

PICTOGRAMS FOR GROUND SUPPORT EQUIPMENT

CONTENTS	CHAPTER	PAGE
PURPOSE AND SCOPE, GENERAL EXPLANATION, REVISIONS		2 - 3
EQUIPMENT LIGHTING	1	1 - 2
HYDRAULICS	2	1
PNEUMATICS	3	1
ELECTRICAL EQUIPMENT	4	1 - 4
ENGINE / TRANSMISSION POWER TAKE-OFF	5	1 - 3
BRAKES	6	1
DRIVER'S CABIN / OPERATOR'S STAND	7	1 - 7
DRIVE DRIVING POSITION	8	1 - 3
LIFTING WORKING POSITION	9	1 - 13
EMERGENCY OPERATION	10	1 - 2
MAINTENANCE	11	1 - 2
MISCELLANEOUS	12	1

SAE Technical Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

ARP1838

1. PURPOSE AND SCOPE: This Aerospace Recommended Practice (ARP) specifies pictographic symbols for Ground Support Equipment.

They have been compiled for the benefit of those who deal with such equipment like airlines, airport authorities, manufacturers etc. in order to facilitate fast and accurate identification of controls, indicators, decals of powered and unpowered equipment.

This document shall promote standardization of terms for controls, indicators etc. of ground support equipment and eliminate language problems.

It is recommended to put these pictograms on all future equipment and to retrofit all existing equipment as far as possible.

2. GENERAL: Pictograms presented in this document have been compiled from the following documents:

ISO 7000
IEC 417
DIN 30600
IATA AHM 915 A

In cases where certain functions have not been covered by symbols specified in one of these documents, new pictograms have been developed.

Pictograms for controls and indicators of aircraft handling equipment are also covered in IATA AHM 915 A.

For more details on the presentation of pictograms reference is made to ISO Document 3461 - 1976 (E) "Graphic Symbols - General Principles for Presentation".

3. EXPLANATION:

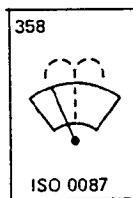
- 3.1 The list is subdivided into 12 chapters to achieve a separation among the various categories of equipment.
- 3.2 A pictogram characterizes a component function, indicates a signal or gives special hints without giving details on construction or fabrication.
- 3.3 If the pictogram has already an ISO/IEC number, this number is indicated below the sign.

If the symbol has already a number according to DIN 30600, it is indicated at the top left corner.

ISO = International Standard Organisation
IEC = International Electric Commission
DIN = German Industry Standard

3.4 Example

DIN 30600



pictogram

ISO/IEC-number

"E" behind No. = "draft", "V" behind No. = "proposal".
ISO and IEC numbers in parenthesis are not yet approved.

3.5 In column "applicable to" the names of GSE have been substituted by numbers I to XI due to lack of space and decode as follows:

- I = Loaders, lifting device
- II = Catering trucks
- III = Deicing units
- IV = Snow ploughs and runway sweepers
- V = Passenger Steps
- VI = Aircraft towing tractors
- VII = Forklifts
- VIII = Passenger bridges
- IX = Transporters
- X = Ground power unit
- XI = Aircondition unit

3.6 Revisions:

NO.	Description	Date	APPR
1	Letter ballot AGE-2C	02/18/83	GR
2	Letter ballot AGE-2 Addition of new symbols	02/29/84	GR

PREPARED BY
SAE SUBCOMMITTEE AGE-2C,
VEHICLE MAINTENANCE AND
AIRCRAFT SERVICING OF SAE
COMMITTEE AGE-2, AIR CARGO
AND AIRCRAFT GROUND EQUIPMENT
AND SYSTEMS

c h a p t e r

1

"equipment lighting"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
1.1	 139 IEC 5012	MASTER LIGHTING SWITCH	ALL GSE	
1.2	 235 ISO 0082	UPPER BEAM	ALL GSE	
1.3	 236 ISO 0083	LOWER BEAM	ALL GSE	
1.4	 239 ISO 0436	CLEARANCE / SIDE-LIGHTS	ALL GSE	
1.5	 244	IDENTIFICATION LIGHT	ALL GSE	
1.6	 245 ISO 0240	PARKING LIGHTS	ALL GSE	
1.7	 246 ISO 0633	FRONT FOG LIGHT	ALL GSE	
1.8	 452 ISO 0634	REAR FOG LIGHT	ALL GSE	
1.9	 1427	WORKING LIGHT	I, II, III, VI	
1.10	 1428	TELESCOPING LIGHT MAST	III IV	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
1.11		STAIR LIGHT	V	
1.12	1938 	WORKING LIGHT	IV	
1.13		REVERSING LAMP	ALL GSE	
1.14	106  IEC 5056	LIGHT INTENSITY	ALL GSE	

c h a p t e r

2

"hydraulics"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
2.1	279  ISO 052E	HYDRAULIC POWER		
2.2	1419 V 	HYDRAULIC OIL		
2.3	2204 E  ISO 0357	HYDRAULIC GENERATOR		
2.4	2205 E  ISO 0358	HYDRAULIC MOTOR		
2.5	2206 E 	HYDRAULIC FLUID		
2.6	2202 E 	HYDRAULIC ACCUMULATOR FULL		
2.7	2207 E 	HYDRAULIC ACCUMULATOR EMPTY		
2.8	2756 E  ISO 0870	HYDRAULIC ACCUMULATOR		
2.9	2866 E 	HYDRAULIC FILTER		

c h a p t e r

3

"pneumatics"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
3.1	274  ISO 0231	PNEUMATIC POWER		
3.2	1662 	CONNECT COMPRESSED AIR COUPLING		
3.3	1663 	DISCONNECT COMPRESSED AIR COUPLING		

c h a p t e r

4

"electrical equipment"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
4.1	15  IEC 5006	OFF (FOR MAINS)		
4.2	16  IEC 5007	ON (FOR MAINS)		
4.3	36  IEC 5031	DC (DIRECT CURRENT)		
4.4	37  IEC 5032	AC (ALTERNATING CURRENT)		
4.5	38  IEC 5033	CURRENT (AC/DC)		
4.6	29  IEC 5003	GALVANIC ELEMENT ACCUMULATOR		
4.7	105  IEC 5004	MANUAL BUTTON		
4.8	43  IEC 5156	TRANSFORMER		
4.9	44  IEC 5157	CONVERTOR		
4.10	45  IEC 5158	UNLOCK	ALL GSE	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
4.11	46 	LOCK	ALL GSE	
4.12	131  IEC 5036	DANGER ELECTRIC POWER	VIII,	
4.13	260  ISO 0024	OPEN	ELECTR. GSE	
4.14	261  ISO 0025	CLOSE	ELECTR. GSE	
4.15	278  ISO 0232	ELECTRIC POWER	ELECTR. GSE	
4.16	494  ISO 0247	BATTERY DC-SUPPLY	all GSE	
4.17	1664  SAENORM.COM	ELECTRIC PLUG CONNECTION (GEN)	ELECTR. GSE	
4.18	1544 E  IEC 5017	GROUND	ALL GSE	
4.19	1545 E  IEC 5019	PROTECTIVE CONDUCTOR	all GSE	
4.20	109  IEC 5002	POSITION OF BATTERY	ALL GSE	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
4.21	1002 	LIMIT SWITCH (GEN.)	ALL GSE	
4.22	1373 	BATTERY OPEN	ALL GSE	
4.23	635  ISO 0147	ELECTRIC MOTOR (GEN.)	ALL GSE	
4.24	636 	GENERATOR (GEN.)	ELECTR. GSE	
4.25	844 	PULL TO ACTIVATE	ELECTR. GSE	
4.26	845 	PUSH TO DEACTIVATE	ELECTR. GSE	
4.27	906 E  IEC 5221	INSULATED TRANSFORMER	ELECTR. GSE	
4.28	907 E  IEC 5222	SAFETY TRANSFORMER, INSULATED	ELECTR. GSE	
4.29	908 E  IEC 5223	SAFETY TRANSFORMER, OPEN	ELECTR. GSE	
4.30	153  IEC 5115	INDICATOR LIGHT	ALL GSE	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
4.31	154  IEC 5172	SAFETY INSULATION	ALL GSE	
4.32	186  IEC 5016	CURRENT FUSE	ELECTR. GSE	
4.33	187  	VOLTAGE FUSE	ELECTR. GSE	
4.34	297  	CURRENT COLLECTOR UP	ELECTR. GSE	
4.35	298  	CURRENT COLLECTOR DOWN	ELECTR. GSE	
4.36	299  IEC 5107	VELOCITY	ELECTR. GSE	
4.37	300  IEC 5108	INCREASED VELOCITY	ELECTR. GSE	
4.38	366  	INPHASE CONDITION	X	
4.39	367  	DEPHASED CONDITION	X	
4.40	371  IEC 5180	SAFETY LOW VOLTAGE	ELECTR. GSE	

c h a p t e r

5

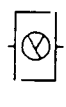
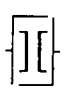
"engine / transmission
power take-off"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
5.1	167  ISO 0015	CLUTCH (GEN.)	ALL GSE	
5.2	174 	TRANSMISSION (GEN.)	ALL GSE	
5.3	488 E 	COMBUSTION ENGINE	VARIOUS GSE	
5.4	489 	EXHAUST GATE	XI, VARIOUS GSE	
5.5	523  ISO 0506	DO NOT SHIFT WHILE RUNNING	X,XI,IV	
5.6	524  ISO 0507	ONLY SHIFT WHILE RUNNING	ALL GSE	
5.7	849  ISO 0013	BELT POWER TRAIN	ALL GSE	
5.8	850 	CHAIN POWER TRAIN	ALL GSE	
5.9	988  ISO 0543	AIR COOLING	all GSE	
5.10	989  ISO 0544	WATERCOOLING	all GSE	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
5.11	1580 	CLUTCH ENGAGED	ALL GSE	
5.12	2865 E 	LUBRICATION OIL FILTER	ALL GSE	
5.13	634 	ROTARY ENGINE	X, XI	
5.14	2171 V 	AUTOMATIC TRANSMISSION	ALL GSE	
5.15	2172 V 	SHIFTED TRANSMISSION	ALL GSE	
5.16		POWER TAKE-OFF OFF	II, X, XI, IV	
5.17		POWER TAKE-OFF ON	II, X, XI, IV	
5.18		POWER TAKE-OFF	I, X, XI, IV	
5.19		TRANSMISSION	ALL GSE	
5.20		TRANSMISSION OIL PRESSURE	ALL GSE	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
5.21		TRANSMISSION OIL TEMPERATURE	ALL GSE	
5.22		TRANSMISSION OIL FILTER	IV	
5.23		AIR FILTER	ALL GSE	
5.24	⁶⁵⁶ 	HYDRAULIC CLUTCH	IV, I III	
5.25	⁶⁵⁷ 	MAGNETIC CLUTCH	X, XI	
5.26	^{2757 E}  ISO 0871	CLOGGED FILTER ELEMENT	ALL GSE	
5.27	^{2822 V} 	COOLER	ALL GSE	

chapter

6

"brakes"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
6.1	²⁶⁵ 	BRAKES SET	ALL GSE	
6.2	²⁶⁶ 	BRAKES RELEASED	ALL GSE	
6.3	^{2400 V} 	BRAKES (GEN.)	ALL GSE	
6.4		PARKING BRAKE	ALL GSE	
6.5		BRAKE FAILURE	ALL GSE	
6.6		HANDBRAKE ENGAGED	ALL GSE	
6.7		HANDBRAKE DISENGAGED	ALL GSE	
6.6		CHECK BRAKE FLUID	ALL GSE	

c h a p t e r

7

"driver's cabin /
operator's stand"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
7.1	100  ISO 0004	TURN RIGHT	ALL GSE	
7.2	114  ISO 0004	TURN LEFT	ALL GSE	
7.3	127  ISO 0004	VENTILATION	ALL GSE	
7.4	128  IEC 5080	LOUD SPEAKER	VIII	
7.5	168  ISO 0258	REVOLUTIONS	ALL GSE	
7.6	170  ISO 0034	THERMOMETER TEMPERATURE	ALL GSE	
7.7	171  ISO 0034	TEMPERATURE DROPPING	III,XI	
7.8	172  ISO 0034	TEMPERATURE INCREASING	III,XI	
7.9	173  IEC 5184	CLOCK TIME SEQUENCE	XI	
7.10	176  ISO 0005	LIMITED OSCILLATING MOVEMENT	IV	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
7.11	240  ISO 0242	CHOKE	ALL GSE	
7.12	242  ISO 0250	FRONT LIGHT WIPERS	ALL GSE	
7.13	243  ISO 0241	FRONT HOOD		
7.14	247  ISO 0086	WINDSHIELD WIPER	ALL GSE	
7.15	295  IEC 5079	EAR PHONES WITH MICROPHONE	IV, III VI	
7.16	358  ISO 0087	WINDSHIELD WASHER & WIPER	ALL GSE	
7.17	359  ISO 0088	WINDSHIELD WASHER	ALL GSE	
7.18	360  ISO 0084	TURN SIGNAL INDICATOR	ALL GSE	
7.19	448  ISO 0010	R PM	ALL GSE	
7.20	450  ISO 0085	HAZARD WARNING	ALL GSE	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
7.21	451 V  ISO 0089	FAN, VENTILATION	ALL GSE	
7.22	482 E  ISO 0635	WINDSCREEN DEMISTER/DEFOGGER	ALL GSE	
7.23	487 E  ISO 0636	REAR WINDOW DEMISTER/DEFOGGER	ALL GSE	
7.24	691  ISO 0159	LEVEL	III	
7.25	713  ISO 0355	COOLANT PUMP	XI	
7.26	714  ISO 0356	WATER PUMP	ALL GSE	
7.27	873  ISO 0182	ADDING/MIXING SYSTEM	III	
7.28	874  ISO 0182	TEMPERATURE CONTROL	XI, III	
7.29	875  ISO 0183	PRESSURE CONTROL	XI	
7.30	1019  ISO 0183	ROTATION COUNTER CLOCKWISE	IV	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
7.31	1442 	WINCH	I	
7.32	1462 	PLATFORM CONTROLLED	I, II, III, V VIII	
7.33	1480  ISO 0432	TEMPERATURE TOO HIGH	XI, III	
7.34	1481 	TEMPERATURE TOO LOW	XI, III	
7.35	1611 	WINDSCREEN DEMISTER	ALL GSE	
7.36	1692  ISO 0242	REAR HOOD		
7.37	1693 V  ISO 0244	HORN	ALL GSE	
7.38	1694  ISO 0245	FUEL	ALL GSE	
7.39	1695 E  ISO 0246	COOLANT TEMPERATURE	ALL GSE	
7.40	1697  ISO 0249	SEAT BELT	IV, III, IX	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
7.41	1710 	ALARM	ALL GSE	
7.42		ENGINE CUT-OFF	ALL GSE	
7.43		DIESEL PRE-HEAT	ALL GSE	
7.44		INTERIOR HEATING	ALL GSE	
7.45	491 	AIRCONDITION SYSTEM	I,VIII,XI	
7.46	ISO 0027 	WINDSHIELD WIPER INTERMITTEND	ALL GSE	
7.47		WINDOW LIFT (POWER OPERATED)	III,VI II,IV	
7.48		HEATED SEAT	ALL GSE	
7.49		MAIN PANEL	I	
7.50		REMOTE PANEL	I	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
7.51		ROOF WINDOW WASHER AND WIPER	III,VI	
7.52	 347 ISO 0595	AIR RECIRCULATION	XI	
7.53	 514 ISO 0363	PILOT FLAME	III	
7.54	 515 ISO 0364	BURNER	III	
7.55	 874 ISO 0182	TEMPERATURE MONITOR	XI	
7.56	 875 ISO 0183	PRESSURE MONITOR	XI	
7.57	 988 ISO 0543	AIR COOLING	XI	
7.58	 989 ISO 0544	WATER COOLING	XI	
7.59	 1201 E	MAIN SHUT-OFF DEVICE FOR WATER	III	
7.60	 1202 E	MAIN SHUT-OFF DEVICE FOR GAS	III	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
7.61	1216  ISO 0559	COOLING CONTROL	XI	
7.62	1263 E 	GAS HEATING	III	
7.63	1264 E 	OIL HEATING	III	
7.64	2738 E  ISO 0880	COOLANT PUMP	I	
7.65	1810 	BURNER (GENERAL)	III	
7.66	2615 V 	BURNER FLAME LOW	III	
7.67	2616 V 	BURNER FLAME HIGH	III	
7.68	2617 V 	PREHEATING TIME	III	
7.69	2826 V 	HEAT SUPPLIED BY BURNER	III	
7.70	2520 	SCALES	VII	

c h a p t e r

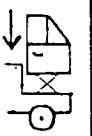
8

"drive / driving position"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
8.1	480 	MOTION FORWARD	ALL GSE	
8.2	481 	MOTION REVERSE	ALL GSE	
8.3	2086 E 	LOWER FORK	VII	
8.4	2087 E 	RAISE FORK	VII	
8.5	2088 E 	TILT FORWARD	VII	
8.6	2089 E 	TILT REARWARD	VII	
8.7	2090 E 	EXTEND REACH	VII	
8.8	2091 E 	RETRACT REACH	VII	
8.9	2092 E 	SIDESHIFT TO LEFT	VII	
8.10	2093 E 	SIDESHIFT TO RIGHT	VII	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
8.11	2094 E 	FORK SPREAD OPEN	VII	
8.12	2095 E 	FORK SPREAD CLOSE	VII	
8.13	2096 E 	SWING ANTI-CLOCKWISE	VII	
8.14	2097 E 	SWING CLOCKWISE	VII	
8.15	2098 E 	RELEASE LOAD STABILIZER	VII	
8.16	2099 E 	CLAMP LOAD STABILIZER	VII	
8.17	2100 E 	EXTEND LOAD	VII	
8.18		CABIN UP	VI	
8.19		CABIN DOWN	VI	
8.20		CRAB STEERING	VI	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
8.21		FRONT AXLE STEERING	VI	
8.22		REAR AXLE STEERING	VI	
8.23		ALL-(FOUR-)WHEEL STEERING	VI	
8.24		MOTION NEUTRAL	ALL GSE	

c h a p t e r

9

"lifting / working position"

SAENORM.COM : Click to view the full PDF of arp1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.1	1013 E 	BODY UP / DOWN	II	
9.2	1302 	RAISING OF MAIN JIB	III IV	
9.3	1303 	LOWERING OF MAIN JIB	III IV	
9.4	1304 	STRAIGHTENING OF FLYING JIB	III IV	
9.5	1305 	BENDING OF FLYING JIB	III IV	
9.6	1306 	CLOCKWISE ROTATION OF CRANE PILLAR	III IV	
9.7	1307 	ANTI-CLOCKWISE ROTATING OF CRANE PILLAR	III IV	
9.8	1308 	EXTENDING OF MAIN JIB	III IV	
9.9	1309 	RETRACTING OF MAIN JIB	III IV	
9.10	1310 	EXTENDING OF FLYING JIB	III IV	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.11	1311 	RETRACTING OF FLYING JIB	III IV	
9.12	1312 	CLOCKWISE ROTATING OF LOAD SUSPENDING DEVICE	I	
9.13	1313 	ANTICLOCKWISE ROTATING OF LOAD SUSPENDING DEVICE	I	
9.14	1318 	STRAIGHTENING OF CRANE PILLAR	III IV	
9.15	1319 	LOWERING OF CRANE PILLAR	III IV	
9.16	1320 	HORIZONTAL EXTENDING OF STABILIZERS	I, II, III, V	
9.17	1321 	HORIZONTAL RETRACTING OF STABILIZERS	I, II, III, V	
9.18	1322 	VERTICAL EXTENDING OF STABILIZERS	I, II, III, V	
9.19	1323 	VERTICAL RETRACTING OF STABILIZERS	I, II, III, V	
9.20	1453 	AXLE CENTRALLY LOCKED	V	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.21	1454 	CENTRAL AXLE LOCKING RELEASED	V	
9.22	1455 E 	STABILIZER EXTENDED ON BOTH SIDES	ALL GSE	
9.23	1456 E 	RIGHT STABILIZERS EXTENDED	ALL GSE	
9.24	1457 E 	LEFT STABILIZERS EXTENDED	ALL GSE	
9.25	1458 E 	RIGHT FRONT STABILIZERS EXTENDED	ALL GSE	
9.26	1459 E 	LEFT FRONT STABILIZERS EXTENDED	ALL GSE	
9.27	1460 E 	LEFT REAR STABILIZERS EXTENDED	ALL GSE	
9.28	1461 E 	RIGHT REAR STABILIZERS EXTENDED	ALL GSE	
9.29	1847 	BRUSH ROLLER PRESSED DOWN	IV	
9.30	1848 	BRUSH ROLLER RELEASED	IV	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.31	1851 	SCATTERING PATTERN	IV	
9.32	1852 	QUANTITY SCATTERING MATERIAL	IV	
9.33	1853 	SCATTERING AMPLITUDE	IV	
9.34	1854 	SNOW PLOUGH (PLOW)	IV	
9.35	1855 	SNOW PLOUGH DOWN (PLOW) (FREE MOTION)	IV	
9.36	1856 	SWING SNOW PLOUGH (PLOW) (FREE MOTION)	IV	
9.37	1926 	BRUSH	IV	
9.38	1927 	ROLLER BRUSH	IV	
9.39	1932 	VIBRATOR OF SWEEPER	IV	
9.40	1933 	DUST FILTER OF SWEEPER	IV	

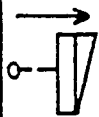
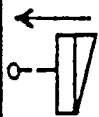
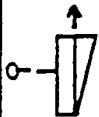
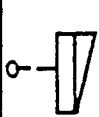
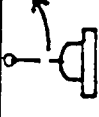
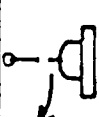
NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.41	1934 	LITTER (PUSHER)	IV	
9.42	1935 E 	SUCTION PIPE PROLONGATION	IV	
9.43	1936 	LITTER RECIPIENT	IV	
9.44	1937 	SPRINKLER WATER	IV	
9.45	1929 	DIRT SCRATCHER	IV	
9.46	1939 	LIFT / LOWER LOADING BUCKET	IV	
9.47	1940 	ACTIVATE LITTER COMPRESSION	IV	
9.48	1941 	CLEAR LOADING BUCKET	IV	
9.49	1942 	ACTIVATE LITTER SUCKER	IV	
9.50	2429 V 	ELEVATING PLATFORM UP	II	

ARP 1838

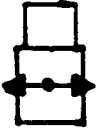
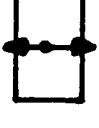
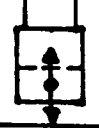
NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.51	2430 V 	ELEVATING PLATFORM DOWN	II	
9.52	2271 	4-SECTION MAST LOWER SECTION 1	III	
9.53	2272 	4-SECTION MAST LIFT SECTION 1	III	
9.54	2273 	4-SECTION MAST LOWER SECTION 2	III	
9.55	2274 	4-SECTION MAST LIFT SECTION 2	III	
9.56	2265 	3-SECTION MAST LOWER SECTION 1	III	
9.57	2266 	3-SECTION MAST LIFT SECTION 1	III	
9.58	2267 	3-SECTION MAST LOWER SECTION 2	III	
9.59	2268 	3-SECTION MAST LIFT SECTION 2	III	
9.60	2269 	3-SECTION MAST LOWER SECTION 3	III	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.61	2270 	3-SECTION MAST LIFT SECTION 3	III	
9.62	2275 	4-SECTION MAST LOWER SECTION 3	III	
9.63	2276 	4-SECTION MAST LIFT SECTION 3	III	
9.64	2277 	4-SECTION MAST LOWER SECTION 4	III	
9.65	2278 	4-SECTION MAST LIFT SECTION 4	III	
9.66	2279 	EXTEND STABILIZERS	I, II, III, V	
9.67	2280 	RETRACT STABILIZERS	I, II, III, V	
9.68		BODY UP / DOWN	II	
9.69		BOOM TELESCOPIC ADJUSTMENT	III	
9.70		PLATFORM UP/DOWN	III	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.71		BOOM UP/DOWN	III	
9.72		BOOM ROTATION	III	
9.73		UPPERBOOM UP/DOWN	III	
9.74		LOWERBOOM UP/DOWN	III	
9.75		BOOM ASSY ROTATION	III	
9.76		PLATFORM SWIVEL MOVEMENT	III	
9.77		BOOM TELESCOPIC ADJUSTMENT	III	
9.78		STAIRS EXTENDED	V	
9.79		STAIRS RETRACTED	V	
9.80		PLATFORM ADJUSTMENT UP/DOWN	V	

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.81		EXTEND BRIDGE	VIII	
9.82		RETRACT BRIDGE	VIII	
9.83		BRIDGE UP	VIII	
9.84		BRIDGE DOWN	VIII	
9.85		BRIDGE TO LEFT	VIII	
9.86		BRIDGE TO RIGHT	VIII	
9.87		CANOPY OUT	VIII	
9.88		CANOPY IN	VIII	
9.89		OPEN ROLLER CURTAIN	VIII II	
9.90		CLOSE ROLLER CURTAIN	VIII II	

ARP 1838

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.91	2110 	STABILIZERS DOWN	I, II, III, V	
9.92	2111 	STABILIZERS UP	I, II, III, V	
9.93	2112 V 	EXTEND STABILIZERS (GEN.)	I, II, III, V	
9.94	2113 V 	RETRACT STABILIZERS (GEN.)	I, II, III, V	
9.95	345 ISO 0073 	SPRAYING SYSTEM ON	III, IV	
9.96		LATERAL TRANSFER MAIN PLATFORM	I	
9.97		LATERAL TRANSFER FORWARD PLATFORM	I	
9.98		LATERAL TRANSFER SINGLE PLATFORM	I	
9.99		LOAD ROTATION	I	
9.100		LONGITUDINAL TRANSFER AFT SECTION MAIN PLATFORM	I	