



May 1980
New Information and
Supplements I.B. 33-790-1E

Low-Voltage Power Circuit Breakers Types DS and DSL

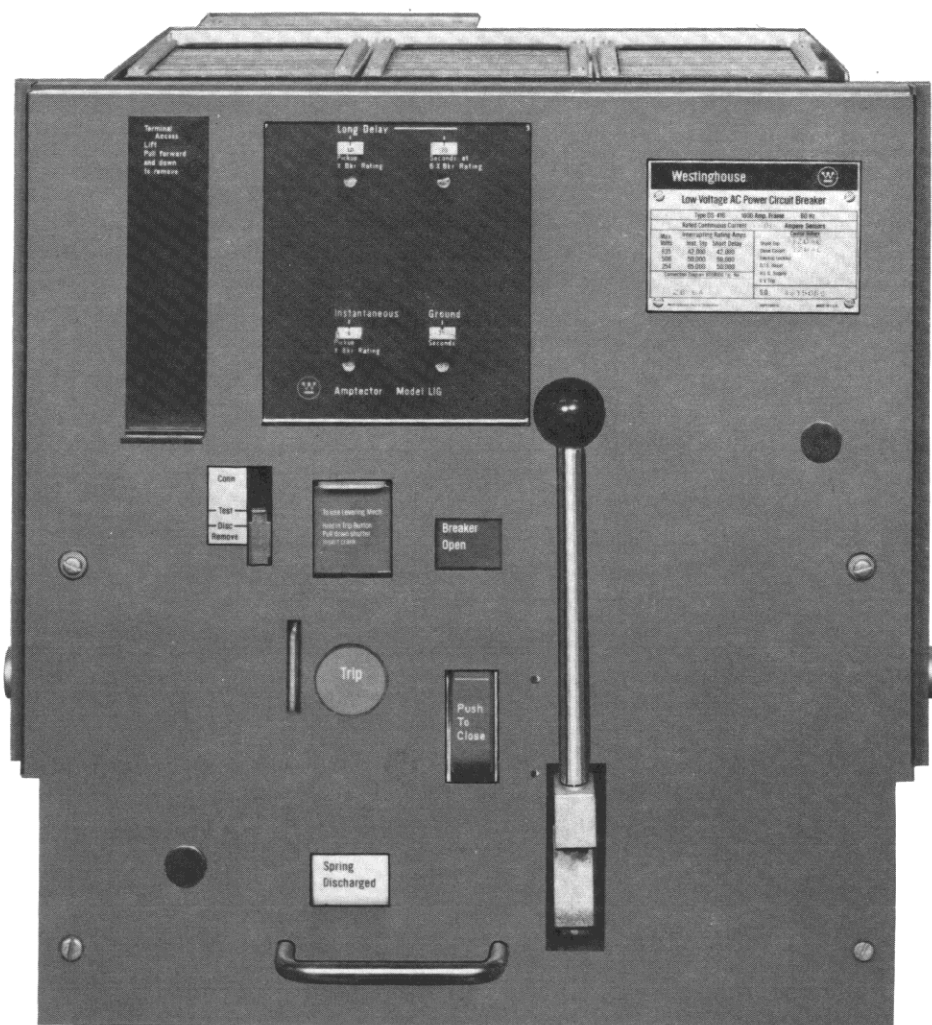
The following breakers are included in
R.P.D. 33-790-1E *

Breaker Type	Frame Size Amperes
DS-206	800
DSL-206	800
DS-206S	800
DS-416	1600
DSL-416	1600
DS-416S	1600
DS-420	2000
DS-632	3200
DS-840	4000

*Data applies to Drawout Breakers only.

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Parts Identification

Renewal Parts Data 33-790-1E is supplementary information to Instruction Book 33-790-1E, *Instructions for Low Voltage Power Circuit Breakers Types DS and DSL*. The illustrations in this Renewal Parts Data show parts and sub-assemblies which are identified by name and style number in the associated tabulations. Additional information and illustrations are shown in the figures in I.B. 33-790-1E, which show many sub-assemblies and detail parts in order to illustrate their function and location in the assembly. Some of the detail parts shown in the instruction book are recommended only as part of a sub-assembly to facilitate their replacement or installation in the field. The availability of parts and sub-assemblies is indicated by style number in the following data.

If the item in question cannot be identified by style number, refer to the Figure number, name and item number as shown in this RPD (or I.B. 33-790-1E) along with the breaker type and its shop order number or style number as shown on the nameplate on the front cover of the circuit breaker.

The above nameplate information will also be required when adding components, which are not direct replacements, to a circuit breaker.

RECOMMENDED SPARE PARTS

Spare parts recommended for stocking are indicated in the following data by the symbol ®. An adequate stock of spare parts will help minimize emergency situations and can substantially reduce production down time.

The amount of investment to be made in spare parts stock can be dependent on a number of individual factors. The items recommended and the quantities specified below are intended as a guide.

For 1 to 5 Breakers—Items marked ® in sufficient quantity for one breaker.

For 5 to 10 Breakers—Items marked ® in sufficient quantity for two breakers.

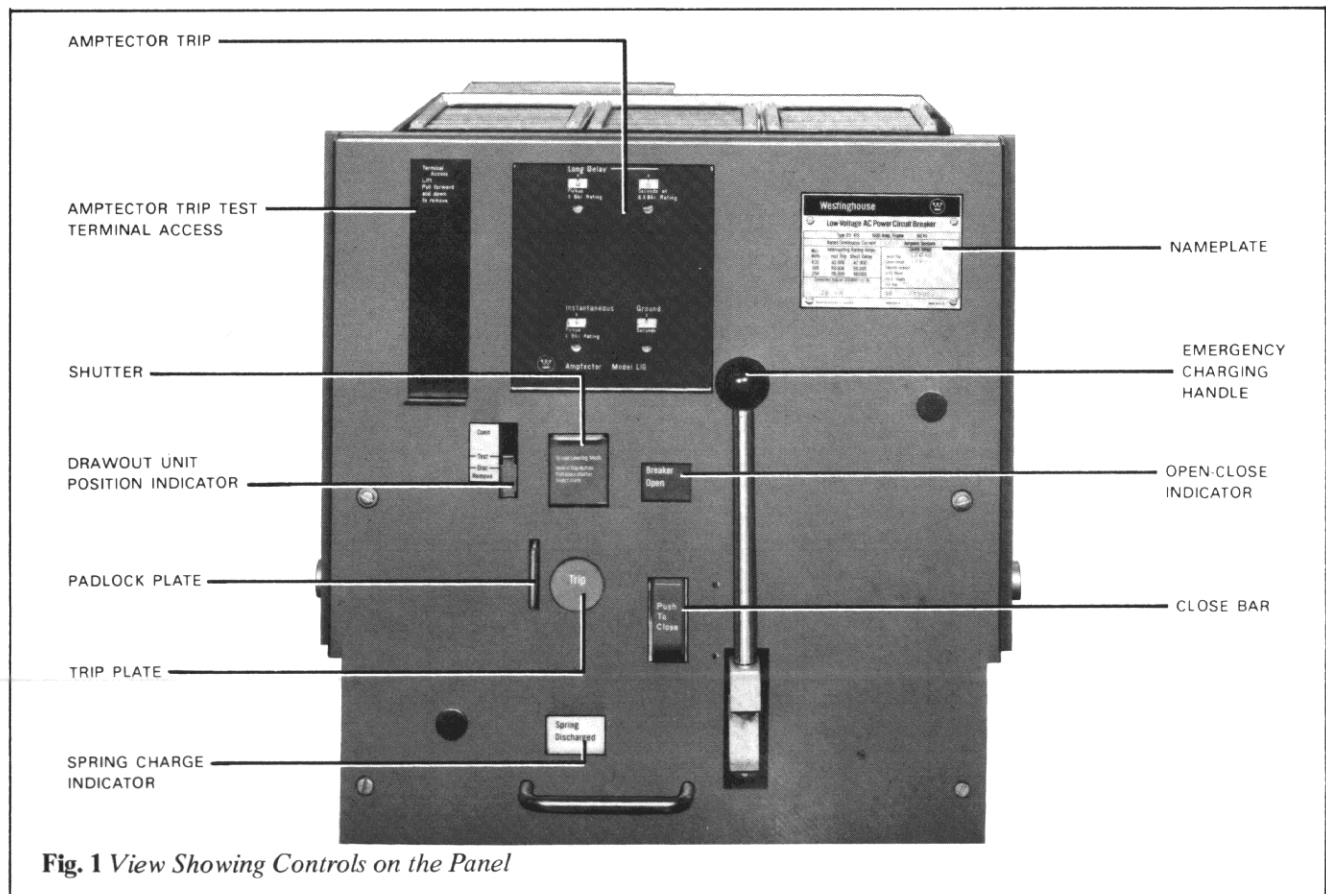
Over 10 Breakers—One spare complete breaker, plus recommended spare parts for one breaker.

ORDERING INFORMATION

1. Name item and give its style number. Specify quantity desired.
2. State method of shipment desired.
3. Send all orders or correspondence to nearest Westinghouse Sales Office.

PRICING INFORMATION

Many of the style numbers in this data are listed in Price and Entry Guide 120 and PL 121.



Items Common to All Breaker Types

AUXILIARY SWITCHES—FIGURE NO. 2

When replacing an existing auxiliary switch, order basic switch assembly style 449D622A01 which includes 2 “a” and 2 “b” contacts. Style 449D622A01 is suitable as a replacement on all breakers except those equipped with mechanical interlocks, and those wired per diagram figures 10D, 10E, 10F and 10G.

When adding auxiliary switches to an existing breaker, specify the number of switches required together with the nameplate information as itemized on page 2.

SECONDARY DISCONNECTING CONTACTS—FIGURE NO. 3

When replacing an existing disconnecting contact, order style 591C498G06 which includes an 8 point block plus mounting hardware.

When replacing an existing disconnecting contact cover, order style 588C729G02.

When adding secondary disconnecting contacts to an existing breaker, specify the number of upper contacts and the number of lower contacts together with the nameplate information as itemized on page 2.

TYPE DS CIRCUIT BREAKER FASTENER KIT

Includes an assortment of retaining rings, truarc rings, “E” rings and “X” washers in a plastic bag.

Style 3586A86G01

Recommended spares:

- 1 for one breaker
- 2 for two to five breakers
- 3 for six to twenty breakers
- 4 for over twenty breakers

STANDARD HARDWARE

Standard hardware such as bolts, nuts, washers, etc. are not listed in this data. Such items should be purchased locally. **Note:** Bolts holding copper details together in the pole unit, and bolts holding levering in cranks should be SAE Grade 5.

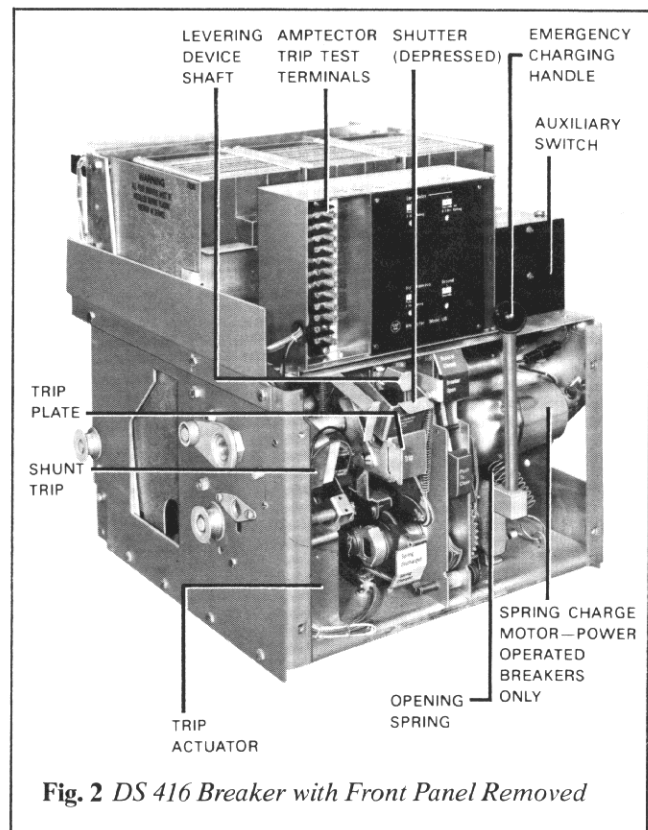


Fig. 2 DS 416 Breaker with Front Panel Removed

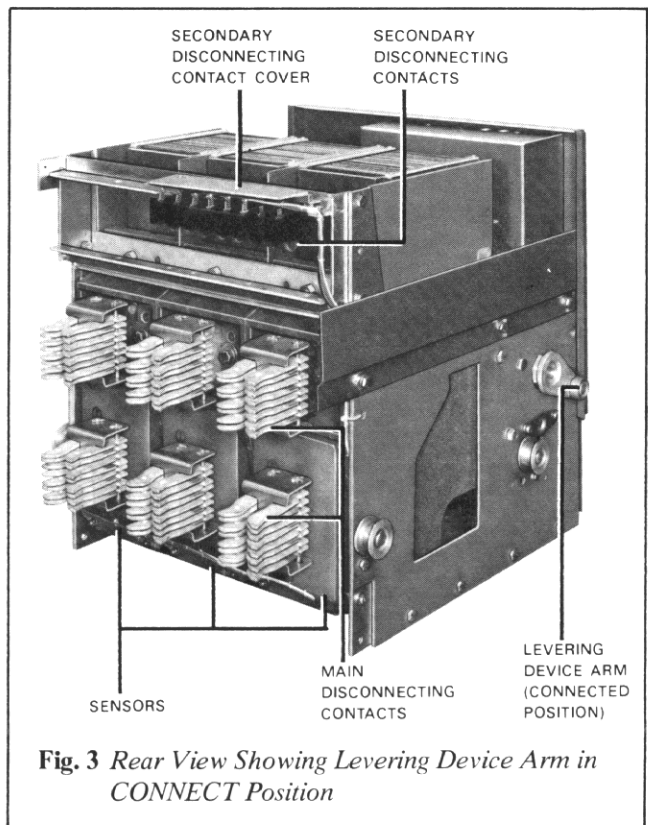


Fig. 3 Rear View Showing Levering Device Arm in CONNECT Position

Type DS-206, DSL-206 and DS-206S Pole Unit

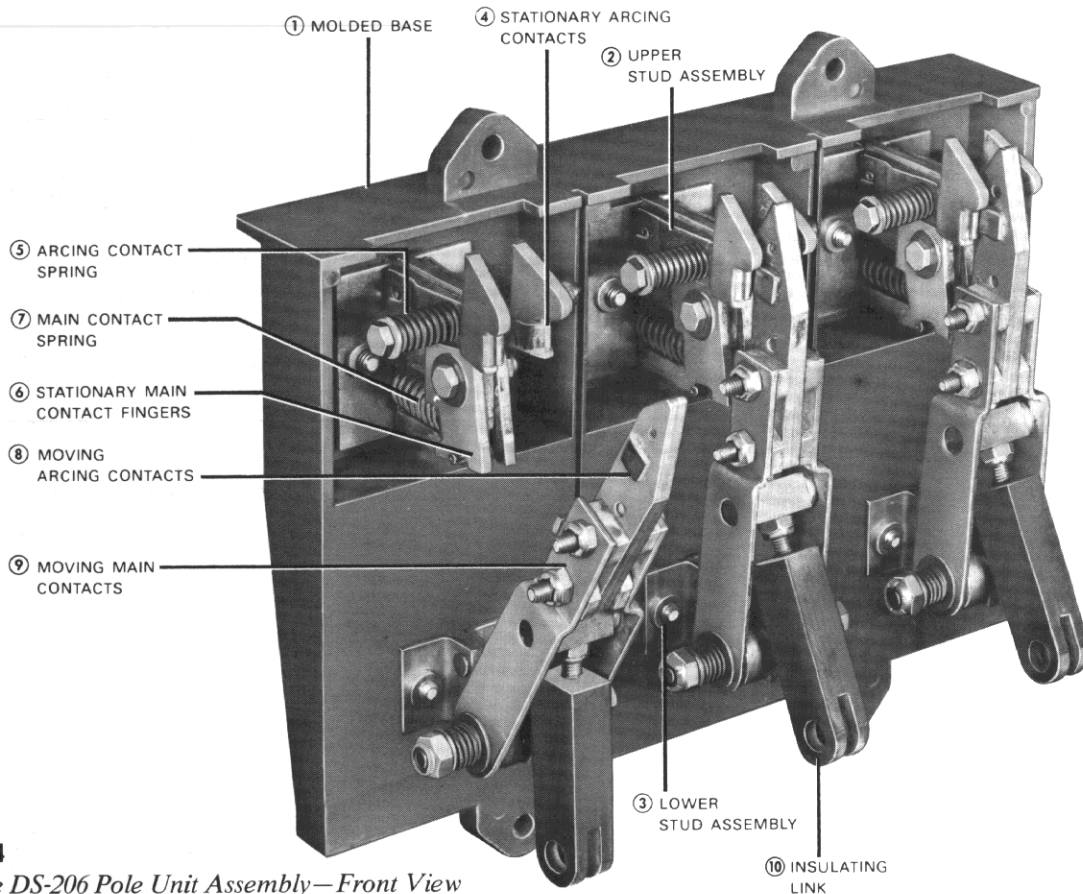


Fig. 4
Type DS-206 Pole Unit Assembly—Front View

			DS-206		DSL-206 ⁽¹⁾		DS-206S ⁽²⁾	
Description	Fig. No.	Item No.	No. Req. Per Bkr.	Style Number	No. Req. Per Bkr.	Style Number	No. Req. Per Bkr.	Style Number
Three Pole Unit Assembly Complete	4	—	1	140D152G01	1	140D152G03	1	9145D41G01
Following are included in Three Pole Unit Assembly:								
Molded Base	4	1	1	140D150H01	1	140D150H01	3	553F204H01
Upper Stud Assembly	4	2	3	591C653G01	3	591C653G03	3	592C928G01
Lower Stud Assembly	4	3	3	591C652G01	3	591C652G03	3	592C927G01
Following are included in Upper Stud Assembly:								
Stationary Arcing Contact—R.H.	4	4	3 ®	503B025G01	3 ®	503B025G01	3 ®	503B025G01
Stationary Arcing Contact—L.H.	4	4	3 ®	503B025G02	3 ®	503B025G02	3 ®	503B025G02
Stationary Arcing Contact Spring	4	5	6 ®	503B027H01	6 ®	503B027H01	6 ®	503B027H01
Stationary Main Contact Finger	4	6	6 ®	809A263G01	6 ®	809A263G01	12 ®	809A263G01
Stationary Main Contact Spring	4	7	3 ®	503B027H08	3 ®	503B027H08	6 ®	503B027H08
Following are included in Lower Stud Assembly:								
Moving Arcing Contact	4	8	3 ®	591C651G02	3 ®	591C651G02	3 ®	591C651G02
Moving Main Contact	4	9	6 ®	591C651G01	6 ®	591C651G01	12 ®	591C651G01
Insulating Link Assembly	4	10	3	788A588G01	3	788A588G01	3	788A588G03
Main Disconnecting Contact Assembly (not included in Pole Unit Assembly)	3	—	6	591C655G02	6	591C655G02	6	591C655G03

® Recommended Spare—See page 2.

(1) See page 16 figure 32 for illustration of the DSL-206.

(2) The DS-206S pole unit is not illustrated. The DS-206S pole unit assembly is similar to the DS-416 with the upper and lower stud assemblies mounted on a separate molded base for each pole rather than a common base for the three poles.

Type DS-416, DSL-416, DS-416S and DS-420 Pole Unit

DS-416 Pole Unit is illustrated. DS-416S and DS-420 Pole Unit Assemblies are similar

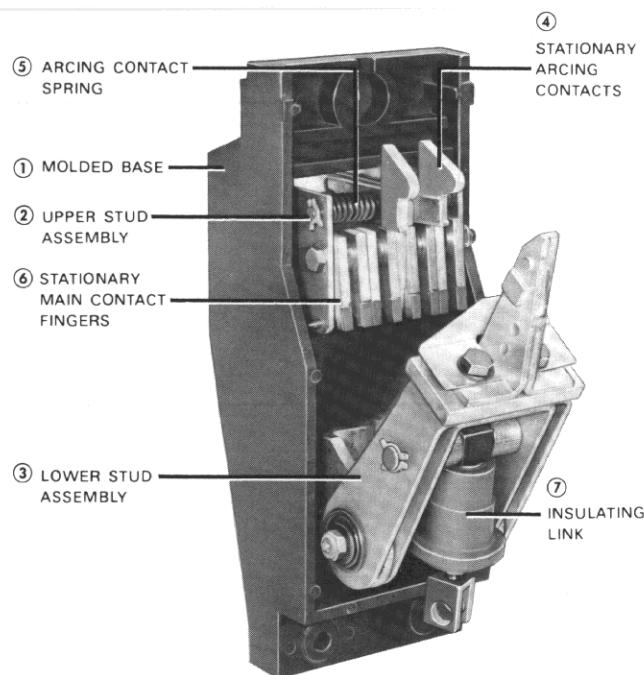


Fig. 5
Type DS-416 Pole Unit Assembly—Front View

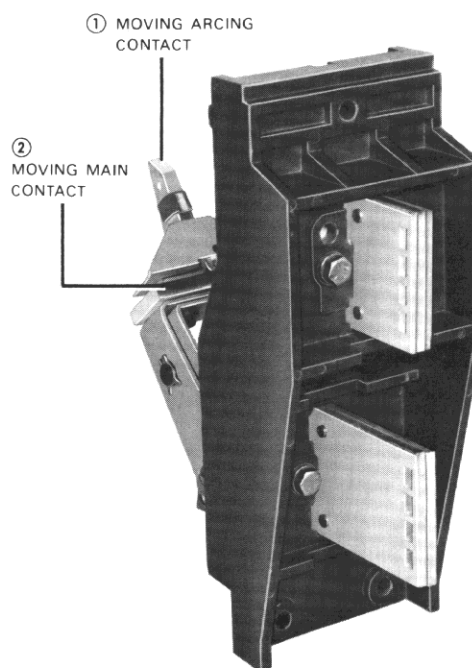


Fig. 6
Type DS-416 Pole Unit Assembly—Rear View

			DS-416		DSL-416 ⁽¹⁾		DS-416S and DS-420	
Description	Fig. No.	Item No.	No. Req. Per Bkr.	Style Number	No. Req. Per Bkr.	Style Number	No. Req. Per Bkr.	Style Number
Single Pole Unit Assembly Complete	5-6	—	3	151D064G01	3	151D065G01	3	151D065G02
Following are included in Single Pole Unit Assembly:								
Molded Base	5	1	3	553F204H01	3	553F204H01	3	553F204H01
Upper Stud Assembly	5	2	3	591C750G02	3 ®	139D635G01	3 ®	139D635G02
Lower Stud Assembly	5	3	3	126D298G06	3	139D633G04	3 ®	139D633G05
Following are included in Upper Stud Assembly:								
Stationary Arcing Contact—R.H.	5	4	3 ®	503B025G01	3 ®	503B025G01	3 ®	503B025G01
Stationary Arcing Contact—L.H.	5	4	3 ®	503B025G02	3 ®	503B025G02	3 ®	503B025G02
Stationary Arcing Contact Spring	5	5	6 ®	503B027H01	6 ®	503B027H01	6 ®	503B027H01
Stationary Main Contact Finger	5	6	24 ®	809A263G01	36 (2)	809A263G01	36 (2)	809A263G01
Stationary Main Contact Spring—Outer			12 ®	503B027H05	12 (2)	503B027H05	12 (2)	503B027H05
Stationary Main Contact Spring—Inner			—		12 (2)	503B027H10	12 (2)	503B027H10
Following are included in Lower Stud Assembly:								
Moving Arcing Contact	6	1	3 ®	503B022G01	3 ®	503B022G01	3 ®	503B022G01
Moving Main Contact	6	2	3 ®	665A321G01	3 ®	795A769G01	3 (3)	795A769G01
Insulating Link Assembly	5	7	3	436B450G02	3	436B450G02	3	436B450G02
Main Disconnecting Contact Assembly (not included in Pole Unit Assembly)	3	—	6	682C347G01	6	682C347G01	6	590C804G01

® Recommended Spare—See page 2.

(1) See page 16 figure 33 for illustration of the DSL-416.

(2) Assembly of the stationary main contact fingers and inner and outer springs is difficult. The Upper Stud Assembly is recommended for the DSL-416, DS-416S and DS-420.

(3) Changing the moving main contact is complicated because of a drilling and pinning operation. The Lower Stud Assembly is recommended for the DS-416S and DS-420.

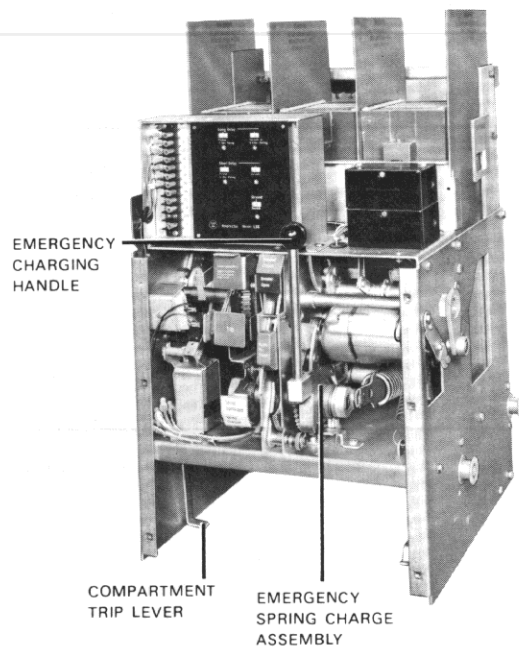


Fig. 7 DS-632 Breaker with Front Panel Removed

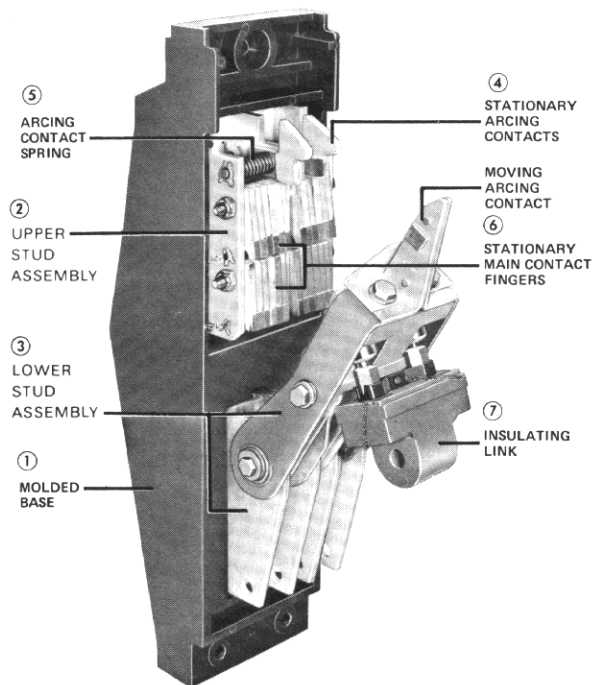


Fig. 8 Type DS-632 Pole Unit Assembly—Front View

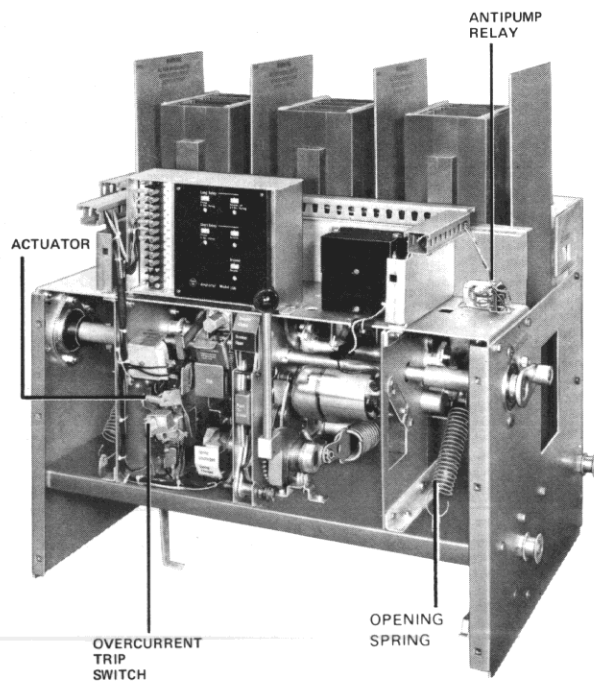


Fig. 10 DS-840 Breaker with Front Panel Removed

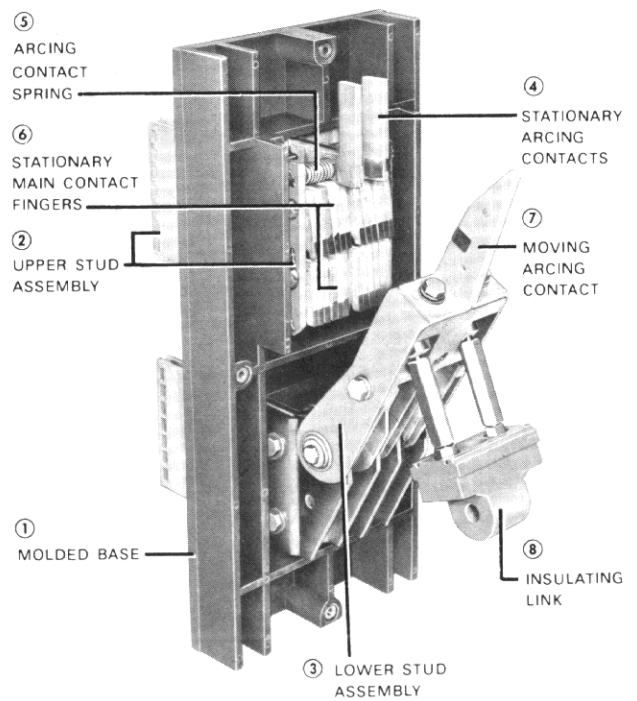


Fig. 11 Type DS-840 Pole Unit Assembly—Front View

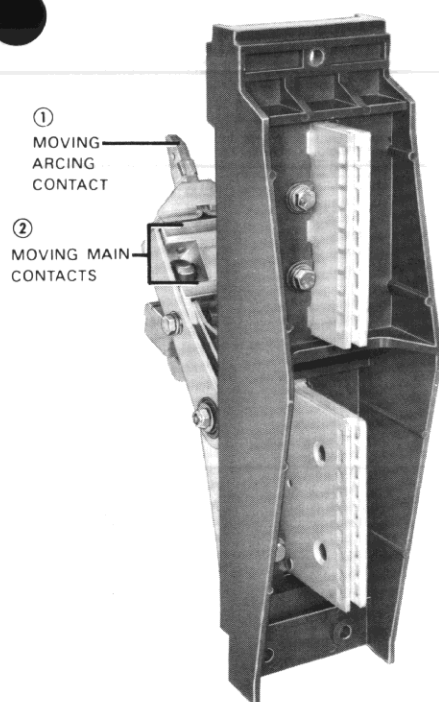


Fig. 9 Type DS-632 Pole Unit Assembly—Rear View

Type DS-632 Pole Unit

Description	Figure Number	Item No.	Number Required Per Bkr.	Style Number
Single Pole Unit Assembly Complete	8-9	—	3	567F962G01
Following are included in Single Pole Unit Assembly:				
Molded Base	8	1	3	553F205H01
Upper Stud Assembly	8	2	3 ®	126D299G02
Lower Stud Assembly	8	3	3 ®	140D091G05
Following are included in Upper Stud Assembly:				
Stationary Arcing Contact—R.H.	8	4	3 ®	588C736G01
Stationary Arcing Contact—L.H.	8	4	3 ®	588C736G02
Stationary Arcing Contact Spring	8	5	6 ®	503B027H01
Stationary Main Contact Finger	8	6	72 (1)	809A263G01
Stationary Main Contact Spring—Outer			24 (1)	503B027H05
Stationary Main Contact Spring—Inner			24 (1)	503B027H10
Following are included in Lower Stud Assembly:				
Moving Arcing Contact	9	1	3 ®	588C735G01
Moving Main Contact	9	2	3 (2)	794A105G01
Insulating Link Assembly	8	7	3	680C792G03
Main Disconnecting Contact Assembly (not included in Pole Unit assembly)	3	—	6	682C347G02

Type DS-840 Pole Unit

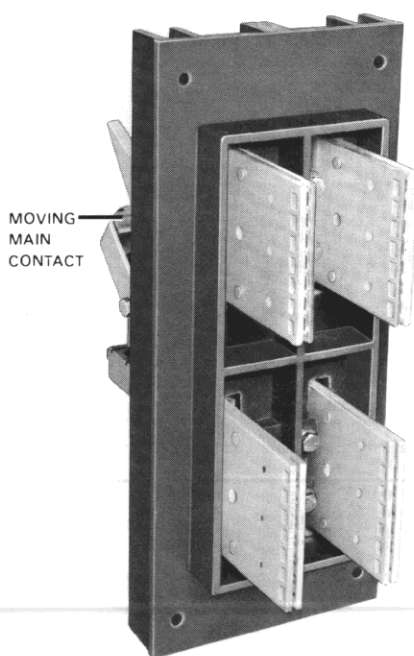


Fig. 12 Type DS-840 Pole Unit Assembly—Rear View

Description	Figure Number	Item No.	Number Required Per Bkr.	Style Number
Single Pole Unit Assembly Complete	11-12	—	3	567F991G03
Following are included in Single Pole Unit Assembly:				
Molded Base	11	1	3	567F501G01
Upper Stud Assembly	11	2	3 ®	140D779G01
Lower Stud Assembly	11	3	3 ®	140D778G01
Following are included in Upper Stud Assembly:				
Stationary Arcing Contact—R.H.	11	4	3 ®	588C736G01
Stationary Arcing Contact—L.H.	11	4	3 ®	588C736G02
Stationary Arcing Contact Spring	11	5	6 ®	503B027H01
Stationary Main Contact Finger	11	6	72 (1)	809A263G01
Stationary Main Contact Spring—Outer			24 (1)	503B027H05
Stationary Main Contact Spring—Inner			24 (1)	503B027H10
Following are included in Lower Stud Assembly:				
Moving Arcing Contact	11	7	3 ®	588C735G01
Moving Main Contact	12	—	3 (2)	794A105G01
Insulating Link Assembly	11	8	3	680C792G04
Main Disconnecting Contact Assembly (not included in Pole Unit assembly).	3	—	12	591C100G01

® Recommended Spare—See page 2.

(1) Assembly of the stationary main contact fingers and inner and outer springs is difficult. The Upper Stud Assembly is recommended.

(2) Assembly of the moving main contact is difficult. The Lower Stud Assembly is recommended.

Arc Chutes and Barriers

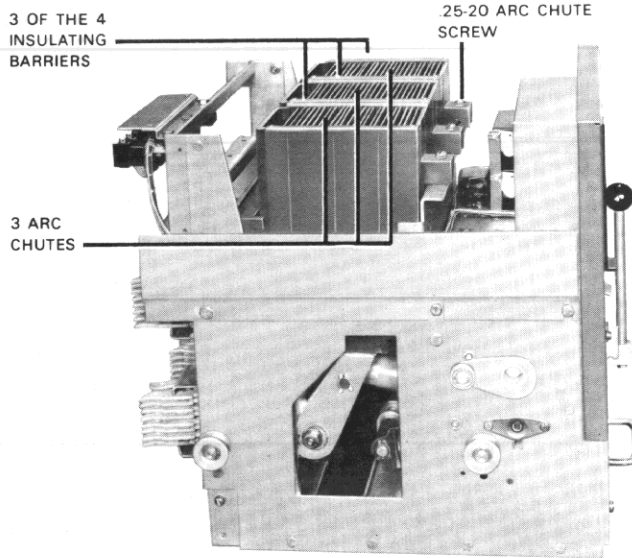


Fig. 13 Breaker with Barrier Removed to Show Mounting of Arc Chutes

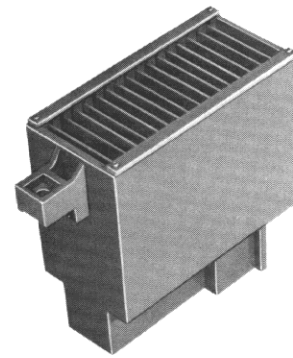


Fig. 14 DS-206 Arc Chute

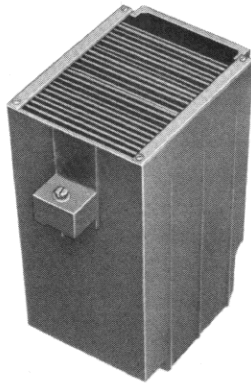


Fig. 15 DS-206S, DS-416
DS-416S, DS-420
Arc Chute

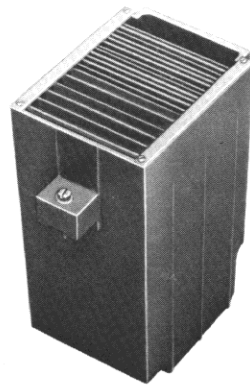


Fig. 16 DS-632 Arc Chute

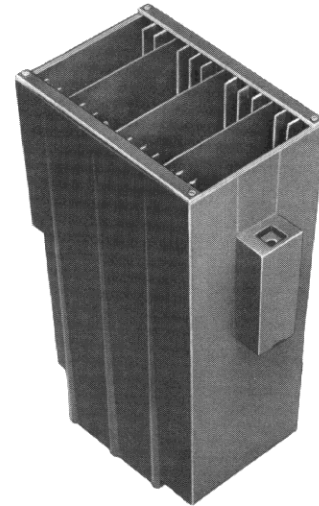


Fig. 17 DS-840 Arc Chute

Breaker Type	Assembled Arc Chute and Mounting Screw			Removable Insulating Barriers — Fig. 13			
	Figure Number	Number Required Per Breaker	Style Number	Outer		Inner	
				Number Required Per Breaker	Style Number	Number Required Per Breaker	Style Number
DS-206 DSL-206	14	3	449D508G01	2	349A578H01	2	788A586H01
DS-206S DS-416 DSL-416 DS-416S DS-420	15	3	151D018G01	2	349A578H01	2	349A578H01
DS-632	16	3	151D018G02	2	436B108H02	2	436B108H01
DS-840	17	3	140D164G01	2	803A735H01	2	803A735H01

Levering Mechanism

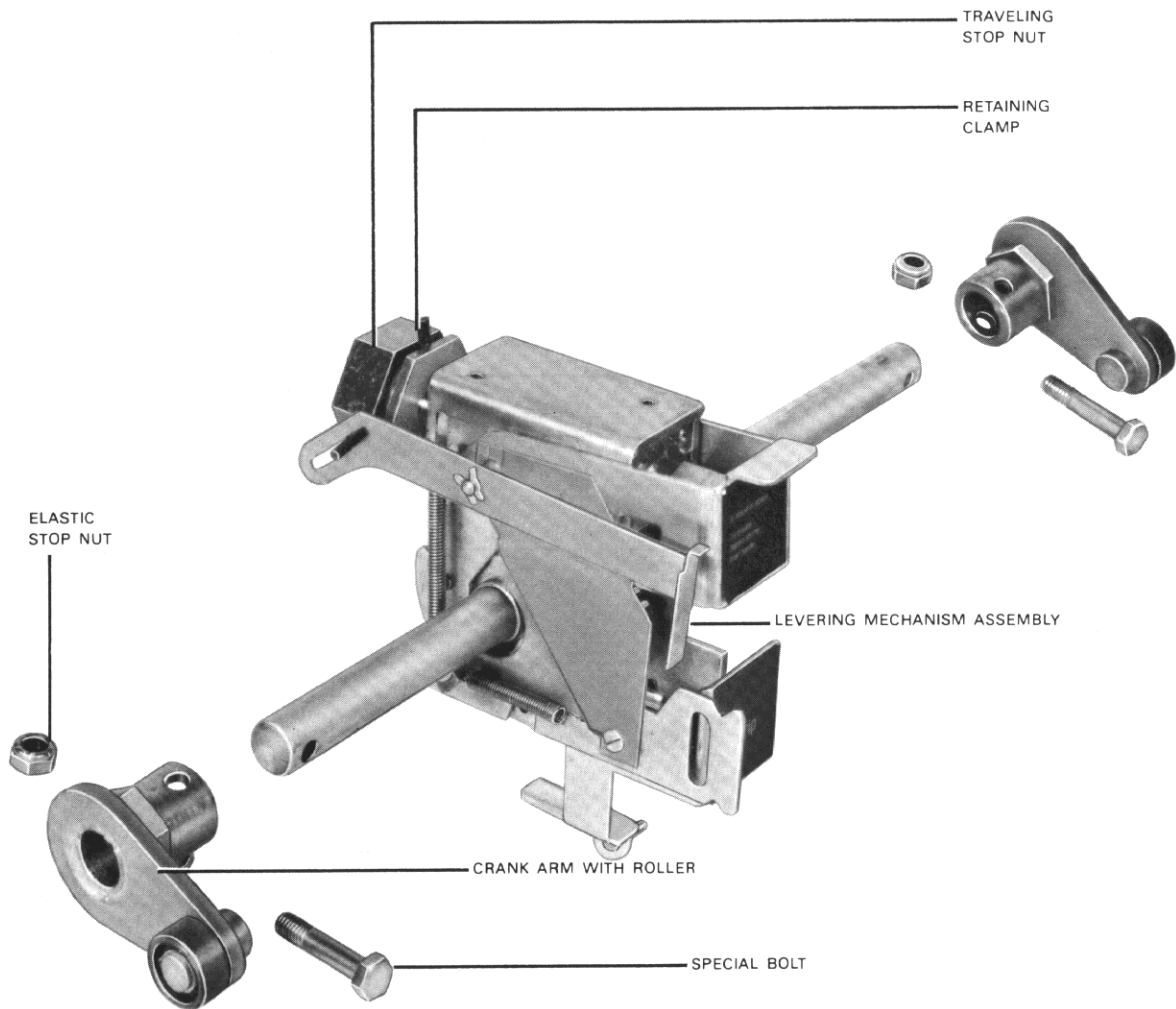


Fig. 18 Levering Mechanism

Levering Mechanism — Fig. 18

Description	Number Required per Breaker	All Type DS/DSL except DS-840	DS-840
		Style Number	Style Number
Levering Mechanism Assembly	1	449D224G04	449D224G05
Following are included in Assembly:			
Traveling Stop Nut	1	791A674H01	791A674H01
Retaining Clamp	1	791A679H01	791A679H01
Following are not included in Assembly:			
Crank Arm with Roller	2	786A586G01	567F993G02
Special Bolt	2 (1)	794A024H01	794A024H01 (1)
Elastic Stop Nut	2 (1)	70220ERN18	70220ERN18 (1)

(1) For DS-840 four are required per breaker.

Mechanism and Related Parts

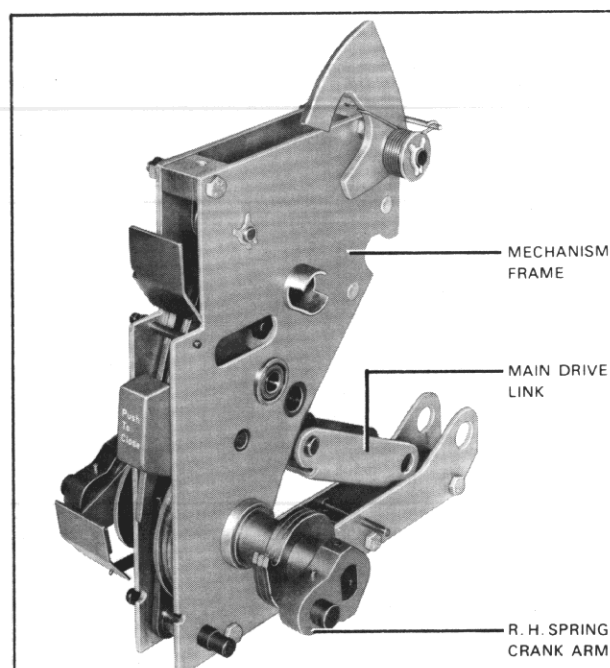


Fig. 19 Front View of Mechanism (Manual Spring Charge)

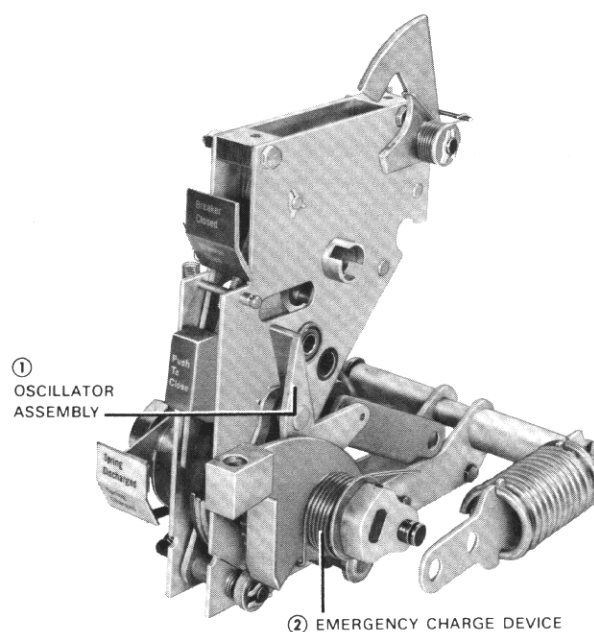


Fig. 20 Front View of Mechanism (Power-Operated Spring Charge)

All DS/DSL except DS-632 and DS-840

Description	Power Operated				Manual Operated		
	Number Required per Breaker	Fig. No.	Item No.	Style Number	Fig. No.	Item No.	Style Number
Mechanism Assembly (Without Closing Spring)	1	20	—	567F759G02	19	—	567F759G01
Following are included in Mechanism Assembly:							
Main Drive Link Ass'y. (With Roller)	1	21	1-2	437B146G03	21	1-2	437B146G03
Oscillator Ass'y.	1	20	1	436B923G01			•
Oscillator Reset	1	—	—	® 503B601H11			•
Spring (Not Illustrated)							•
Emergency Charge Device	1	20	2	436B925G01			
Spring Release Latch (With Bearings)	1	22	1	795A855G01	22	1	795A855G01
Trip Latch	1	22	2	3755A19G01	22	2	3755A19G01
Lever (for motor cut-off switch)	1	22	3	791A516H01	22	3	791A516H01
Trip Latch Reset Spring	1	22	4	® 795A077H01	22	4	® 795A077H01
Following are not included in Mechanism Assembly:							
Manual Charge Ass'y. (Without Handle)	1			•	23	8	591C385G01
Manual Charge Handle	1			•	23	9	349A669G02
Emergency Charge Handle	1	2	—	349A669G04			•
Trip Shaft	1	23	2	788A502H01	23	2	788A502H01
Trip Shaft Lever	1	23	3	437B381H01	23	3	437B381H01
Trip Shaft Return Spring	1	23	4	® 436B621H05	23	4	® 436B621H05
Opening Spring	1	2	—	® 503B601H04	2	—	® 503B601H04
Motor, incl. Crank & Connectors	1	23	10	® See Page 12			•
Closing Spring Ass'y.	2	21	3-4		21	3-4	
DS-206				349A521G01			349A521G01
DS-206S							
DS-416				791A671G02			791A671G02
DS-416S							
DS-420				791A671G01			791A671G01

Mechanism and Related Parts

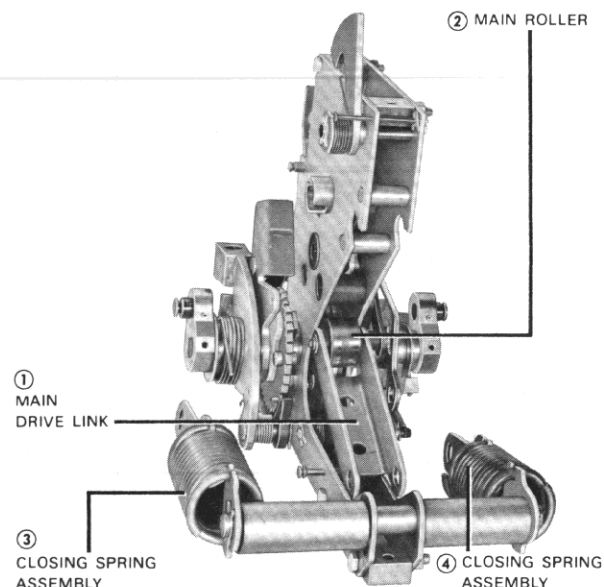


Fig. 21 Rear of Power-Operated Mechanism

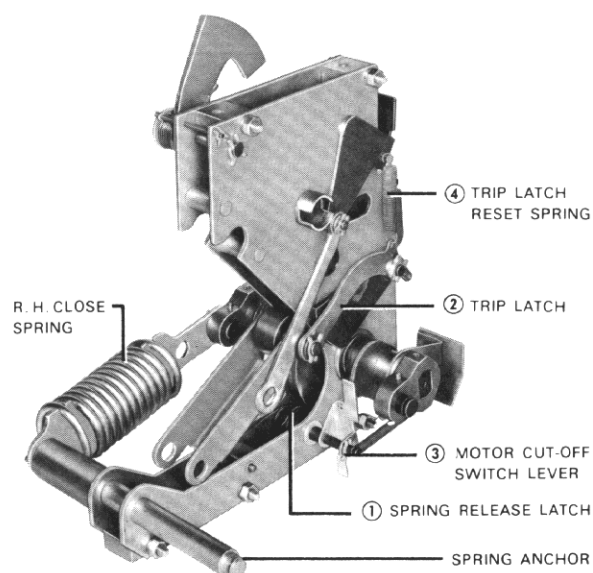


Fig. 22 Rear View of Power-Operated Mechanism
(Left Close Spring Removed)

DS-632 and DS-840

Description	Power Operated				Manual Operated		
	Number Required per Breaker	(1) Fig. No.	Item No.	Style Number	(1) Fig. No.	Item No.	Style Number
Mechanism Assembly (Without Closing Spring)	1	20	—	567F759G04	19	—	567F759G07
Following are included in Mechanism Assembly:							
Main Drive Link Ass'y. (With Roller)	1	21	1-2	437B146G04	21	1-2	437B146G04
Oscillator Ass'y.	1	20	1	436B923G01			*
Oscillator Reset Spring (Not Illustrated)	1		—	® 503B601H11			*
Emergency Charge Device	1	20	2	436B925G01			*
Spring Release Latch (With Bearings)	1	22	1	795A855G01	22	1	795A855G01
Trip Latch	1	22	2	3755A19G01	22	2	3755A19G01
Lever (for motor cut-off switch)	1	22	3	791A516H01	22	3	791A516H01
Trip Latch Reset Spring	1	22	4	® 795A077H01	22	4	® 795A077H01
Following are not included in Mechanism Assembly:							
Manual Charge Ass'y. (Without Handle)	1			*	23	8	591C385G01
Manual Charge Handle	1			*	23	9	349A669G02
Emergency Charge Handle	1	7	—	349A669G04			*
Trip Shaft	1	23	2	788A502H01	23	2	788A502H01
Trip Shaft Lever	1	23	3	437B381H01	23	3	437B381H01
Trip Shaft Return Spring	1	23	4	® 436B621H05	23	4	® 436B621H05
Opening Spring	1 (2)	8	—	® 503B601H04	8	—	® 503B601H04
Motor, incl. Crank & Connectors	1	23	10	® See Page 12			*
Closing Spring Ass'y.	2	21	3-4	791A671G03	21	3-4	791A671G03

® Recommended Spare—See page 2. *Not Required.

(1) Figures 19 thru 22 illustrate mechanism for all DS/DSL breakers except DS-632 and DS-840. DS-632 and DS-840 mechanisms are similar.

(2) Two opening springs are required for DS-840.

Mechanism and Related Parts

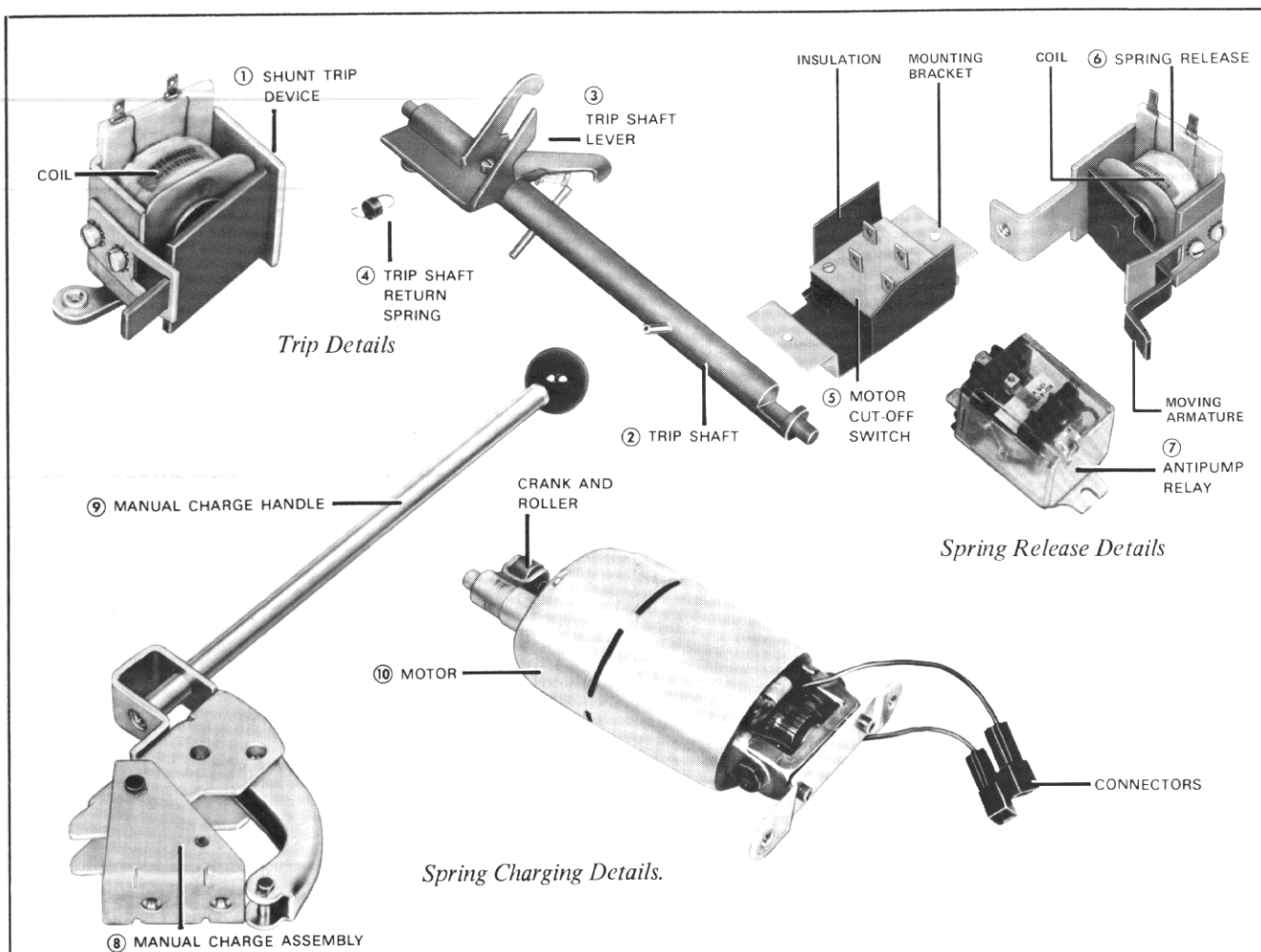


Fig. 23 Trip, Spring Release, and Spring Charging Details

Voltage	Shunt Trip (1) Fig. No. 23 Item No. 1		Spring Release (1) Fig. No. 23 Item No. 6		® Anti- Pump Relay Fig. No. 23 Item No. 7	® Motor Kit (4) Fig. No. 23 Item No. 10
	Complete Assembly		Complete Assembly			
	DS/DSL except DS-840 (2)		Coil ® Only			
24 DC	3752A02G01	151D786G01	—	—	—	—
32 DC	3752A02G02	151D786G03	—	—	—	—
48 DC	3752A02G03	151D786G04	3752A03G01	151D786G04	140D930H03	449D431G03
125 DC	3752A02G04	151D786G08	3752A03G02	151D786G08	140D930H04	449D431G01
250 DC	3752A02G05	151D786G11	3752A03G03	151D786G11	140D930G05	449D431G02
120 60 HZ	3752A02G06	151D786G04	3752A03G04	151D786G02	140D930H01	449D431G01
240 60 HZ	3752A02G07	151D786G08	3752A03G05	151D786G05	140D930H02	449D431G02
For Use with Capacitor Trip	3752A02G08	151D786G08	—	—	—	—

® Motor Cut-off Switch—All breakers—Style 450D818G02 Fig. 23—Item 5.

® Recommended Spare—See page 2.

(1) Shunt Trip and Spring Release complete assembly includes mounting hardware and wire leads for field replacement. When adding shunt trip or spring release to manual breakers, an auxiliary switch, secondary contacts, and possibly other components will be required.

(2) For DS-840 use corresponding groups of 3752A22.

(3) For DS-840 use corresponding groups of 3752A23.

(4) Motor Kit includes crank and roller and connectors for field replacement.

Type DS Circuit Breaker Automatic Tripping System

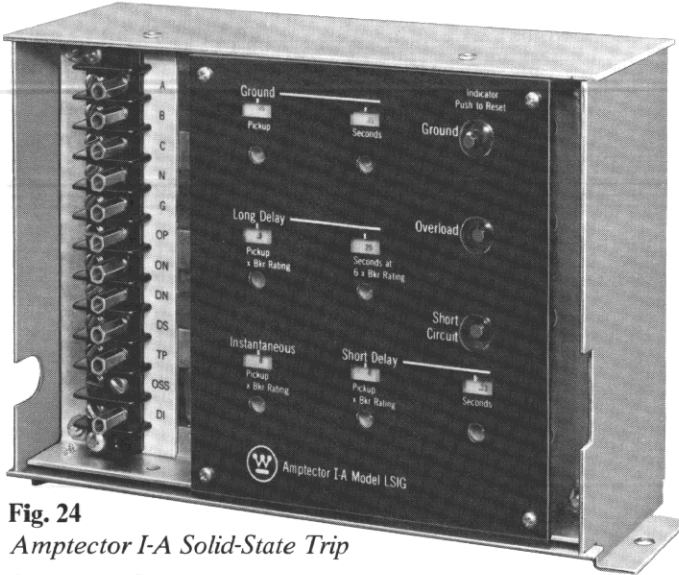


Fig. 24

Amptector I-A Solid-State Trip

Amptector I-A can be supplied in various combinations of four independent continuously adjustable overcurrent tripping functions:

Long delay (L), Short delay (S), Instantaneous (I), Ground (G)

The following combinations are available:

LI, LIG, LS, LSG, LSI, LSI G

Model	Style Number — 60 HZ
LI	6998D02G01
LIG	6998D02G02 (1)
LS	6998D02G03
LSG	6998D02G04 (1)
LSIG	6998D02G05 (1)
LSI	6998D02G06

(1) For DS-632 and DS-840 use Groups 62, 64, 65 and 82, 84, 85 respectively.

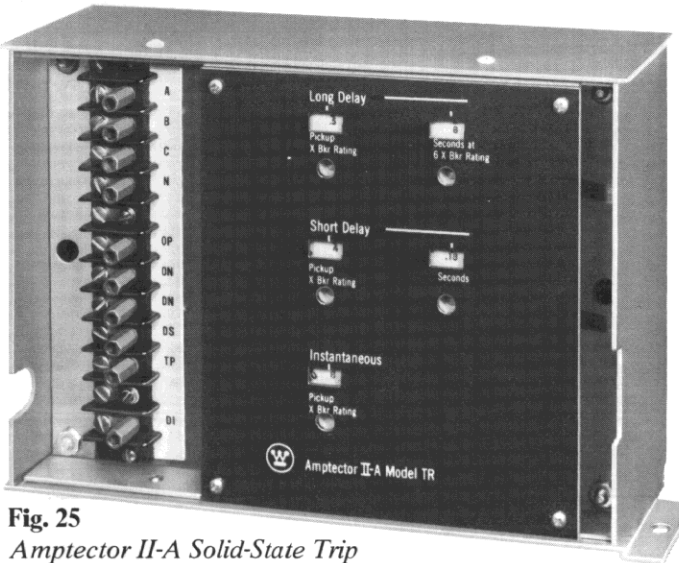


Fig. 25

Amptector II-A Solid-State Trip

Amptector II-A can be supplied in three models or combinations of three independent continuously adjustable overcurrent tripping functions: long delay, short delay and instantaneous. These models are:

DU (Dual—Long delay and instantaneous)

SE (Selective)—Long delay and short delay

TR (Triple)—Long delay, short delay and instantaneous

Model	Style Number — 60 HZ
DU	6997D20G41
SE	6997D20G42
TR	6997D20G43

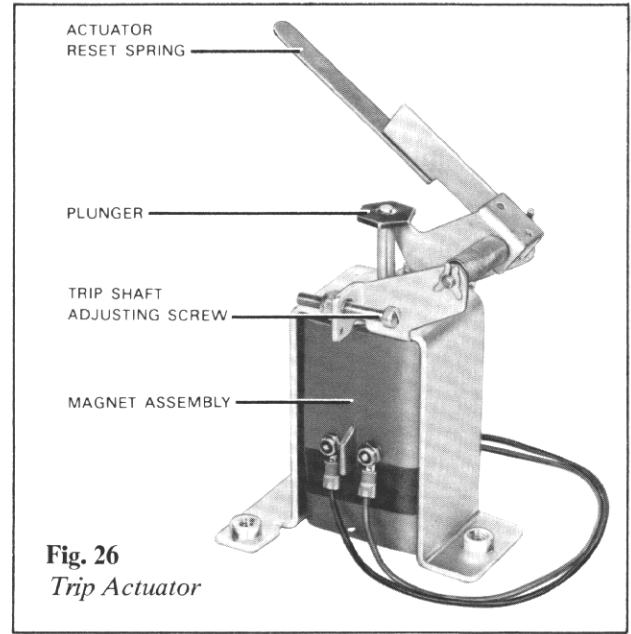


Fig. 26

Trip Actuator

DIRECT TRIP ACTUATOR FIGURE NO. 26

All type DS Breakers use Style Number 592C114G03 (with Black Magnet Ass'y)

Exception: If a breaker is equipped with an earlier Amptector II Style 151D792G series, use actuator style 592C114G01 (with Red Magnet Ass'y).

SENSORS

See Figure 3 for Typical Sensors

Refer to I.B. 33-790-1E, Table 4, for application of sensors.

Sensor Rating Amperes	Sensor Style Number
50	794A170G01
100	151D995G01
150	151D995G15
200	151D995G02
300	151D995G03
400	151D995G04
600	151D995G06
800	151D995G08
1200	151D995G12
1600	151D995G16
2000	151D995G20
2400	151D995G24
3200	151D995G32
4000	588C734G01

NOTE:

For information on application and operation of the automatic tripping system refer to Section 8 of Instruction Book 33-790-1E.

Optional Accessories

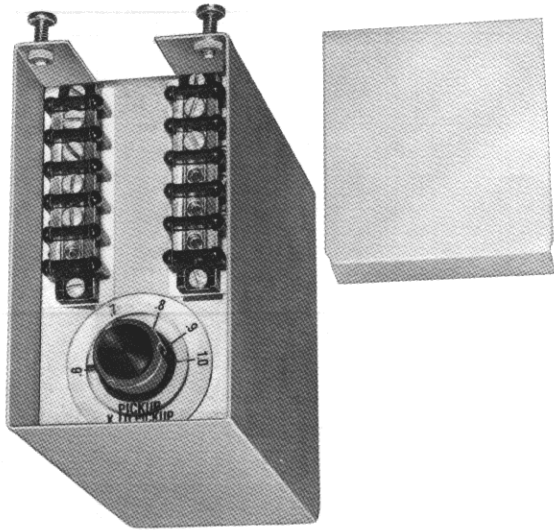


Fig. 27 High Load Switch—Style 151D006G04

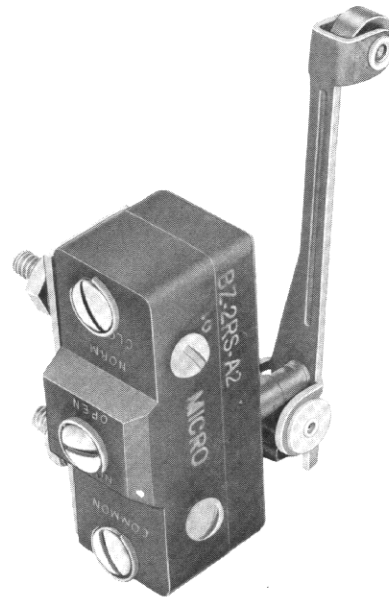


Fig. 28 Latch Check Switch—Style 140D161G01

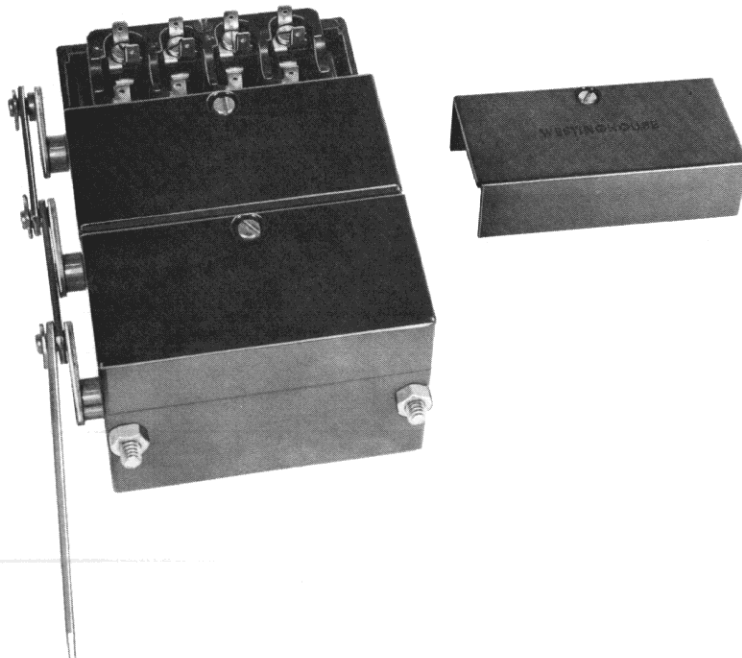


Fig. 29 Auxiliary Switches—See page 3 for identification of auxiliary switches.

Optional Accessories

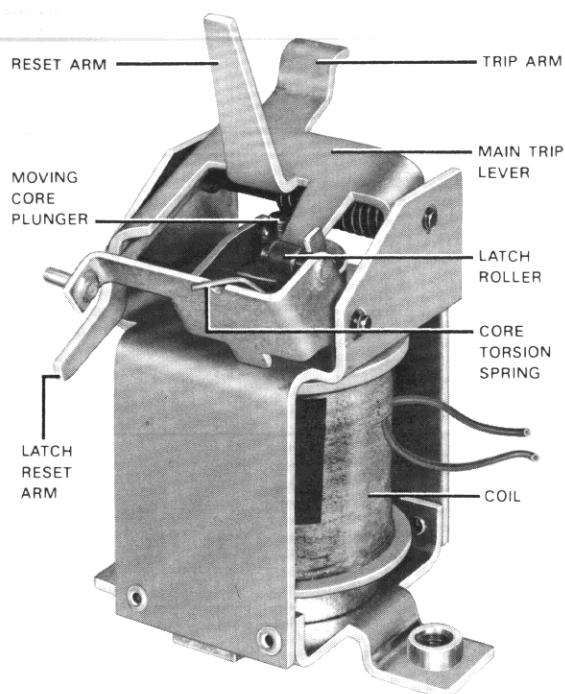


Fig. 30 Underwattage Trip Device

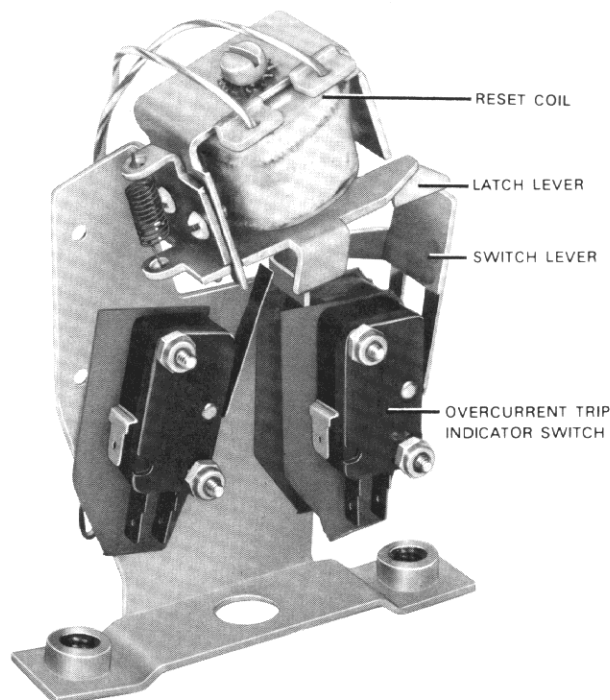


Fig. 31 Overcurrent Trip Switch

UNDERVOLTAGE TRIP DEVICE—FIGURE NO. 30

Voltage	Undervoltage-Instantaneous	Undervoltage-Time Delay
	All DS/DSL Except DS-840 (1)	All DS/DSL Except DS-840 (2)
120 60 HZ	3752A05G01	3752A06G01
208 60 HZ	3752A05G02	3752A06G02
240 60 HZ	3752A05G03	3752A06G03
460 60 HZ	3752A05G04	3752A06G04
48 DC	3752A05G05	3752A06G05
125 DC	3752A05G06	3752A06G06
250 DC	3752A05G07	3752A06G07

(1) For DS-840 use corresponding groups of 3752A25

(2) For DS-840 use corresponding groups of 3752A26

Special Voltage	All DS/DSL including DS-840	All DS/DSL including DS-840
24 DC	3752A45G01	3752A46G01
115 50 HZ	3752A45G02	3752A46G02
208 50 HZ	3752A45G03	3752A46G03
230 50 HZ	3752A45G04	3752A46G04
400/50 HZ	3752A45G05	3752A46G05
415		
460 50 HZ	3752A45G06	3752A46G06

NOTES

All styles include mounting hardware and wire leads for field replacement. When adding to existing breakers, secondary contacts will be required.

The undervoltage trip device is available as a complete assembly. The coil only is not recommended as it is riveted into the assembly.

OVERCURRENT TRIP SWITCH—FIGURE NO. 31

For all type DS/DSL except DS-840 (1).

Manual Reset

2 Contact	3 Contact	4 Contact
3752A04G01	3752A04G02	3752A04G03

Electrical Reset

Voltage	2 Contact	3 Contact
48 DC	3752A04G04	3752A04G09
115 AC	3752A04G05	3752A04G10
125 DC	3752A04G06	3752A04G11
230 AC	3752A04G07	3752A04G12
250 DC	3752A04G08	3752A04G13

(1) For DS-840 use corresponding groups of 3752A24.

All styles include mounting hardware and wire leads for field replacement. When adding to existing breakers other components may be needed.

For replacement of switches only order style 6898D52A01 which consists of two switches, a switch bracket and rivets.

DSL-206 and DSL-416 Breakers

Parts for pole units, arc chutes, mechanisms, etc.
for DSL breakers are identified on preceding pages of this R.P.D.

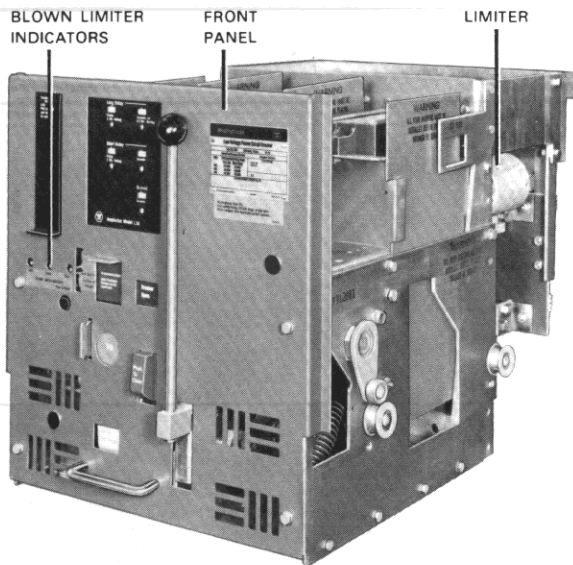


Fig. 32 DSL-206 Breaker—Front View

Description	Fig. No.	Number Required per Breaker	DSL-206 and DSL-416 Style Number
Blown Limiter Indicator Ass'y.	32	1	140D777G01
Isolating Transformer Ass'y. (includes 3 transformers)	33	1	591C755G01
Transformer Only:	33	3	795A823H01

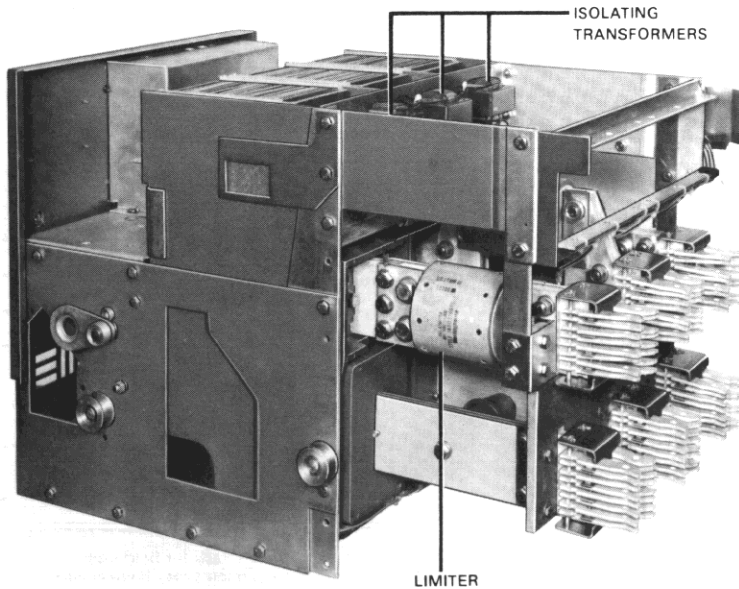


Fig. 33 DSL-416 Breaker—Side View

® LIMITERS—FIGURES 32-33

Refer to I.B. 33-790-1E, Table 5, for application of limiters.

Breaker Type	Number Required per Breaker	Rating Amps	Style Number
DSL-206	3	150	140D316G01
	3	200	140D316G02
	3	250	140D316G03
	3	300	140D316G04
	3	400	140D316G05
	3	600	140D316G06
	3	800	140D316G07
	3	1200	140D316G10
	3	1600	140D316G11
	3	2000	140D316G12
DSL-416	3	800	151D932G01
	3	1000	151D932G02
	3	1200	151D932G03
	3	1600	151D932G04
	3	2000	151D932G05
	3	2500	151D932G09
	3	3000	151D932G10

® Recommend 3 spare limiters of each current rating.



Westinghouse Electric Corporation
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