

Pictograms for Ground Support Equipment

TABLE OF CONTENTS

1.	SCOPE .....	2
2.	REFERENCES .....	2
3.	EXPLANATION .....	2
4.	CHAPTER 1 - EQUIPMENT LIGHTING .....	4
5.	CHAPTER 2 - HYDRAULICS.....	7
6.	CHAPTER 3 - PNEUMATICS .....	9
7.	CHAPTER 4 - ELECTRICAL EQUIPMENT .....	11
8.	CHAPTER 5 - ENGINE/TRANSMISSION POWER TAKEOFF.....	16
9.	CHAPTER 6 - BRAKES .....	20
10.	CHAPTER 7 - DRIVER'S CABIN/OPERATOR'S STAND .....	22
11.	CHAPTER 8 - DRIVE/DRIVING POSITION.....	30
12.	CHAPTER 9 - LIFTING/WORKING POSITION .....	34
13.	CHAPTER 10 - EMERGENCY OPERATION.....	49
14.	CHAPTER 11 - MAINTENANCE .....	52
15.	CHAPTER 12 - MISCELLANEOUS .....	55
	FIGURE 1 .....	4
	TABLE 1 .....	4

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## SAE ARP1838 Revision A

### 1. SCOPE:

This SAE 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, and 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. REFERENCES:

#### 2.1 ANSI Publications:

Available from American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

ISO Document 3461 - 1976 (E) Graphic Symbols - General Principles for Presentation

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

- a. ISO 7000
- b. IEC 417
- c. DIN 30600
- d. 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 3461 - 1976 (E)

### 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.

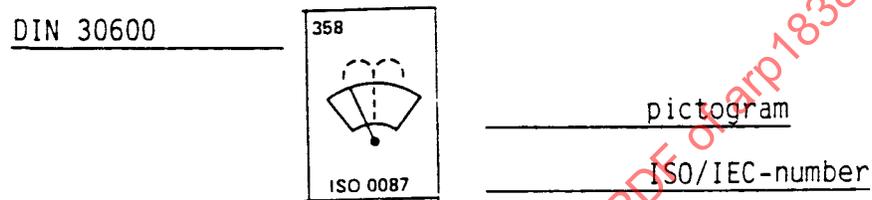
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3.3 If the pictogram has already an ISO/IEC number, this number is indicated below the sign.

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

- a. ISO = International Standard Organisation
- b. IEC - International Electric Commission
- c. DIN = German Industry Standard

3.4 Example (see Figure 1):



NOTES: "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 XII due to lack of space and decode as follows:

- a. I = Loaders, lifting device
- b. II = Catering trucks
- c. III = Deicing units
- d. IV = Snow ploughs and runway sweepers
- e. V = Passenger Steps
- f. VI = Aircraft towing tractors
- g. VII = Forklifts
- h. VIII = Passenger bridges
- i. IX = Transporters
- j. X = Ground power unit
- k. XI = Aircondition unit
- l. XII = Passenger buses

3.6 Revisions (Table 1):

TABLE 1

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
3	Revision A	04/20/92	VU

4. CHAPTER 1 - EQUIPMENT LIGHTING:

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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	

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

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5. CHAPTER 2 - HYDRAULICS:

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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	2864 E 	HYDRAULIC FILTER		

6. CHAPTER 3 - PNEUMATICS:

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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		

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7. CHAPTER 4 - ELECTRICAL EQUIPMENT:

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NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
4.1	<small>15</small>  <small>IEC 5008</small>	OFF (FOR MAINS)		
4.2	<small>16</small>  <small>IEC 5007</small>	ON (FOR MAINS)		
4.3	<small>36</small>  <small>IEC 5031</small>	DC (DIRECT CURRENT)		
4.4	<small>37</small>  <small>IEC 5032</small>	AC (ALTERNATING CURRENT)		
4.5	<small>38</small>  <small>IEC 5033</small>	CURRENT (AC/DC)		
4.6	<small>29</small>  <small>IEC 5004</small>	GALVANIC ELEMENT ACCUMULATOR		
4.7	<small>105</small>  <small>IEC 5005</small>	MANUAL BUTTON		
4.8	<small>43</small>  <small>IEC 5156</small>	TRANSFORMER		
4.9	<small>44</small> 	CONVERTOR		
4.10	<small>45</small> 	UNLOCK	ALL GSE	

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NO.	SYMBOL	TITLE	APPLI-CABLE TO	REMARKS
4.11	<sup>46</sup> 	LOCK	ALL GSE	
4.12	<sup>131</sup>  IEC 5036	DANGER ELECTRIC POWER	VIII,	
4.13	<sup>260</sup>  ISO 6024	OPEN	ELECTR. GSE	
4.14	<sup>261</sup>  ISO 6025	CLOSE	ELECTR. GSE	
4.15	<sup>278</sup>  ISO 6232	ELECTRIC POWER	ELECTR. GSE	
4.16	<sup>494</sup>  ISO 6247	BATTERY DC-SUPPLY	all GSE	
4.17	<sup>1664</sup>  IEC 5017	ELECTRIC PLUG CONNECTION (GEN)	ELECTR. GSE	
4.18	<sup>1544 E</sup>  IEC 5017	GROUND	ALL GSE	
4.19	<sup>1545 E</sup>  IEC 5019	PROTECTIVE CONDUCTOR	all GSE	
4.20	<sup>109</sup>  IEC 5002	POSITION OF BATTERY	ALL GSE	

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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	752 	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	

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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  IEC 5016	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	

8. CHAPTER 5 - ENGINE/TRANSMISSION POWER TAKEOFF:

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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  SQ 0506	DO NOT SHIFT WHILE RUNNING	X,XI,IV	
5.6	524  SQ 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	

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NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
5.11	<sup>1580</sup> 	CLUTCH ENGAGED	ALL GSE	
5.12	<sup>2065 E</sup> 	LUBRICATION OIL FILTER	ALL GSE	
5.13	<sup>634</sup> 	ROTARY ENGINE	X, XI	
5.14	<sup>2171 v</sup> 	AUTOMATIC TRANSMISSION	ALL GSE	
5.15	<sup>2172 v</sup> 	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	

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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	<sup>656</sup> 	HYDRAULIC CLUTCH	IV, I III	
5.25	<sup>657</sup> 	MAGNETIC CLUTCH	X, XI	
5.26	<sup>2757 E</sup>  <small>ISO 0871</small>	CLOGGED FILTER ELEMENT	ALL GSE	
5.27	<sup>2822 V</sup> 	COOLER	ALL GSE	

9. CHAPTER 6 - BRAKES:

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NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
6.1	<sup>265</sup> 	BRAKES SET	ALL GSE	
6.2	<sup>266</sup> 	BRAKES RELEASED	ALL GSE	
6.3	<sup>2400 v</sup> 	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	

10. CHAPTER 7 - DRIVER'S CABIN/OPERATOR'S STAND:

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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 	VENTILATION	ALL GSE	
7.4	128  IEC 5080	LOUD SPEAKER	VIII	
7.5	168  ISO 0258	REVOLUTIONS	ALL GSE	
7.6	170  ISO 2034	THERMOMETER TEMPERATURE	ALL GSE	
7.7	171 	TEMPERATURE DROPPING	III,XI	
7.8	172 	TEMPERATURE INCREASING	III,XI	
7.9	173  IEC 5184	CLOCK TIME SEQUENCE	XI	
7.10	176  ISO 0005	LIMITED OSCILLATING MOVEMENT	IV	

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NO.	SYMBOL	TITLE	APPLI-CABLE TO	REMARKS
7.11	240  ISO 0243	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	

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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 	ADDING/MIXING SYSTEM	III	
7.28	874  ISO 0182	TEMPERATURE CONTROL	XI, III	
7.29	875  ISO 0183	PRESSURE CONTROL	XI	
7.30	1019 	ROTATION COUNTER CLOCKWISE	IV	

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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	

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NO.	SYMBOL	TITLE	APPLI-CABLE TO	REMARKS
7.41	<sup>1710</sup> 	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	<sup>491</sup>  ISO 0027	AIRCONDITION SYSTEM	I,VIII,XI	
7.46		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	

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

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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	

11. CHAPTER 8 - DRIVE/DRIVING POSITION:

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

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NO.	SYMBOL	TITLE	APPLI-CABLE TO	REMARKS
8.11	<sup>2094 E</sup> 	FORK SPREAD OPEN	VII	
8.12	<sup>2095 E</sup> 	FORK SPREAD CLOSE	VII	
8.13	<sup>2096 E</sup> 	SWING ANTI-CLOCKWISE	VII	
8.14	<sup>2097 E</sup> 	SWING CLOCKWISE	VII	
8.15	<sup>2098 E</sup> 	RELEASE LOAD STABILIZER	VII	
8.16	<sup>2099 E</sup> 	CLAMP LOAD STABILIZER	VII	
8.17	<sup>210C E</sup> 	EXTEND LOAD	VII	
8.18		CABIN UP	VI	
8.19		CABIN DOWN	VI	
8.20		CRAB STEERING	VI	

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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	

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12. CHAPTER 9 - LIFTING/WORKING POSITION:

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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	

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

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

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

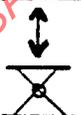
SAE ARP1838 Revision A

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

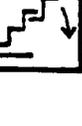
SAE ARP1838 Revision A

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	

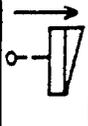
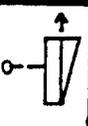
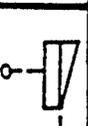
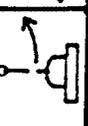
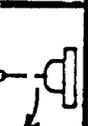
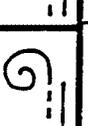
SAE ARP1838 Revision A

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

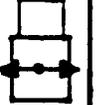
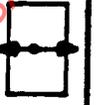
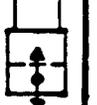
SAE ARP1838 Revision A

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	

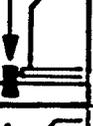
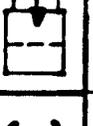
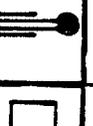
SAE ARP1838 Revision A

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	

SAE ARP1838 Revision A

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	

SAE ARP1838 Revision A

NO.	SYMBOL	TITLE	APPLI- CABLE TO	REMARKS
9.101		VERTICAL MOVEMENT BRIDGE	I	
9.102		VERTICAL MOVEMENT MAIN PLATFORM	I	
9.103		PITCH ADJUSTMENT	I	
9.104		RETRACT CONTAINER STOP	I, IX	
9.105		EXTEND CONTAINER STOP	I, IX	
9.106		RETRACT PALLET STOP	I, IX	
9.107		EXTEND PALLET STOP	I, IX	
9.108		LONGITUDINAL TRANSFER BRIDGE	I	
9.109		TELESCOPING ADJUSTMENT	I	
9.110		LONGITUDINAL TRANSFER MAIN PLATFORM	I	