



SPYDER 2021 1330 Engine With Low Compression - 139334

[Printable Version](#)

Rate This Article

(Average Rating: No Rating)

[Version 2](#)Language English ▼[Show Properties](#)

Summary:

We have some reports of Spyder MY21 (built after January 2021) with no start due to low compression.

Type:

General

TST Detail:

Problem:

The engine won't start due to low compression (+- 80 PSI) and a major leak down (+-90%). The root cause found is carbon buildup in the combustion chamber probably caused by carbon build-up.

Some of you might notice a slower cranking and, no spark & injection pulse, this is normal with a low compression issue and an engine without a camshaft sensor.



Inspection Procedure:

Check the engine compression/ leak-down test. If low compression/leak-down as described above, go to the next steps.

NOTE; Normal compression should be higher than 175 PSI on 1330 engines

***If it is a dealer from Québec province, push the unit aside and do not work on the unit. Open a technical case to report the problem, we might go to your dealership or pick up the unit for investigation.**

For the other regions, open a technical case and answer the following;

- Is the air filter well installed?
- Are the air inlet tubes and hardware well installed, any intake leaks?
- Compression values Cyl #1___ #2___ #3___
- Explain the air filter condition (extra clean, some dust and bugs, normal, etc)

- Was the engine oil replaced? If yes, which brand & P/N?
- What was the weather condition, outside temperature from the last ride from the customer?
- What was the delay between when the customer stop the unit that last time and tried to restart it?
- What is the average distance that the customer is doing on his trips?
- How far was the last hike (distance) before the problem happened?

Solution:

Remove the spark plugs and fuel rail (injector). Use carburetor and carbon cleaner product and spray it generously in the combustion chamber and in the fuel rail injector hole. Remove the 14mm Allen nut on the engine side and turn the engine a little. Spray cleaner again and wait +- 30 min (follow cleaner guidance). After the waiting time, use an air gun and blow all 3 cylinders to remove all cleaner excess. Re-install spark plugs and injectors. Start the engine and let it warm up. Replace the oil.

Warranty:

Normal warranty applies

Attachment:

First Published By: Eric Fauteux on 2021-09-23

Last Modified By: Eric Fauteux on 2021-11-26