

I-LINE® Circuit Breaker Panelboards

MAIN LUGS AND MAIN BREAKER

INDEX

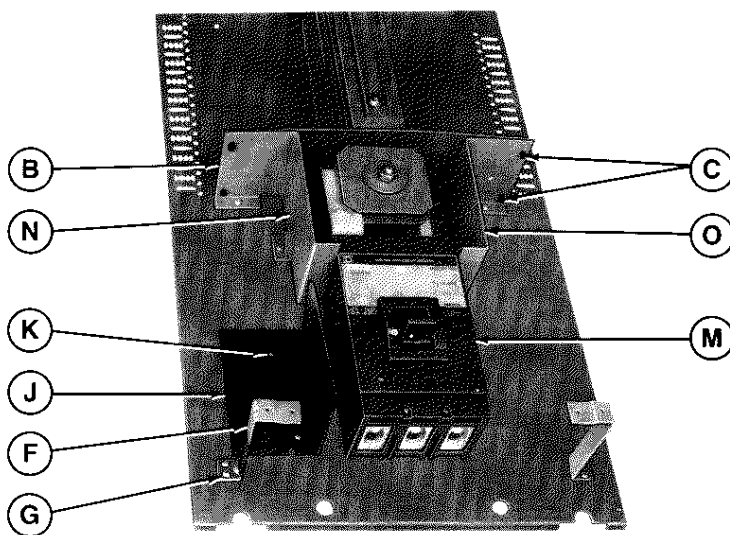
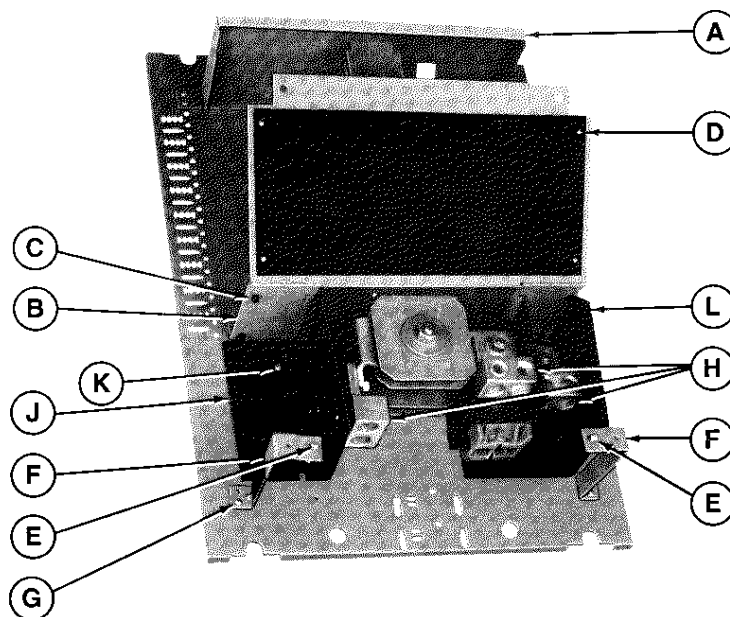
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ELECTRICAL DISTRIBUTION PRODUCTS SERVICE BULLETIN



I-LINE® PANELBOARDS—HCN

MAIN LUGS AND MAIN BREAKER—600A MAXIMUM



Main Circuit Breaker

I-LINE is a Registered Trademark of Square D Company.



DANGER: Hazard of electrical shock or burn. Be sure to TURN OFF POWER SUPPLY before working on equipment. Replace all parts and cover before turning power ON.



I-LINE® PANELBOARDS — HCN

MAIN LUGS AND MAIN BREAKER—600A MAXIMUM

ORDERING INSTRUCTIONS: Specify quantity, part number, and description of part, giving complete nameplate data of panelboard.

HCN MAIN LUGS ONLY

Code Letter	Description	Part Number
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY * 27" Breaker Mounting Space 45" Breaker Mounting Space 63" Breaker Mounting Space 81" Breaker Mounting Space 99" Breaker Mounting Space Screw, Interior Trim Mounting (4)	80104-411-50 80104-411-51 80104-411-52 80104-411-53 80104-411-54 40205-098-01
A	END BARRIER ASSEMBLY Screw, Barrier Mounting (4)	40517-500-01 21594-17140
Not Shown	LUG COVER STRAP	80104-018-01
B	MAINS COMPARTMENT SHIELD Left (fingered) Right (plain) Push Rivet, Shield Mounting (2 ea.)	40517-505-01 40517-506-01 24301-17150
D	LUG COMPARTMENT COVER ASSEMBLY Screw, Cover Mounting (4)	40517-507-50 21594-17140
E	SCREW, Lug Cover (2)	21594-17140
F	BRACKET, Lug Cover & Trim Support	40517-499-01
G	Screw, Bracket Mounting (2 ea.)	21594-17140
H	MAIN LUG 225A 400-600A Mounting Assembly 225A—Nut 400 & 600A — Bolt — Nut — Washer	40251-130-50 40523-382-50 23427-02200 21401-28483 23427-02800 23903-33201
J	NEUTRAL INSULATOR	221867
K	Screw, Insulator Mounting—225A (2) Screw, Insulator Mounting—400 & 600A (2)	21903-20200 21594-17140
L	INSULATOR, CØ Lug—400 & 600A Only	221838

HCN MAIN BREAKER

Code Letter	Description	Part Number 100-225A Mains	Part Number 400A Mains
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY * 18" Breaker Mounting Space 27" Breaker Mounting Space 36" Breaker Mounting Space 45" Breaker Mounting Space 54" Breaker Mounting Space 63" Breaker Mounting Space 81" Breaker Mounting Space 90" Breaker Mounting Space Screw, Interior Trim Mounting (8)	80104-414-50 — 80104-410-50 — 80104-410-51 80104-410-53 — 80104-410-52 40205-098-01	— 80104-414-51 — 80104-410-54 — 80104-410-55 80104-410-56 — 40205-098-01
A	END BARRIER ASSEMBLY Screw, Barrier Mounting (4)	40517-500-01 21594-17140	40517-500-01 21594-17140
B	MAINS COMPARTMENT SHIELD Left (fingered) Right (plain) Push Rivet, Shield Mounting (2 ea.)	40517-505-01 40517-506-01 24301-17150	40517-505-01 40517-506-01 24301-17150
N O	BUS STACK SHIELDS Left Right Screw, Shield Mounting (2 ea.)	1800197 1800196 21594-17140	40517-184-01 40517-185-01 21594-17140
F G	BRACKET, Trim Support Screw, Bracket Mounting (2 ea.)	40517-499-01 21594-17140	40517-499-01 21594-17140
J K	NEUTRAL INSULATOR Screw, Insulator Mounting (2)	221867 21903-20200	221867 21594-17140
M	MAIN BREAKER 100A 225A 400A	FA 36100 KA 36225 —	— — LAP 36400 MB

*New trim front **must** also be ordered from current Digest.

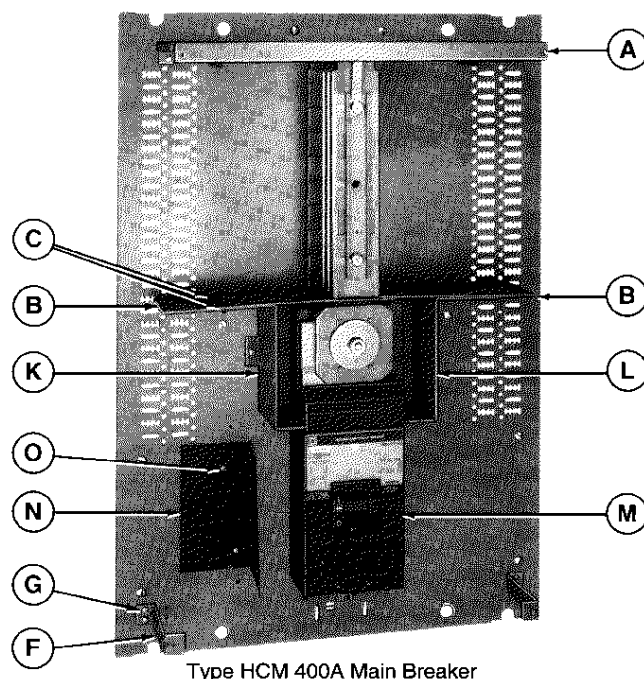
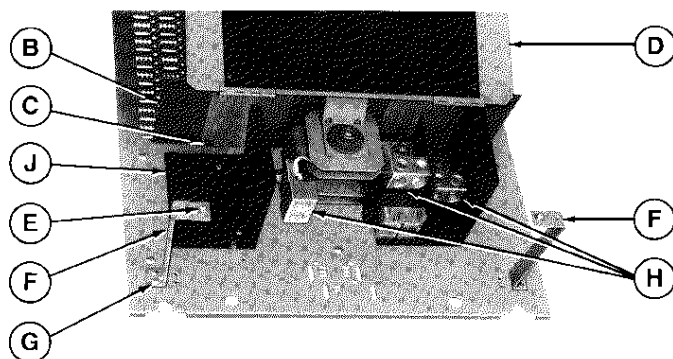


DANGER: Hazard of electrical shock or burn. Be sure to TURN OFF POWER SUPPLY before working on equipment. Replace all parts and cover before turning power ON.



I-LINE PANELBOARDS—HCM

MAIN LUGS AND MAIN BREAKER—800A MAXIMUM



Type HCM 400A Main Breaker





I-LINE® PANELBOARDS — HCM

MAIN LUGS AND MAIN BREAKER—800A MAXIMUM

ORDERING INSTRUCTIONS: Specify quantity, part number, and description of part, giving complete nameplate data of panelboard.

HCM MAIN LUGS ONLY

Code Letter	Description	Part Number 225-400A	Part Number 600-800A
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY 27" Breaker Mounting Space 45" Breaker Mounting Space 63" Breaker Mounting Space 99" Breaker Mounting Space Screw, Interior Deadfront Trim Mounting (5)	1090605 1090606 1090607 1090608 40205-098-01	1090600 1090601 1090602 1090603 40205-098-01
A	END BARRIER ASSEMBLY Screw, Barrier Mounting (4) End Barrier Insulator	40517-007-01 21594-17140 80104-056-01	40517-007-01 21594-17140 —
Not Shown	LUG COVER STRAP Screw, Cover Strap Mounting	80104-018-01 21594-12061	80104-018-01 21594-12061
B	MAINS COMPARTMENT SHIELD Left (fingert) Right (plain)	2200072 2200073	2200068 2200069
C	Push Rivet, Shield Mounting (2 ea.)	24301-17150	24301-17150
D	LUG COMPARTMENT COVER ASSEMBLY Screw, Cover Mounting (4)	40517-002-50 21594-17140	40517-002-50 21594-17140
E	Screw, Lug Cover (2)	21594-17140	21594-17140
F	BRACKET, Lug Cover & Trim Support	184873	184873
G	Screw, Bracket Mounting (2 ea.)	21594-17140	21594-17140

Code Letter	Description	225A	400-600A	800A
H	MAIN LUGS ASSEMBLY Lug Nut (1 per lug) Stud (1 per lug) Washer, Lug Mounting (1 per lug) Washer (1 per lug)	40251-130-50 23427-02200 — — —	40523-382-50 23427-02800 23903-33201 21401-28483 —	80031-093-01 23040-28000 21401-28643 23903-33201 23903-34002
J	NEUTRAL INSULATOR Screw, Insulator Mounting (2)	221867 21903-20200	221869 21903-20200	221869 21594-17140

HCM MAIN BREAKER

Code Letter	Description	Part Number 225-400A Mains	Part Number 600-800A
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY 18" Breaker Mounting Space 27" Breaker Mounting Space 36" Breaker Mounting Space 45" Breaker Mounting Space 54" Breaker Mounting Space 72" Breaker Mounting Space 81" Breaker Mounting Space 90" Breaker Mounting Space Screw, Interior Deadfront Trim Mounting (8)	1090620 1090625 1090621 1090626 1090622 — 1090627 1090623 40205-098-01	— — 40517-075-50 — — 40517-075-51 — — 40205-098-01
A	END BARRIER ASSEMBLY Screw, Barrier Mounting (4) End Barrier Insulator	40517-007-01 21594-17140	40517-007-01 21594-17140
B	MAINS COMPARTMENT SHIELD Left (fingert) Right (plain)	2200074 2200075	40517-093-01 40517-098-01
C	Push Rivet, Shield Mounting (2 ea.)	24301-17150	24301-17150
K L	BUS STACK SHIELDS Left Right Screw, Shield Mounting (2 ea.)	1800197 1800196 21594-17140	1800197 1800196 21594-17140
F G	BRACKET, Trim Support Screw, Bracket Mounting (2 ea.)	184871 21594-17140	184871 21594-17140
N O	NEUTRAL INSULATOR Screw, Insulator Mounting (2) — 225A — 400, 600, 800A	221867 21903-20200 21594-17140	40517-101-01 — 21594-17140
M	MAIN BREAKER 225A 400A 600A 800A	KA 36225 LA 36400 — —	— — MAP 36600 MAP 36800

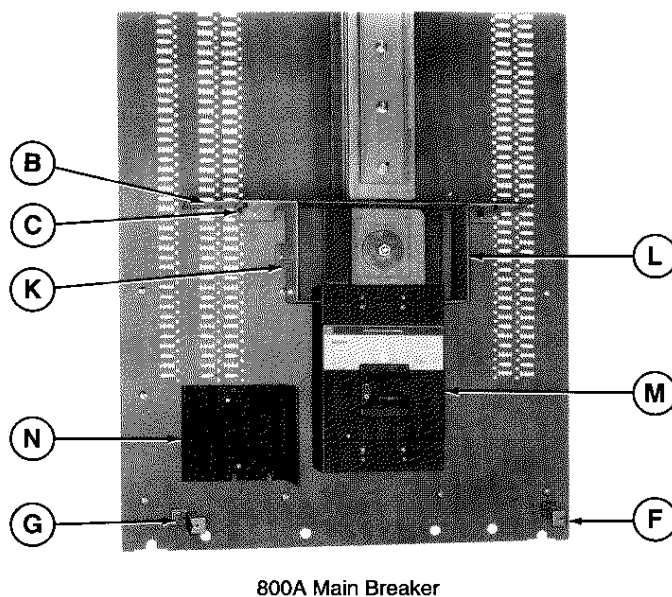
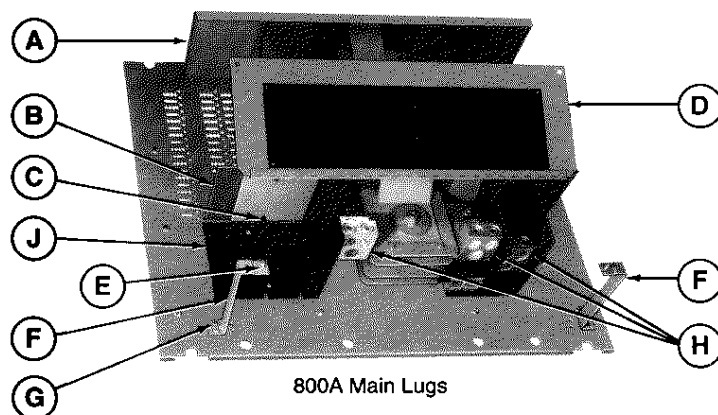


DANGER: Hazard of electrical shock or burn. Be sure to TURN OFF POWER SUPPLY before working on equipment. Replace all parts and cover before turning power ON.



I-LINE PANELBOARDS—HCW

MAIN LUGS AND MAIN BREAKER—1200A MAXIMUM





I-LINE PANELBOARDS — HCW

MAIN LUGS AND MAIN BREAKER—1200A MAXIMUM

ORDERING INSTRUCTIONS: Specify quantity, part number, and description of part, giving complete nameplate data of panelboard.

HCW MAIN LUGS ONLY

Code Letter	Description	Part Number 400–800A Mains	Part Number 1200A Mains
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY 27" Breaker Mounting Space 45" Breaker Mounting Space 63" Breaker Mounting Space 99" Breaker Mounting Space Screw, Interior Deadfront Trim Mounting (5)	80104-014-50 80104-014-51 80104-014-52 80104-014-53 40205-098-01	80034-193-50 80034-193-51 80034-193-52 80034-193-53 40205-098-01
A	END BARRIER ASSEMBLY Screw, Barrier Mounting (4) End Barrier Insulator	184888 21594-17140 80104-056-01	40517-354-01 21594-17140 80104-056-01
Not Shown	LUG COVER STRAP Screw, Cover Strap Mounting	80104-018-01 21594-12061	80104-018-01 21594-12061
B	MAINS COMPARTMENT SHIELD Left	2200077	40517-173-01
	Right	2200076	40517-355-01
C	Push Rivet, Shield Mounting (2 ea.)	24301-17150	24301-17150
D	LUG COMPARTMENT COVER ASSEMBLY Screw, Cover Mounting (4)	1144025 21594-17140	40517-345-50 21594-17140
E	Screw, Lug Cover (2)	21594-17140	21594-17140
F	BRACKET, Lug Cover & Trim Support	184873	184873
G	Screw, Bracket Mounting (2 ea.)	21594-17140	21594-17140
H	MAIN LUGS ASSEMBLY 400 & 600A 800A 1200A Bolt, Lug Mounting 400 & 600A 800A Nut, Lug Mounting 400 & 600A 800 & 1200A Washer, Lug Mounting 400, 600, & 800A 1200A	40523-382-50 80031-093-01 — 21401-28483 21401-28643 — 23427-02800 — 23903-33201 —	— — 80031-094-01 — — — 23040-28000 23903-33201 23903-34002
J	NEUTRAL INSULATOR Screw, Insulator Mounting (2)—400, 600, & 800A —1200A	221854 21594-17140 —	221854 21594-17140 21903-20200

HCN MAIN BREAKER

Code Letter	Description	Part Number
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY 36" Breaker Mounting Space 72" Breaker Mounting Space Screw, Interior Deadfront Trim Mounting (8)	80104-013-50 80104-013-51 40205-098-01
A	END BARRIER ASSEMBLY Screw, Barrier Mounting (4)	184888 21594-17140
B	MAINS COMPARTMENT SHIELD Left (fingered) Right (plain)	40517-108-01 40517-098-01
C	Push Rivet, Shield Mounting (2 ea.)	24301-17150
K	BUS STACK SHIELDS Left	1800197
L	Right	1800196
	Screw, Shield Mounting (2 ea.)	21594-17140
F	BRACKET, Trim Support	184871
G	Screw, Bracket Mounting (2 ea.)	21594-17140
N	NEUTRAL INSULATOR Screw, Insulator Mounting (2)	40517-10901 21594-17140
M	MAIN BREAKER 600A 800A	MAP 36600 MAP 36800

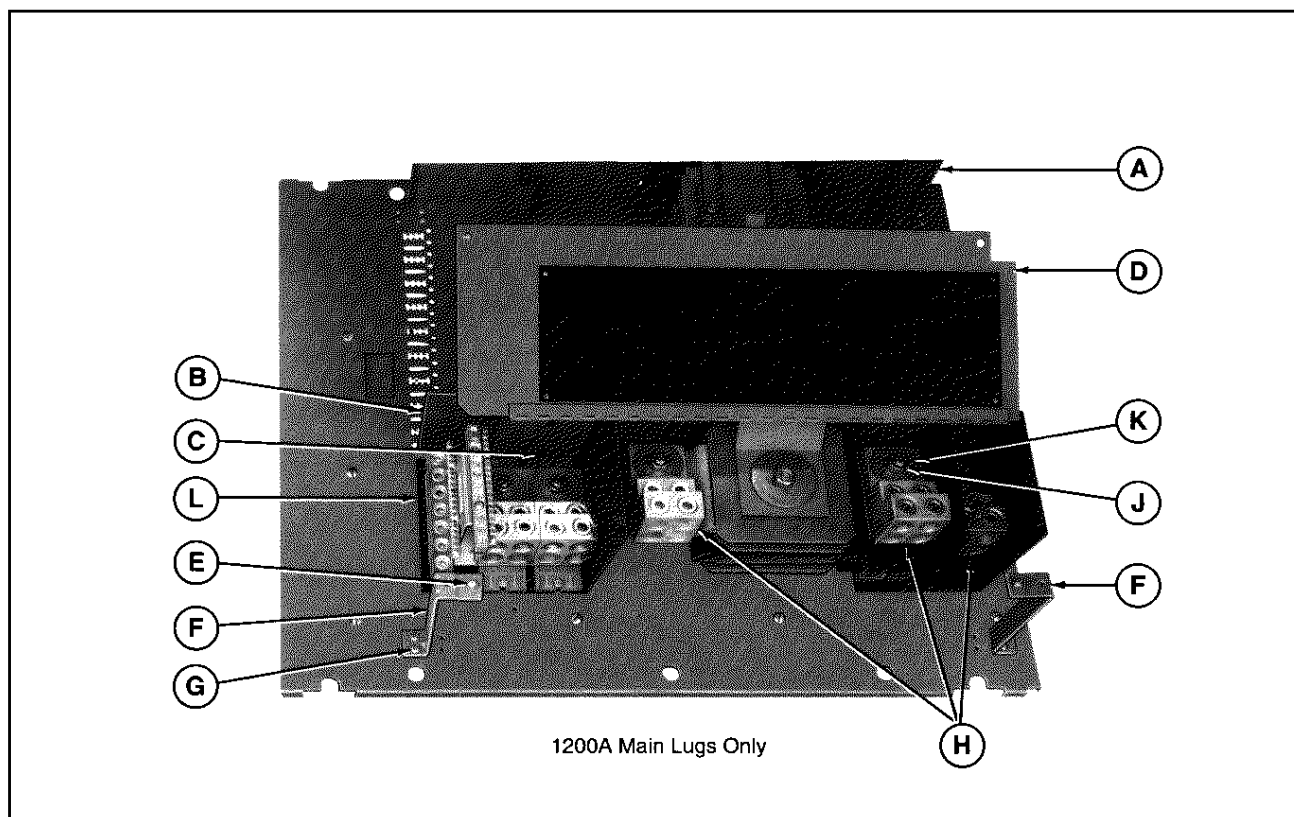


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I-LINE PANELBOARDS— HCWM

MAIN LUGS— 1200A MAXIMUM



ORDERING INSTRUCTIONS: Specify quantity, part number, and description of part, giving complete nameplate data of panelboard.

HCWM MAIN LUGS ONLY

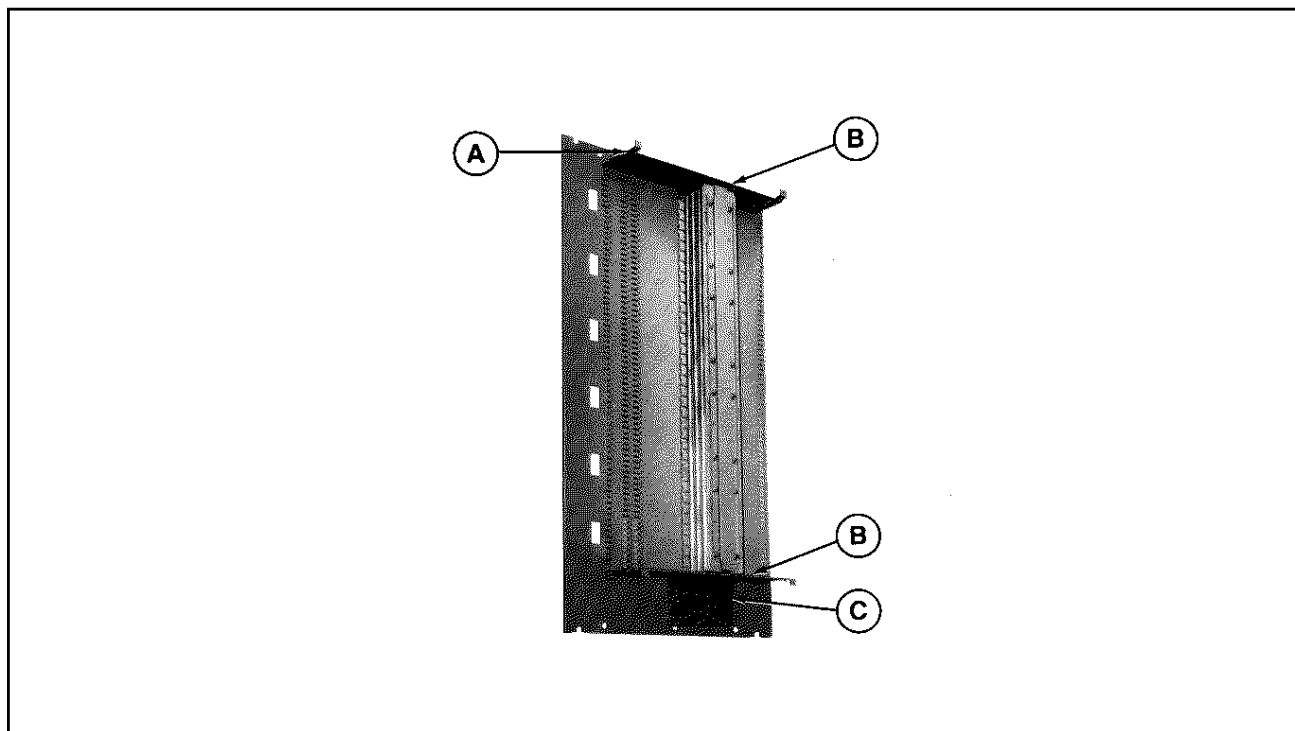
Code Letter	Description	Part Number
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY 27" Breaker Mounting Space 45" Breaker Mounting Space 63" Breaker Mounting Space 99" Breaker Mounting Space Screw, Interior Deadfront Trim Mounting (5)	80034-189-50 80034-189-51 80034-189-52 80034-189-53 40205-098-01
A	END BARRIER ASSEMBLY Screw, Barrier Mounting (4)	40517-354-01 21594-17140
Not Shown	LUG COVER STRAP Screw, Cover Strap Mounting	80104-018-01 21594-12061
B	MAINS COMPARTMENT SHIELD Left (plain) Right (fingered)	40517-171-01 40517-336-01
C	Push Rivet, Shield Mounting (2 ea.)	24301-17150
D	LUG COMPARTMENT COVER ASSEMBLY Screw, Cover Mounting (4)	40517-315-50 21594-17140
E	SCREW, Lug Cover (2)	21594-17140
F	BRACKET, Lug Cover & Trim Support	184873
G	Screw, Bracket Mounting (2 ea.)	21594-17140
H	MAIN LUGS ASSEMBLY 1200A	80031-094-01
J	Nut, Lug Mounting	23040-28000
K	Washer, Lug Mounting	23903-34002
L	NEUTRAL INSULATOR Screw, Insulator Mounting (2)	221854 21594-17140





I-LINE PANELBOARDS

HCWM-U MAIN LUGS—MAIN BREAKER 1200A



ORDERING INSTRUCTIONS: Specify quantity, part number, and description of part, giving complete nameplate data of panelboard.

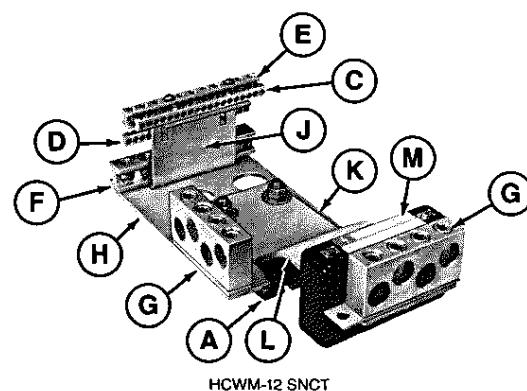
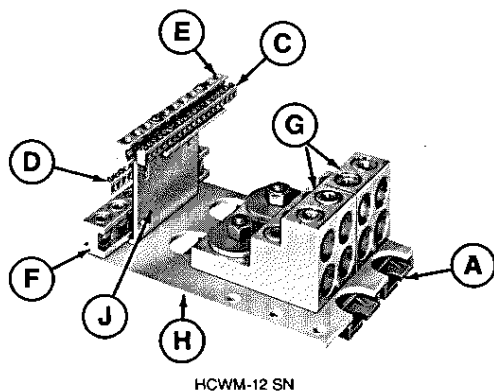
Code Letter	Description	Part Number
Not Shown	INTERIOR DEADFRONT TRIM ASSEMBLY Screw, Interior Deadfront Trim Mounting (4)	80104-271-50 80025-064-01
A	MOUNTING BRACKET, Interior Trim (4) Screw, Bracket Mounting (8)	80104-262-01 80025-064-01
B	END BARRIER INSULATOR (2) Rivet, Black Nylon (4)	80104-263-01 24301-17150
C	NEUTRAL INSULATOR Screw, Insulator Mounting (2)	80104-277-01 21594-17140
Not Shown	ELEVATING NUT BAG ASSEMBLY	115316



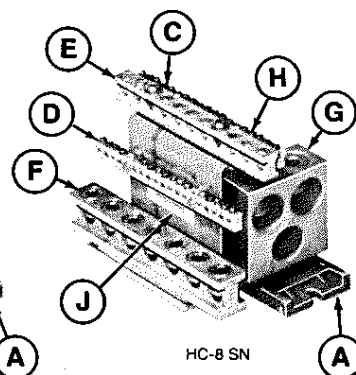
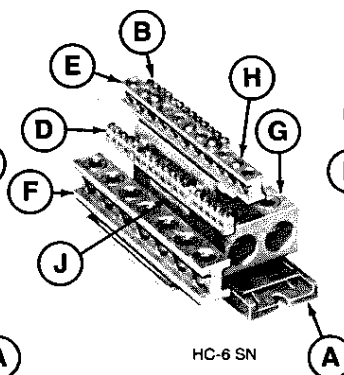
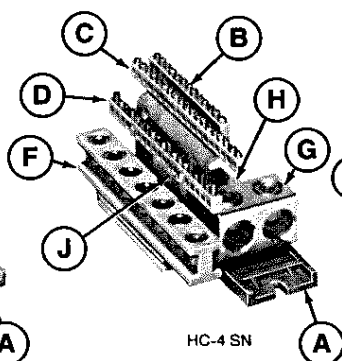
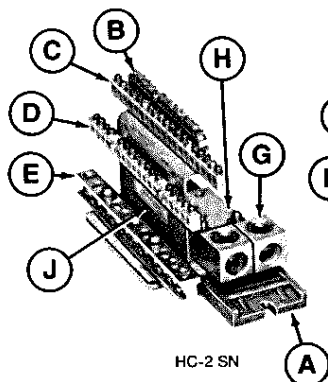
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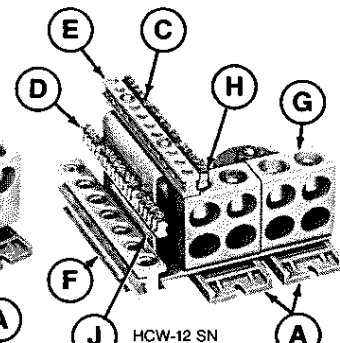
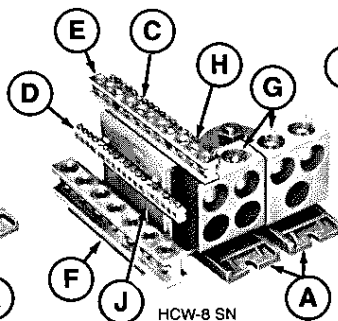
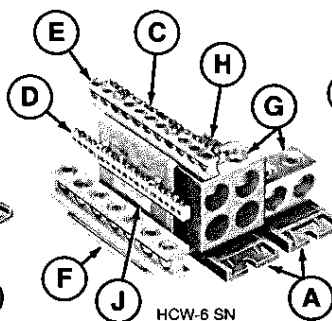
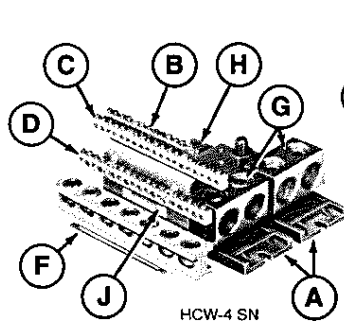
I-LINE PANELBOARDS SOLID NEUTRAL ASSEMBLIES



SOLID NEUTRAL ASSEMBLIES FOR HCN AND HCM PANELBOARDS



SOLID NEUTRAL ASSEMBLIES FOR HCW AND HCWM PANELBOARDS





I-LINE PANELBOARDS

SOLID NEUTRAL ASSEMBLIES, FRONTS, BLANK FILLERS, AND MISCELLANEOUS ITEMS

ORDERING INSTRUCTIONS: Specify quantity, part number, and description of part, giving complete nameplate data of panelboard.

SOLID NEUTRALS

Code Letter	Description	Part Number
A	SOLID NEUTRAL ASSEMBLIES NEUTRAL BASE Screw, Base Mounting	40517-111-01 21903-20160
B	NEUTRAL BAR ASSEMBLY Screw, Bar Mounting	40230-172-67 21091-14240
C	NEUTRAL BAR ASSEMBLY Screw, Bar Mounting	40230-172-94 21091-14240
D	NEUTRAL BAR ASSEMBLY Screw, Bar Mounting	40230-172-95 21594-14200
E	NEUTRAL BAR ASSEMBLY Screw, Bar Mounting Washer, Bar Mounting	155642 21001-18360 23903-31401
F	NEUTRAL BAR ASSEMBLY Screw, Bar Mounting Washer, Bar Mounting	155643 21401-20240 23903-31601
Not Shown	BONDING STRAP 225A 400A 600, 800, & 1200A HCWM 1200A —(top) —(bottom) Screw, Strap Mounting Washer Screw, Neutral Assembly Mounting	80010-598-01 80010-599-01 80010-600-01 80104-275-01 80104-276-01 21903-20200 23903-31601 21903-20200

FRONTS, BLANK FILLERS, & MISCELLANEOUS ITEMS

Code Letter	Description	Part Number
Not Shown	FRONTS AND BLANK FILLERS BLANK FILLERS 1-1/2" H. 4-1/2" H. Screw, Blank Mounting (included with blank)	HNH-1BL HNH-4BL 21508-20160
Not Shown	BLANK FILLER EXTENSIONS 1-1/2" H. 4-1/2" H. Screw, Extension Mounting	HLW-1BL HLW-4BL 21903-17080
Not Shown	CIRCUIT NUMBER TABS 1-90 Flush Lock (large sliding) Keys (2 per kit) Vault Handle Lock	80104-402-50 PK-5FL LP-9618 PK-4NVL
Not Shown	TRIM CLAMP ASSEMBLY Exposed Trim Clamp MONO-FLAT® Trim Clamp	LP9501 PK2TC
Not Shown	DIRECTORY CARD Clear Plastic Card Cover	80031-158-01 80031-159-01
Not Shown	INTERIOR LEVELING NUT	184882

SOLID NEUTRALS

Code Letter	Description	HCWM-12 SN	HCWM-12 SNCT
G	LUG ASSEMBLIES Large Small Screw, Lug Mounting Washer, Lug Mounting Nut, Lug Mounting —Large —Small Washer, Lug Mounting	(2) 80031-094-01 — 21401-28661 23903-33201 23040-28000 — 23903-34002	(2) 48010-093-50 — 21401-24240 23903-32402 — —
H	NEUTRAL PLATE	80104-273-01	80104-273-01
J	NEUTRAL CONNECTOR	147213	147213
K	LUG PAD	—	80104-274-01
L	C/T CONNECTOR Screw Washer Keys Nut	— 80104-278-01 21401-28481 23903-33201 23427-02800	—
M	NEUTRAL C/T Mounting Screw (2)	— NECT 2 21594-17140	—

SOLID NEUTRALS

Code Letter	Description	HC2SN	HC4SN	HC6SN	HC8SN
G	LUG ASSEMBLIES Large Small Screw, Lug Mounting Washer, Lug Mounting Nut, Lug Mounting —Large —Small Washer, Lug Mounting	40251-130-50 — 21903-22400 — 23427-02800 —	40523-382-50 — 21401-28643 23903-33201 23040-28000 23427-02800 —	80031-094-01 40523-382-50 21401-28643 23903-33201 23040-28000 — —	80031-094-01 80031-093-01 21401-28643 23903-33201 23040-28000 — —
H	NEUTRAL PLATE	147262	147263	40517-167-01	147264
J	NEUTRAL CONNECTOR	147212	147212	40517-168-01	147213

SOLID NEUTRALS

Code Letter	Description	HCW4SN	HCW6SN	HCW8SN	HCW12SN
G	LUG ASSEMBLIES Large Small Screw, Lug Mounting Washer, Lug Mounting Nut, Lug Mounting —Large —Small Washer Lug Mounting —Small	40523-382-50 — 21401-28643 23903-33201 23427-02800 — —	80031-094-01 40023-382-50 21401-28643 23903-33201 23040-28000 23427-02800 23903-34002	80031-094-01 80031-093-01 21401-28643 23903-33201 23040-28000 — 23903-34002	80031-094-01 — 21401-28643 23903-33201 23040-28000 — 23903-34002
H	NEUTRAL PLATE	147265	147265	80104-054-01	40517-122-01
J	NEUTRAL CONNECTOR	147212	147213	147213	147213



DANGER: Hazard of electrical shock or burn. Be sure to TURN OFF POWER SUPPLY before working on equipment. Replace all parts and cover before turning power ON.

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SQUARE D