**Tech Tips**

**Service Call:**
Identifying which Terex Chassis Controller is installed on my unit.

**Tools Required:**
None

**Model(s):**
Any unit equipped with a Terex Chassis Controller.
Tech Tip Safety Rules

**Danger**

Failure to obey the instructions and safety rules in the appropriate Operator’s Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator’s manual are also safety hazards when maintenance and repair procedures are performed.

**Do Not Perform Maintenance Unless:**

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
  - manufacturer’s instructions and safety rules
  - employer’s safety rules and worksite regulations
  - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.
Step 1
Locate the Terex Chassis Controller. This is usually installed behind the driver’s seat or underneath the passenger seat.

Step 2
There are four different types of systems used to integrate the mounted equipment with the truck chassis or track vehicle.

1. Most International Truck chassis will not have a Terex Chassis Controller. Exceptions would be units with 48 volt HyPower™ system.
2. Wired-Rite system, sometimes called “Mini-Box”. This is not being used on current production units.
3. DTS-50 system. Typically called “Light Duty System”.
4. Terex Chassis Control system. Typically referred to as “IFM System”.
5. DTS-51 Terex Chassis Control system. This is being phased in to replace the IFM System. It is referred to as the “Combo Controller”.

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Step 3
Wired-Rite System components:

Typical Switch Panel:

SST-4 Controller:
Step 4
The “Light Duty” system” is used on Ford 550, Dodge 5500 and smaller chassis. Exceptions are larger chassis (including International with Diamond Logic) equipped with some Terex HyPower hybrid systems, and larger chassis with limited options.

The switch panels shown will be seen in most installations. Due to additional options or customer requirements, they may be different than the ones shown below.

Ford Switch Panel:
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Dodge Switch Panel:

Light Duty Controller (usually behind driver’s seat):
Step 5
The “IFM System” is installed on most chassis larger than Ford 550 or Dodge 5500. This will include International without Diamond Logic, as well as International chassis equipped with Diamond Logic and equipped with the Terex HyPower™ 48 volt hybrid system.

The switch panel shown will be seen in most installations. Due to options or equipment requirements, they may be different than the one shown below. One example is an IFM Controller using the factory Dodge switches located in the dash, shown above.

Display Panel (6 Switch):
Step 6
The “Combo Controller” system is now the current controller on all chassis larger than Ford 550 or Dodge 5500. This will include International without Diamond Logic, as well as International chassis equipped with Diamond Logic if equipped with Terex HyPower 48 volt hybrid system.

Switch and display panel, usually with 8 switches:
Combo Controller (usually behind driver’s seat)

Step 6
See appropriate Tech-Tip, Maintenance Manual, or Chassis Controller Manual for the Chassis Controller to continue troubleshooting.