

# Woodward Mechanical Cabinet Actuator Parts

## Recommended Replacement Parts

- Emerson offers a complete line of new replacement parts – as well as many reconditioned parts and assemblies – for the rugged Woodward Mechanical Cabinet Actuator governor.
- Parts are often in stock or available with only a short lead time, which helps avoid unnecessary upgrades.
- A properly tuned and maintained Woodward Mechanical Cabinet Actuator governor provides excellent frequency regulation.



### Recommended and Available Parts:

Reference Number	WGC Part Number	Description
07079-408	70113	Speeder Rod – Ballhead Assy
07079-353	70143	Speed Changer – Speed Droop Lever
07079-342	70150	Lower Floating Lever
07079-341	70151	Upper Floating Lever
07079-34	70255	Pilot Valve Restoring Lever Pivot Pin
07079-46	70258	Relay Valve Pivot Pin w/ Flats
07079-391	70469	Upper Vibrator
07079-414	70592	Slide Block – Hex
07079-394	72525	Lower Vibrator
07079-8	76023	Pilot Valve Assembly – Matched Set
07079-20	76023	Pilot Valve Assembly – Matched Set
07079-123	180052	Dashpot Link Bearing
07079-397	180124	Ball Bearing, Ballarm and Rod
07079-421	180125	Spindle Bearing
07079-572	180212	Bearing – Eccentric Bushing
07079-575	180214	Bearing – Oil Motor Gears

Reference Number	WGC Part Number	Description
07079-118	183006	Dashpot Bushing, Small
07079-108	183007	Dashpot Bushing, Large
07079-418	183258	Upper Bushing – Ballhead
07079-409	183259	Lower Bushing – Ballhead, Large
07079-63	184024	Dashpot Pin – Large Rod End Pivot
07079-290	184090	Cotter Pin
07079-417	184090	Cotter Pin
07079-35	184164	Pilot Valve Pivot Pin
07079-114	184164	Dashpot Pin – Small Rod End Pivot
07079-400	184168	Slide Block Pin
07079-244	188195	Pivot Pin – 90K
07079-393	189467	1/4 Ball Bearings
07079-619	192240	Strap Spring
07079-154	206317	Filter Gasket – Strainer Case
07079-90	1355-029	“O” Ring, Dashpot Bypass Needle
07079-555	1355-103	“O” Ring, Dashpot Case Seal

#### Oil Motor Vibrator Assembly – 07079-574 – Replacement Parts

Reference Number	WGC Part Number	Description
07079-580	060104	Seal Ring
07079-579	224016	Gear – Oil Motor Internal
07079-577	184908	Drive Pin
07079-576	3039-638	Eccentric Shaft – Left Hand Drive – 6”- 10” Actuator
07079-576	3039-640	Eccentric Shaft – Right Hand Drive – 2”- 5” Actuator
07079-578	075438	Short Shaft
07079-575	180214	Bearing – Oil Motor Internal
07079-566	075441	Brass Pivot Lever
07079-644	3277-028	Bronze Bearing
07079-572	180212	Bearing – Eccentric Bushing
07079-570	183354	Eccentric Bushing
09041-24	060104	Seal Ring
09041-23	224016	Gear – Oil Motor Internal
09041-22	184908	Drive Pin
09041-20	3039-638	Eccentric Shaft – Left Hand Drive 6”- 10” Actuator
09041-20	3039-640	Eccentric Shaft – Right Hand Drive 2”- 5” Actuator
09041-21	075438	Short Shaft

Oil Motor Vibrator Assembly – 07079-574 – Replacement Parts		
Reference Number	WGC Part Number	Description
09041-19	180214	Bearing – Oil Motor Internal
09041-36	075441	Pivot Lever
09041-26	3277-028	Bronze Bearing
09041-38	180212	Bearing – Eccentric Bushing
09041-39	183354	Eccentric Bushing

Flow Regulator Assembly Replacement Parts / Post 1964 – Ref: 07079-645 P/N 078424		
Reference Number	WGC Part Number	Description
07079-646	182414	O-Ring
07079-647	1327-813	Pressure Spring
07079-648	1327-815	Diaphragm
07079-649	1327-810	Piston Assembly
07079-650	1327-817	Piston Spring
07079-651	1327-814	Strainer Screen
07079-652	1355-220	Bottom Plug Gasket
07079-653	1327-811	Bottom Plug Assembly

Flow Regulator Assembly Replacement Parts / Prior to 1964 – Ref: 07079-645 P/N 078424		
Reference Number	WGC Part Number	Description
07079-591	182621	O-Ring
07079-593	182397	O-Ring
07079-595	182599	O-Ring
07079-597	076184	Pressure Regulating Valve
07079-598	076196	Gasket

Dashpot Assembly Replacement Parts		
Reference Number	WGC Part Number	Description
07079-62	184015	Cotter Pin
07079-63	184024	Large Rod end Pivot Pin
07079-69	202182	Solenoid Coil 125VDC
07079-69	202183	Solenoid Coil 250VDC
07079-72	186251	Soldering Shield Washer
07079-74	182366	O-Ring
07079-77	183271	Oilite Bushing
07079-80	091135	Solenoid Bracket Gasket
07079-83	012783	Diaphragm Assembly
07079-84	191702	Diaphragm Plunger Spring

Dashpot Assembly Replacement Parts		
Reference Number	WGC Part Number	Description
07079-85	091175	Check Valve
07079-90	182403	O-Ring
07079-99	091133	Solenoid Valve Case Gasket
07079-100	187010	Oil Cup
07079-103	020036	Small Dashpot Plunger
07079-104	020034	Large Dashpot Plunger
07079-105	191452	Large Plunger Spring
07079-106	020100	Dashpot Needle
07079-107	070071	Mechanical Bypass Rod
07079-108	183007	Oilite Bushing
07079-111	191141	Bypass Rod Spring
07079-112	191298	Small Plunger Spring
07079-114	184164	Small Rod End Pin
07079-115	184015	Cotter Pin
07079-118	183006	Oilite Bushing
07079-121	020046	Cut Out Arm
07079-122	020081	Connecting Link
07079-123	180052	Ball bearing-Dashpot Link
07079-555	182405	O-Ring

## Technical Support and Field Service Available

Is your governor hunting? Are you having trouble synchronizing? Do the gates drift while on-line? Emerson can help; our deeply experienced, OEM-trained field service engineers are ready to answer any maintenance questions you may have and can be dispatched to your site on short notice for anything from routine troubleshooting, tuning, and calibration to a complete governor overhaul.

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