



Preliminary Information

PIP4017C SES Light due to a P1174 DTC - Perform Injector Test with AFIT (CH47976)

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Malibu	2006 - 2007	All	All	2.4 LE5	All
Pontiac	G6	2006	All	All	2.4 LE5	All
Pontiac	Solstice	2006 - 2007	All	All	2.4 LE5	All
Saturn	Aura	2007	All	All	2.4 LE5	All
Saturn	Sky	2007	All	All	2.4 LE5	All
Saturn	Vue	2007	All	All	2.4 LAT	All

Supersession Statement

This PI was superseded to update Recommendations/Instructions. Please discard PIP4017B

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition / Concern

On rare occasions, a SES light may be encountered due to a P1174 DTC. In some instances, a P0300 may also be stored. This may be due to a fuel injector concern on one of the cylinders that a Tech 2 fuel injector balance test may not isolate.

Recommendations / Instructions

If the SI diagnostics do not isolate a cause for this concern, perform the Fuel Injector Diagnosis (w/CH47976) in SI. If a lean injector is found, replace it and re-evaluate the concern. In some instances, a fuel injector that has a flow rate as little as 3% less than the other 3 injectors could cause this DTC to set. Also, as mentioned in the P1174 SI diagnosis, if the misfire current counters or misfire graph indicate any misfires, it may be an indicator of the cylinder that is causing the concern.

Notice: As mentioned in the AFIT User Guide, vehicles that are not listed in the AFIT menu can still be tested with the AFIT. If the model you are working on is not in the AFIT menu, ensure that the AFIT has been updated with the latest software. To find the latest AFIT software, follow instructions in the latest version of [PIP4723](#) to gain access to GM tools and equipment website. If the latest AFIT software has been installed but the vehicle you are working on still is not listed in the AFIT menu, it will be necessary to use the direct connection method outlined in the AFIT User Guide.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.



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