



SPYDER P0730 Active Fault - 140875

Summary:

This fault code can be triggered if the unit has the wrong rear sprocket or a different wheel size.

Type:

General

TST Detail:**Problem:**

P0730 fault code can be triggered if the unit has the wrong rear sprocket or different wheel size. The cluster will stop displaying the gear indication and check engine light came on (limp home condition) and the gearbox won't shift.

Solution:

Each unit has a TCM module programmed according to its configuration. For example, an F3-S North America must have an 89-tooth rear sprocket. If by mistake a small (79 teeth) RT sprocket is installed, then the TCM module will automatically detect an inconsistency between the actual value and the programmed one due to the different final ratio. The TCM uses GBPS, RPM, and wheel sensors to determine if the correct gear ratio is engaged.

Therefore, anything that changes the final gear ratio of the vehicle will result in a check engine fault (P0730) as well as a limp home and no gear displayed on the cluster.

Inspection Procedure:

Check if the unit has the correct rear sprocket installed;

Refer to the shop manual technical specifications section, sub-section Drive system, and then check the final drive information according to the unit you are working on. The same thing to the tires, refer to the Tire sub-section for the proper tire size.

Warranty:

Warranty applies if a wrong component is installed from the factory

Attachment:

First Published By: Eric Fauteux on 2023-01-23

Last Modified By: Eric Fauteux on 2023-01-23