but it's still calm and smooth when you just want a comfy cruise from time to time. The **Stage 1+** has the same base tune as Stage 1 but adds extra boost to the midrange when the throttle is fully opened.



**Stage 2** adds even more performance thanks to the added sports exhaust system and the final **Stage 3** combines carefully selected hardware upgrades with the renowned Maptun software to deliver a truly special driving experience. A massive increase in horsepower by 60-70 hp over stock, improved throttle response and seemingly endless resources of performance!

All our tunes for the 900 Ace Turbo comes with the option of a MAP-switch feature that will reduce power in STANDARD drive mode and generate max power in PERFORMANCE drive mode. This will be helpful when fueling low octane fuel or if you want better fuel economy while maintaining some power.



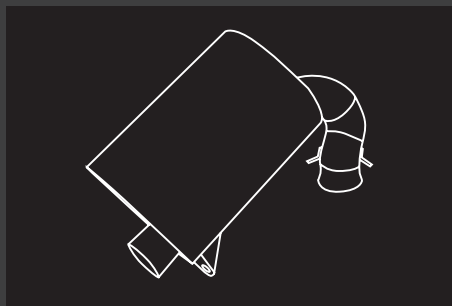
# SKI-DOO / LYNX 900 ACE TURBO

## REQUIRED HARDWARE AND ADJUSTMENTS

If you want to go beyond "software only" Stage 1 tuning you need to add required hardware for each stage of tuning. Software for all stages are always included in your tuning license so you can easily upgrade to a higher stage by adding hardware and simply select the corresponding software using the MaptunerX.

	195 HP / 181 NM	200+ HP / 185 NM	205 HP / 198 NM	220 HP / 208 NM
 <b>Software</b>	STAGE 1	STAGE 1+	STAGE 2	STAGE 3
 <b>Sports exhaust system</b>			●	●
 <b>Blow-off valve</b>				●
 <b>Reinforced pressure hoses</b>				●
 <b>Upgraded injectors</b>				●
 <b>Adjusted wastegate cracking pressure</b>				●
 <b>Upgraded clutch kit</b>	We recommend an upgraded/adjusted clutch for all our tuning stages. For the higher tuning stages an upgraded clutch is essential for an enjoyable driving experience.			

## TUNING COMPONENTS



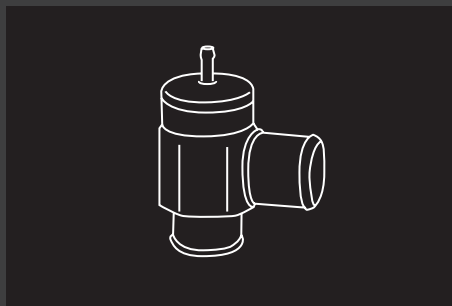
### Exhaust systems

Free flowing exhaust system that allow more air flow than a restrictive original exhaust system. This is required for tuning stages 2 and above.

We have tested and Maptun Compatible exhaust systems in stock. Visit [maptunpowersports.com](http://maptunpowersports.com) to see our current product range.

# SKI-DOO / LYNX 900 ACE TURBO

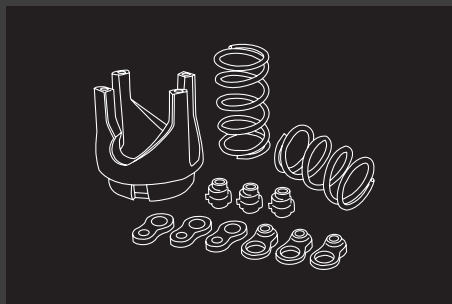
## TUNING COMPONENTS



### Blow-off valves

An upgraded blow-off valve with improved spring, piston and seals for higher boost pressure and better performance. Required for Stage 3.

We have tested and Maptun Compatible blow-off valves in stock. Visit [maptunpowersports.com](http://maptunpowersports.com) to see our current product range.



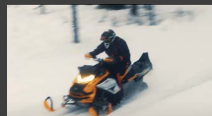
### Clutch kit

Clutch Kit that includes optimized springs for primary and secondary clutch. Together with adjusted helix and weights. These parts combined takes care of the increased power and gives your sled smooth rpm engagement.

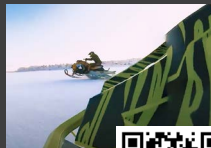
We have tested and Maptun Compatible clutch kits in stock. Visit [maptunpowersports.com](http://maptunpowersports.com) to see our current product range.

## YOUTUBE

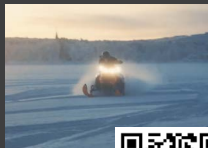
Promo: Ski-doo  
900 Ace Turbo -  
Tuning Stage 3



Ski-doo 900 Ace  
Turbo Stage 3  
vs Polaris 850



Promo: Ski-doo  
850 E-TEC NA and  
850 E-TEC Turbo



How-to-tune:  
Ski-doo 850 E-TEC  
(NA and Turbo)



# SKI-DOO / LYNX 900 ACE TURBO

## TUNING COMPONENTS

High-quality 4-ply silicone hoses that's direct replacements for your original hoses. All our hoses have been pressure tested for 8 bar and reduce the risk of hose expansion when driving with high boost pressures.



### Reinforced pressure hoses

Includes SS302 clamps for proper installation.



### Reinforced intake hose

Increase air flow and durability.



### Reinforced pressure hoses for blow-off valve

With connector for blow-off valve. Includes SS302 clamps for proper installation. Blow-off valve is sold separately.




### Reinforced hose kit complete with blow-off valve

Complete kit with reinforced pressure and intake hoses. Includes blow-off valve and SS302 clamps for the pressure hoses.

*\* Intake hose only available in black.*



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