

Hatz 4H50T Diagnostic Trouble Code SPN107 FMIxxx

SAE developed J1939 standards that have assigned specific component or component systems. The Suspect Parameter Number (SPN) 107 in J1939 diagnostic fault code (DTC) standards is described as:

SPN107 Engine Air Filter Differential Pressure DTC Description

SPN	FMI	LAMP	DESCRIPTION	CORRECTIVE ACTION	FAILURE REACTION
107	0		Plugged Air Filter	Clean or replace the air filter. Check differential air sensor harness or sensor.	
107	3	RED	Check engine harness or air filter sensor	Check engine harness or air filter sensor	Limp Home Mode
107	4	RED	Check engine harness or air filter sensor	Check engine harness or air filter sensor	Limp Home Mode
107	14	RED	Change filter or check engine harness	Check engine harness or air filter sensor	Limp Home Mode
107	31		Plugged Air Filter	Clean or replace the air filter. Check differential air sensor harness or sensor.	

SPN107 has been found to be triggered on Whiteman trowels display during the following conditions:

- High restriction in the air filter, dirty filter and/or an inner filter has been installed. Do Not use an inner filter on These model trowel: HTX/STX6H
- Loose hose clamps on the air intake hoses from turbo to the intercooler.
- Loose hose clamps from intercooler to intake manifold.
- Worn worm style clamps can become stripped and loosen.

Image of worn clamp



Solutions

- Clean and or replace air filter.
- Ensure clamps are fully seated so clamping force is around the inside pipe flange.
- Replace worn and damaged clamps.
- Every 250hrs. Inspect intake system from air cleaner through intercooler and out to the engine intake.