



June 1, 1988  
 Supersedes Service Guide 8700,  
 page 1, dated February 24, 1986  
 Prices effective June 1, 1988;  
 Subject to change without notice.  
 Discount Symbol C-85  
 (Selling Policy 7000)  
 Mailed to: E, D/8700A

Accutrol Adjustable Frequency Controllers

## Technical Assistance/ Accutrol Startup

### I. Why Use this Service<sup>Ⓞ</sup>

Westinghouse recognizes that Accutrol users, or the user's agents, do not always have the necessary up-to-date technical expertise available when needed to assure efficient, on-time and correct startup and pilot operation of Ac Adjustable Frequency controllers. The risk of startup delays caused by wiring errors, procedural mistakes, manpower scheduling and non-optimum adjustments can result in overall project delays, cost overruns, and less than expected process performance.

### II. Description<sup>Ⓞ</sup>

To help users avoid these situations, Westinghouse recommends a special startup service for all Accutrol products, consisting of the following technical assistance (Refer to Service Policy SA 11423 for additional details):

1. Electrical and mechanical inspection of the Accutrol after it is installed and wired per the Accutrol drawings.
2. Final application related adjustments of standard features such as speed range, acceleration/deceleration, voltage boost, volts/hertz, plus an operational check of starting, stopping, interlocking and sequencing per the Accutrol Instruction Manual and drawings.
3. Operational check and adjustment for standard purchased options such as bypass, braking, process follow, line synchronizer, critical speed lockout, master reference, process output and the Service Analyzer.
4. Checkout of spare parts if purchased and available during startup.
5. Formal report and record listing (a) equipment as found, (b) technical assistance rendered, (c) final controller settings, and (d) final recommendations to user.

### III. Pricing (Discount Symbol C85)<sup>Ⓞ</sup>

1. This service is provided on a per unit basis by Westinghouse qualified startup engineers. Prices are by Accutrol type and horsepower rating.
2. Prices shown are based on standard straight time workdays and include one continuous customer scheduled startup. Customer requirements for multiple trips will be billed as separate startups. Premium charges for weekend, holiday, or overtime in excess of an eight (8) hour day will be billed at premium rates in effect at time of service.
3. Where customers specify or require per diem rates for startup a rate of \$880 per day will apply for all time worked or traveled per eight hour weekday or fraction thereof (Monday through Friday). All hours worked or traveled in excess of eight hours per weekday and all hours on Saturdays, Sundays, and Holidays will be billed at the applicable hourly overtime rates. Additional distance charges per Note III-4 apply.
4. Prices shown are for service performed within a 50 mile radius of the nearest service location listed on page 3 of this service guide. A mileage charge in effect at time of service, per 25 miles, or fraction thereof,

will be billed for travel to sites outside the 50 mile service radius.

5. This service extends the standard Accutrol parts only warranty from 12 months to 24 months from date of shipment. The startup spare parts purchased on the same order will also be warranted for 24 months from date of shipment. "Repair or replacement labor by a Westinghouse Service Engineer is included during startup only."
6. Prices shown apply to startup purchased at the same time and on the same order as Accutrol equipment. Startup purchased after equipment is shipped will be priced at a 25% premium. Startup service is not available for previously energized controllers.
7. All services performed outside the scope, as listed in section II, will be performed with written authorization of customer or the on site representative. Charges for these additional technical services will be billed at the applicable rate in effect at time of service. Additional terms and conditions per Westinghouse selling policy 7000.
8. Continental U.S.A. only. Outside continental U.S.A. refer to Westinghouse for pricing.

Accutrol Type	HP	List Prices <sup>Ⓞ</sup> <sup>Ⓞ</sup>			
		First Unit	Each Add'l. Unit	Additional Technical Service	Mileage Charge
A110	All	\$500	\$ 80	\$92 hr.	\$98 per 25 miles or fraction
A150/200	3-25	500	80		
A150/200	30-75	500	170		
A200	100 and over	500	170		
A300	7.5-125	500	225		
A300	150 and over	500	450		

● Largest HP on multiple unit start-up is to be considered first unit. All remaining units to be priced from additional unit column by HP rating.

Ⓞ Changed or added since previous issue.



## Technical Assistance/Accutrol Startup

### IV. Explanation of Customer Requirements<sup>Ⓞ</sup>

These prices are based on the Accutrol(s) and associated motor(s) and driven process equipment being in ready-to-run condition, including (Refer to Service Policy SA 11423 for additional details):

1. Power, control, sequencing and process signals are available and connected to the Accutrol.
2. Motors are installed, wired, and coupled to the process.
3. Customer personnel will be available to assist in operation of equipment and will provide necessary instrumentation, drawings and instruction manuals for all related equipment.
4. Customer drawings showing location and operation of any additional hardware are available.
5. Waiting or standby time and return trips may be required if those conditions are not possible and, therefore, will be considered as additional charges and billed at the applicable rate in effect at time of service. Travel time and expenses will be billed for return trips.
6. Provide a minimum 2 week written notice of required startup date. Less than 2 week notification may result in an extra service charge.

**Note:** Westinghouse cannot take responsibility for operation of the overall system and application. It is expected that the customer or his agents will have qualified personnel available with the necessary knowledge and authority regarding performance of the overall system and application so that the Accutrol can be adjusted for optimum performance.

### V. Westinghouse Can Also Provide The Following Additional Technical Assistance. Refer to Westinghouse for Pricing.<sup>Ⓞ</sup>

#### 1. Pre-startup

- Recommendations on spare parts, if not purchased with the original equipment.
- Equipment inspection on receiving.
- Recommendations for storage and installation, including environments, checks and wiring practices.

#### 2. Post-startup

- Standby service after equipment is operating.
- On-site training in maintenance and troubleshooting.
- Periodic site visits to assist in resolving questions, performance and maintenance.
- Preventive maintenance programs.

<sup>Ⓞ</sup> Changed since previous issue.



June 1, 1988  
New Information  
Mailed to: E, D/8700A

Accutrol Adjustable Frequency Controllers

## Service Locations

**Atlanta, Georgia**  
1299 Northside Drive, N.W.  
Atlanta, GA 30318

**Boston, Massachusetts**  
10 California Avenue  
Framingham, MA 01701

**Chicago, Illinois**  
16750 Chicago Avenue  
Lansing, IL 60438

**Dallas, Texas**  
8400 John W. Carpenter  
Dallas, TX 75247

**Honolulu, Hawaii**  
1030 Mapunapuna Street  
Honolulu, HI 96804

**Los Angeles, California**  
18020 S. Santa Fe Ave.  
Compton, CA 90221

**Mobile, Alabama**  
1125 Corporate Dr., North  
Suite 205  
Mobile, AL 36607

**Omaha, Nebraska**  
7100 West Center Road  
Omaha, NE 68106

**Phoenix, Arizona**  
1824 E. Jefferson Street  
Phoenix, AZ 85034

**St. Louis, Missouri**  
2060 Craigshire Road  
St. Louis, MO 63146

**San Francisco, California**  
2470 Estand Way  
Pleasant Hill, CA 94523

**Tampa, Florida**  
3018 US Highway 301 North  
Suite 1000  
Tampa, FL 33619

**Baltimore, Maryland**  
6480-B Dobbin Road  
Columbia, MD 21405

**Buffalo, New York**  
700 Ellicott Square Bldg.  
Buffalo, NY 14203

**Cincinnati, Ohio**  
7710 Reading Road  
Cincinnati, OH 45222

**Denver, Colorado**  
1500 W. Hampden Avenue  
Englewood, CO 80110

**Houston, Texas**  
5722 Clinton Drive  
Houston, TX 77020

**Milwaukee, Wisconsin**  
205 Bishops Way  
Elm Grove, WI 53122

**New Orleans, Louisiana**  
3500 N. Causeway Blvd.  
Metairie, LA 70002

**Peoria, Illinois**  
7000 S.W. Adams Street  
Peoria, IL 61607-0184

**Pittsburgh, Pennsylvania**  
230 Alpha Drive  
Pittsburgh, PA 15238

**Salt Lake City, Utah**  
1290 West 2320 South  
Suite D  
West Valley City, UT 84119

**Seattle, Washington**  
1180 Andover Park West  
Seattle, WA 98188

**Birmingham, Alabama**  
133 West Oxmoor Road  
Suite 205  
Birmingham, AL 35209

**Charlotte, North Carolina**  
2001 W. Morehead Street  
Charlotte, NC 28208

**Cleveland, Ohio**  
4590 West 160th Street  
Cleveland, OH 44135

**Detroit, Michigan**  
24700 Eleven Mile Road  
Southfield, MI 48037

**Kansas City, Kansas**  
8900 Indian Creek Parkway  
Building 6, Suite 200  
Overland Park, KS 66210

**Minneapolis, Minnesota**  
3501 S. Highway 100  
Minneapolis, MN 55416

**Hillside, New Jersey**  
1447 Chestnut Avenue  
Hillside, NJ 07205

**Philadelphia, PA**  
5081 West Chester Pike  
Edgemont Plaza, Bldg. C  
Edgemont, PA 19028

**Richmond, Virginia**  
471 Southlake Boulevard  
Richmond, VA 23236

**San Diego, California**  
5450 Complex Street  
Suite 309  
San Diego, CA 92123

**Syracuse, New York**  
6770 Old Collamer Road  
East Syracuse, NY 13057



## Service Locations

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Westinghouse Electric Corporation  
Distribution and Control Business Unit  
Electrical Components Division  
Oldsmar, Florida, U.S.A. 34677



**Westinghouse Electric Corporation**  
Distribution and Control Business Unit  
Electrical Components Division  
Oldsmar, Florida, U.S.A. 34677

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## **Preventive Maintenance Accutrol**

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**Refer to Division**

www.ElectricalPartManuals.com



## Preventive Maintenance Accutrol