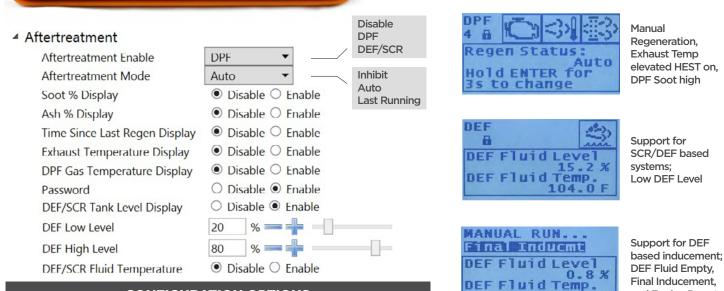


# **TOUGH** Series Tier 4 Final Emissions **KEY FEATURES**



**TOUGH Series controllers have been** successfully tested with several notable engine brands, including ISUZU, KUBOTA, SCANIA, CUMMINS, and JOHN DEERE, to name a few.

Contact factory for the latest engine interface listing.



#### **CONFIGURATION OPTIONS**

#### **Regen Screen Display** Solid Lamp provides warning that the

MANUAL RUN	Fre
Regen Status:	all
Hold ENTER for 3s to change	the
53 co change	Da

ont Panel Scrolling Screen lows an operator to enter e Regen Menu Selection. Password may be required if

and Engine De-rate

enabled in configuration.

104.0

#### **Regen Control**



Options for Regen control: Set ECM regen to AUTO Regen, Force Manual Regen, Regen Inhibit.

Password may be required if enabled in configuration.



**Diesel Particulate Filter (DPF) Lamp** 

Flashing Lamp indicates DPF soot levels have

reached critical stage & DPF Regen is required.

Indicates a Regen cycle has been

activated, warning of high exhaust

A Regen cannot be performed & soot

**High Exhaust Temperature Lamp** 

temperatures.

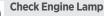
**Regen Inhibit Lamp** 

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Solid Lamp warns that DPF soot levels



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Lamp illuminates when Soot Level in the DPF are increasing, indicating a fault with the after-treatment system. Operator intervention is required to address rising DPF Soot Levels.

**AFTERTREATMENT OPERATOR INTERFACE** 

empty or has reached critically low level. Engine

Torque & speed will soon be de-rated & engine

DEF fluid level is low.

Flashing Lamp indicates DEF fluid level is

**Diesel Exhaust Fluid Lamp (DEF)** 

# DYNACE

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are increasing.

3 Spectacle Lake Drive, Unit B105, Darmouth, NS, Canada B3B 1W8 Tel: 902-406-0133 | Fax: 902-567-0633 Toll Free: 1-888-DYNAGEN (1-888-396-2436)

To find out more visit www.dynagen.ca

**1-888-DYNAGEN** 

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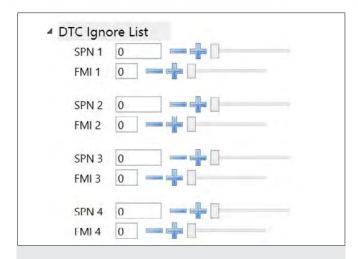
# **TOUGH** Series DTC Code Reader Support KEY FEATURES

## Have you ever been faced with questions like...

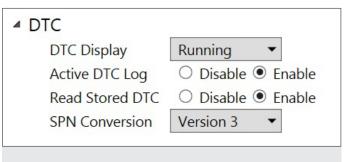
- How do I assign my own custom text to trouble codes?
- How do I ignore diagnostic trouble codes that are false and related to engine calibration?
- How do I request stored codes from ECM?
- How do I enable trouble code display only when engine is running?
- How do I disable diagnostic trouble code display if I don't need it?

# **The TOUGH Series is your solution.**





Troubles codes can be disabled in configuration, preventing the display of false trouble codes, although they are still on the J1939 bus.



DTC display programmable for Disable, Enable globally, or Enable only when running.

Support for reading stored codes on ECM, as well as enabling the logging of DTC codes

SPN 1	0
MI 1	0
PN 1 Text	Check Engine> Check Engine
SPN 2	0
MI 2	0 =
PN 2 Text	Check Engine -> Check Engine
SPN 3	0
MI 3	0
PN 3 Text	Check Engine> Check Engine

Support for up to 30 customer programmable text messages for SPN, and SPN + FMI combinations.



### CONTACT SHANE SAMSON

to discuss your application.

### **1-888-DYNAGEN** ssamson@dynagen.ca

DIRECT: 902-442-9413 CELL: 902-403-1133 DESK: 902-406-0133 ext. 227

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J1939 TOUGH SERIES 0001 | REVISION 1.0

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## **TOUGH Series** J1939 Advanced Communications

## Have you ever needed to know...

- How do I broadcast J1939 data on a Mechanical Engine?
- How do I broadcast Fuel Level, AC Parameters, and Auxillary Sensor data over J1939 on an Electronic Engine?
- How do I provide Start and Stop over J1939?

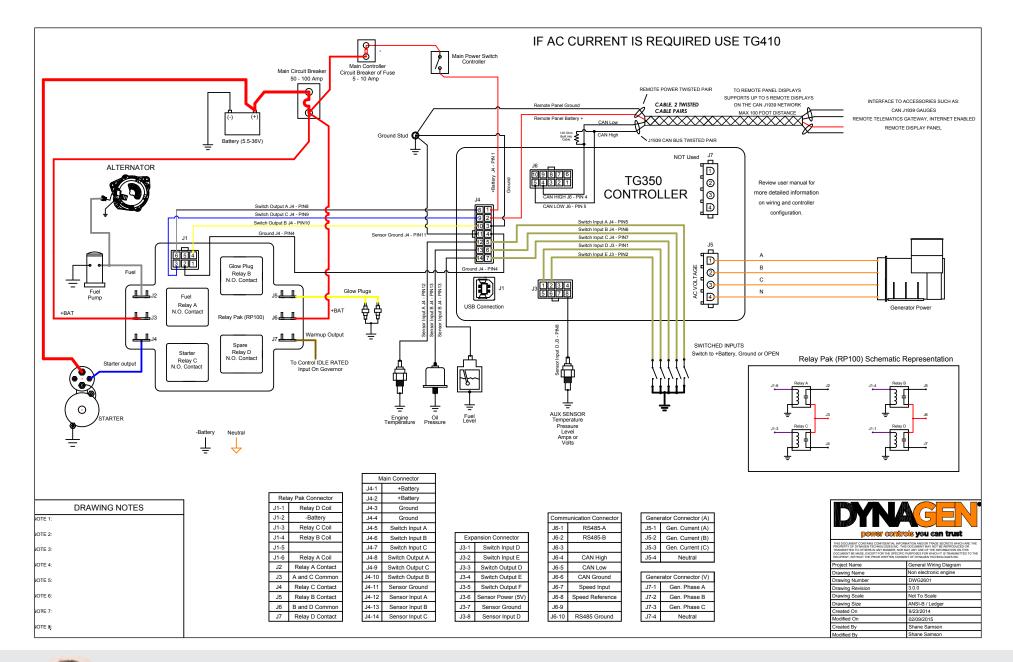
# The TOUGH Series is your solution.





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#### **CONTACT SHANE SAMSON** to discuss your application.

I understand OEM's have varying needs and requirements during new and upcoming projects. Let me leverage my extensive knowledge of engines and engine applications to help you to develop a differentiated and valued solution for your customers. Please call or email me to book an appointment to discuss your new application.

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