

Description

Powertrain - Engine - Engine: P14: 720S, 720S Spider. Lack of Power from the engine due to loose plastic baffle inside the air intake pipework

Document Information

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Vehicles affected: P14: 720S, 720S Spider

Location: Powertrain - Engine - Engine

Concern: Lack of power / Engine Warning Light / Noise

Condition: Under Full Acceleration / Full Throttle application

Diagnostic Trouble Codes

ECM:

P030000 - Misfire detected : Crankshaft speed fluctuation

P02CA00 - Boost Pressure Control : Bank 2 Over Boost

P023400 - Boost Pressure Control : Bank 1 Over Boost

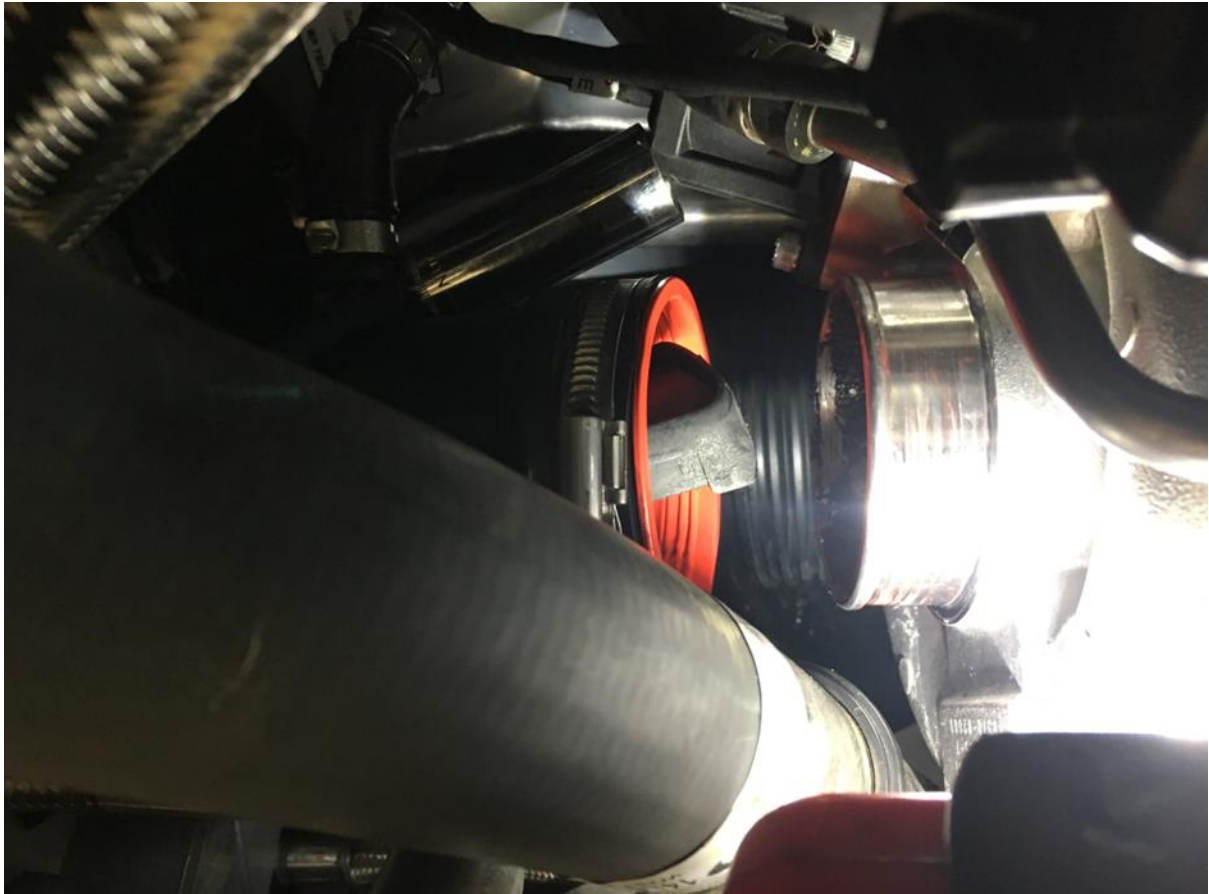
Measure

When diagnosing power loss from the engine and boost issues with or without an engine warning light, one of the checks that must be included in the diagnosis path is to remove the air intake pipes from the Turbocharger Inlet and inspect inside.



It has been reported that an internal plastic baffle cover can be found loose inside the Turbocharger Air Intake pipework blocking the air flow to the Turbocharger.

This can also result in contact with the Turbocharger Compressor Wheel causing damage.



If this condition is found, inspect the Turbocharger Inlet and Compressor Wheel for visible black marks from the plastic baffle cover.





If there are marking evidence, this means that the plastic baffle has made contact with the Turbocharger Compressor Wheel. Due to the light weight and soft material of the plastic baffle cover it is not necessary that Turbocharge damage has occurred.

1. Inspect the Turbocharger Compressor Wheel fins for visible defects
2. Inspect the Turbocharger Compressor Wheel housing for contact with the Compressor fins
3. Inspect the Turbocharger shaft for excessive axial or radial play
4. Inspect the Intercooler for signs of debris

If damage to the Turbocharger can be seen, raise a Technical Request and supply all the necessary information for further investigation.

If no damage to the Turbocharger can be identified (picture below) then proceed with replacing the pipework only - see Parts Information section for part numbers.



Parts Information

14F0846CP - HOSE - CLEAN AIR DUCT - RH

Or

14F0845CP - HOSE - CLEAN AIR DUCT - LH

14F0202CP - SEAL - CLEAN AIR DUCT

00RB030 - HOSE CLAMP - 60-80 - NORMA TORRO

MTI Updates Information

N/A

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