



## MTU - DETROIT DIESEL SOLUTIONS



GOVERNORS AMERICA CORP.

1+413-233-1888

<https://www.governors-america.com>

<b>MTU 447</b> .....	<b>3</b>
Wood Chipper .....	3
<b>DETROIT 3-71, 4-71, 6-71 AND V8-71</b> .....	<b>4</b>
Industrial.....	4
<b>MTU 183 MARINE PROPULSION / GENERATOR DRIVE</b> .....	<b>5</b>
Marine – Gen Set .....	5
<b>V12-71, V8-92, and V12-92 ENGINES</b> .....	<b>6</b>
Generator .....	6
<b>V16-71, V24-71, V16-92, V12-149, and V16-149 ENGINES</b> .....	<b>7</b>
Off Road Vehicle .....	7
<b>DETROIT DIESEL SERIES 60 (DDEC)</b> .....	<b>8</b>
Industrial – Gen Set.....	8
<b>MTU 183 DIESEL-ELECTRIC LOCOMOTIVE</b> .....	<b>9</b>
Locomotive.....	9

## MTU CROSS REFERENCES & REPLACEMENTS

The following part numbers are directly replaced with GAC.

MTU PART NUMBER	GAC ACTUATOR	GAC SPEED CONTROLLER	GAC MSP / ACCESSORIES
001-061-23-00	ACB275C		
000-538-32-60		ESD5221A	
000-538-55-60		EGS104B	
000-538-56-60		EGS104B	
001-530-16-12		PCA156	
000-532-01-10		PCA157	
000-532-50-64		PCA155	
000-533-29-88		PCA162	
001-061-09-03			KT275
001-061-10-03			KT275
000-061-10-03			KT276
000-535-62-33			MSP677
000-538-57-60			MRM100
003-531-86-18			MRM100A
003-531-76-18			DP3
003-531-84-18			MPP 4102 G2S

# MTU 447

## Wood Chipper

This Forestry Drum Wood Chipper, PTML 350/550 x 800 with MTU 447 with Bosch Inline Fuel Pump runs smoothly with the GAC ADC225 actuator driven by the EDG5500.



**ADC225S**



**EDG5500**



NOTE: All components sold separately.

COMPONENT	PART NUMBER	DESCRIPTION
Speed Controllers	<a href="#">EDG5500</a>	Multi-V DC, droop control, Adjustable PID, Speed ramping, Soft coupling
Actuator	<a href="#">ADC225S</a>	Universal Actuator with internal return spring. 2.2 lbf·ft torque [3.0 N·m] and 25° rotation

# DETROIT 3-71, 4-71, 6-71 AND V8-71

## Industrial

The Detroit Diesel 3-71 84 kW, 4-71 116 kW, 6-71 177 kW, and 237 kW V8-71 engines are often upgraded with the ADD225 actuator with support from the ESD5111.



**ADD225**



**ESD5111**



NOTE: All components are sold separately.

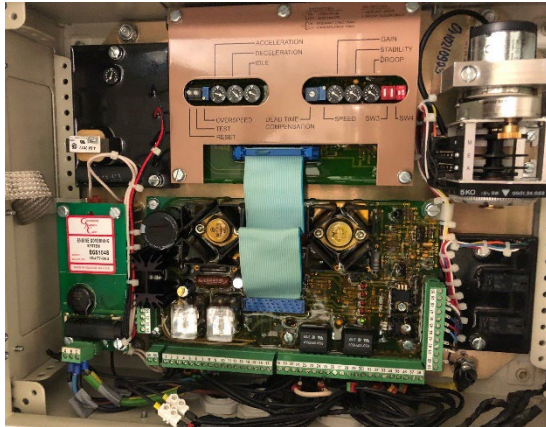
COMPONENT	PART NUMBER	DESCRIPTION
Speed Controller	<a href="#">ESD5111</a>	Multi-V DC, droop control, Adjustable PID, Speed ramping, Soft coupling
Actuator	<a href="#">ADD225</a>	Universal Actuator with internal return spring. 2.2 lbf-ft torque [3.0 N·m] and 25° rotation



# MTU 183 MARINE PROPULSION / GENERATOR DRIVE

## Marine – Gen Set

The EGS104B speed controller uses the actuators and synchronizers on each engine to share information and provide a smooth transition between the engines. This SES yacht with 2 MTU 183 found itself in need of a solution for competing engine control. GACs solution was quick and easy to install, with help from GACs support desk it was off to the seas quickly.



**EGS104B**



**ACE275H**



**SYC6714**



**LSM201**



NOTE: All components are sold separately.

COMPONENT	PART NUMBER	DESCRIPTION
Speed Controller	<b>EGS104B</b>	Call GAC Directly for availability and options.
Actuator	<a href="#">ACE275H</a>	Integrated Pump Mounted Electric Actuator, Mounts Directly on Bosch P and RP21 fuel injection pumps in place of mechanical governor.
Module	<a href="#">SYC6714</a> <a href="#">LSM201</a>	(2) synchronizers (2) load share modules

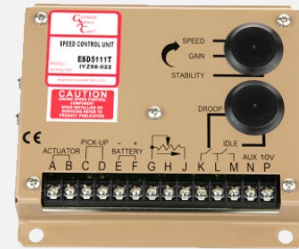
# V12-71, V8-92, and V12-92 ENGINES

## Generator

The Detroit Diesel 355 kW V12-71, 321 kW V8-92, and 522 kW V12-92 engines create powerful generators, The ADD225 actuator with support from the ESD5111 allow them to be fine tuned and settle with ease.



### ESD5111



### 225 SERIES



NOTE: All components are sold separately.

COMPONENT	PART NUMBER	DESCRIPTION
Speed Controller	<a href="#">ESD5111</a>	Multi-V DC, droop control, Adjustable PID, Speed ramping, Soft coupling
Actuator	<a href="#">ADD225</a>	Universal Actuator with internal return spring. 2.2 lbf-ft torque [3.0 N·m] and 25° rotation

# V16-71, V24-71, V16-92, V12-149, and V16-149 ENGINES

## Off Road Vehicle

The V16-71, V24-71, V16-92, V12-149, V16-149 Detroit Diesels are found in many construction and offroad products, from excavation to mining and hauling, these engines benefit from the GAC heavy duty ACB2001 actuator control. Reducing black smoke and supporting cold startup, GAC is there for your Detroit.



This external actuator solution makes a simple and easy to install retrofit.

**ESD5330**



**ACB2001**



**Mag Speed Pickup**



NOTE: All components sold separately.

COMPONENT	PART NUMBER	DESCRIPTION
Actuator	<a href="#">ACB2001</a>	24 V DC, Heavy duty, w/ lever, Terminal strip, Rapid response to transient conditions, Multiple mounting positions, Uni-directional CW/CCW, Internal return spring
Speed Controller	<a href="#">ESD5330</a>	24 V DC, Two-element speed switch,

# DETROIT DIESEL SERIES 60 (DDEC)

## Industrial – Gen Set

The GAC interface module EAM104 provides for isochronous parallel operation with GAC auto synchronizer and precision load sharing.



## EAM104



NOTE: All components are sold separately.

COMPONENT	PART NUMBER	DESCRIPTION
Interface Module	<a href="#">EAM104</a>	Detroit Diesel DDEC 3 Controller to GAC LSM/SYC interface.



# MTU 183 DIESEL-ELECTRIC LOCOMOTIVE

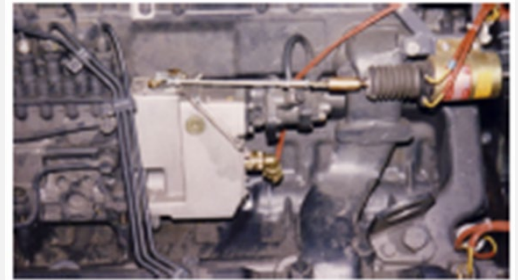
## Locomotive

This Zermatt-Bahn Cog Railway locomotive MTU 183, V-12, 21.93 L was looking for more power to make it up the mountain top. This diesel system with an inline pump required support for the variable 24 V DC system.

The GAC ACB275H supports an integral actuator solution and when combined with the SSW675 speed switch and the locomotive LCC109B power control provided the support it needed.



**ACB275H**



**SSW675**



**LCC109B**



NOTE: All components sold separately.

COMPONENT	PART NUMBER	DESCRIPTION
Speed Switch	<a href="#">SSW675</a>	2-Element Speed Switch: Overspeed, Crank
Actuator	<a href="#">ACB275H</a>	Integrated Pump Mounted Electric Actuator, Mounts Directly on Bosch P and RP21 fuel injection pumps in place of mechanical governor.
Accessory	<b>LCC109B</b>	Contact GAC directly. Locomotive only usage.