

## HATZ ENGINE EGR DTC CORRECTIVE ACTION

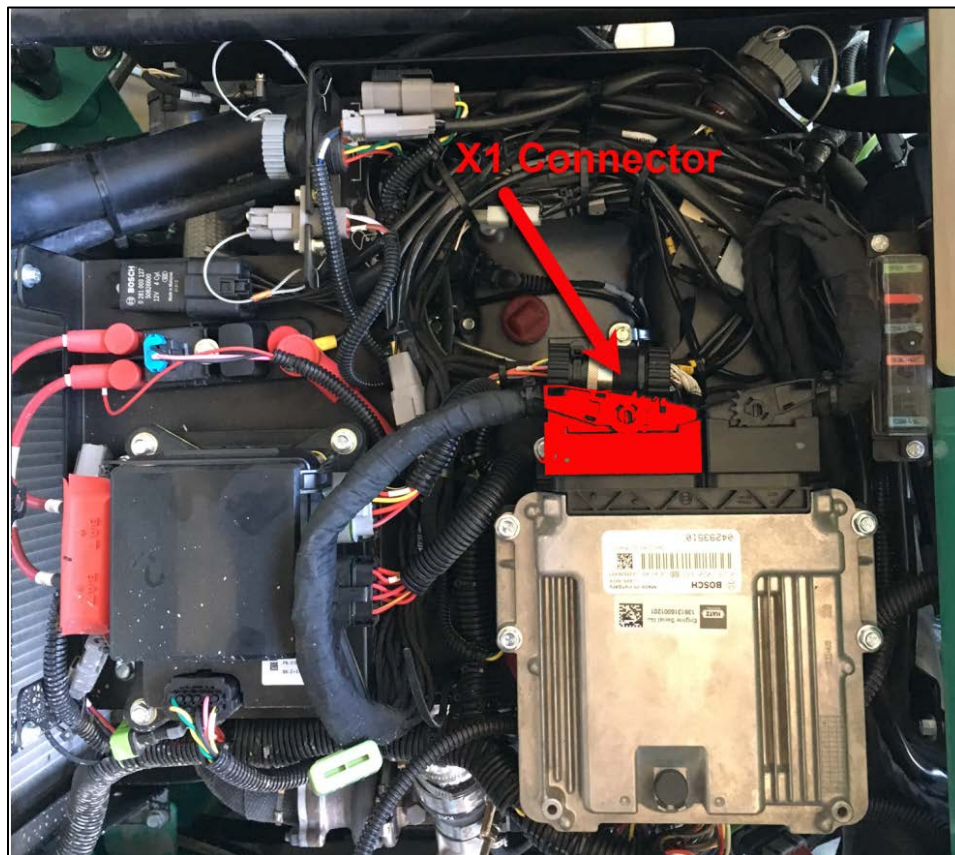
### SPN 2791 FMI xxx

The purpose of this documentation is to provide a corrective action for DTC - SPN 2791, reported as an EGR fault. If this fault occurs, the engine DTC will report on the Murphy power view as SPN 2791 FMI xxx. This will result in an engine speed derate to 1900 RPM. It was determined that EGR faults on the Hatz 4H50TIC can be caused by a short circuit in the 5V sensor supply wires located in the APP engine harness bundle.

To avoid short circuits in the EGR position sensor circuit, it is recommended to terminate the APP wires using this step provided below. This is a countermeasure or a fault correction on a machine with an active EGR DTC.

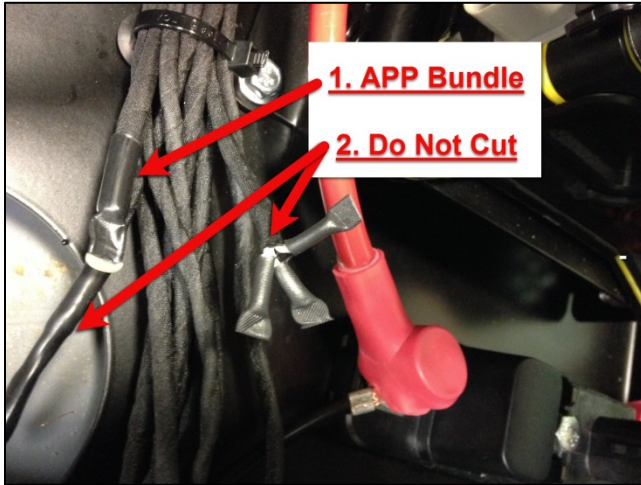
**Production Change Begins with Machine Serial Number: NG2003610**

1. Locate APP wire bundle in the Hatz engine harness coming off the X1 connector. The APP wire bundle should be terminated 12 to 14 inches from the X1 connector.

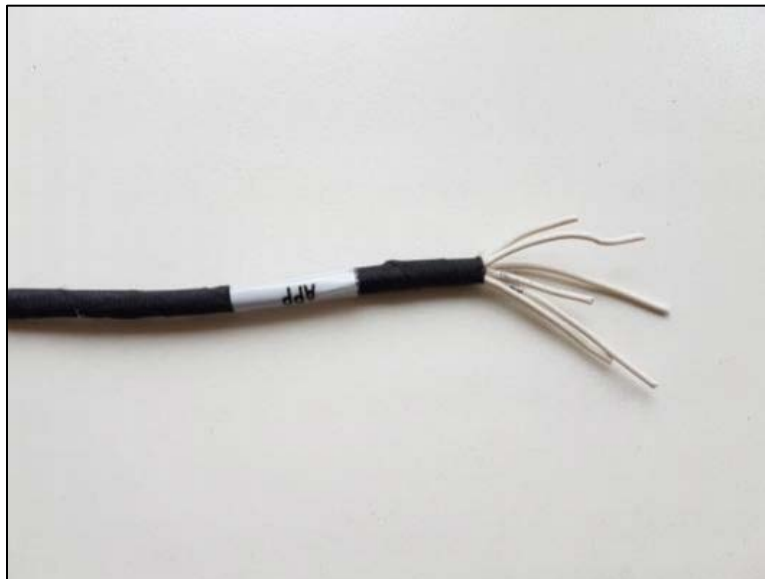


This bulletin is provided for technical reference and service related updates. If you have any questions, comments or do not wish to receive these e-mails, please reply to this e-mail or call the Service Technical Support Group 800 478-1244.

2. Once located, remove the factory shrink tube and expose the (6) flush cut wires. Smaller diameter 3 wire bundles should be left as is.



3. Remove 2 inches of the original Hatz fabric tape. Cut wires in the APP bundle to varying lengths, minimum of ¼ inch apart.



4. Use a self-adhesive shrink tube for each wire and crimp the shrink tube on the end of the wires.



5. Cover all 6 wires with a large self-adhesive shrink tube.





6. Once the APP harness bundle has been corrected, use a paint marker and write APP with a check mark on the X1 connector. This will help identify the trowel has been updated.



7. Check for active DTC's, If there is no DTC's present the EGR valve and sensor are ok.
8. If there are active EGR DTC's (SPN 2791) replace the faulty EGR valve.