

GRS**CROSS-REFERENCE**

O.E.M. #	J&A #	DESCRIPTION
153-108	225076-003	ROD, SOLID JAW, L = 72", O = 3", THD = 25"
153-255	225076-002	ROD, SOLID JAW, L = 72", O = 2 1/8", THD = 25"
23109-134	160094-000	ROD, LOCK, L = 63", O = 1 1/2"
23109-174	225073-000	ROD, LOCK, CUP 2-HOLE, L = 60", THD = 18" W/ CONICAL NUTS
23408-1X	013113-000	NUT, AAR GOLD HEX, 14-24
30908-98	160102-000	LUG, LOCK, 5" DROP FOR 1" ROD
32666-3	225008-000	RATCHET ASSEMBLY
P85-365	033001-000	BRUSH, SWITCH MACHINE
41673-76	140139-000	SHIM 1/2" THK, 4 X 9 3/4
42827-43	160037-000	BRACKET
43050-149	225096-004	ROD, SWITCH CIRCUIT CONTROLLER, L = 4'-10"
43050-149	225096-005	ROD, SWITCH CIRCUIT CONTROLLER, L = 6'-2"
45512-71	225088-000	ROD, LOCK, ADJUSTING
46890-3	160106-000	ROD, THROW
51432-226	140140-000	STRAP, 9"
52673-12	160038-000	CLIP
635-91	014019-000	HOOK BOLT, WITHOUT PLATING
A50-205	225153-000	ROD, SWITCH LOCK, L = 86"
A62-217	012901-000	RELAY
A62-506	012900-000	PLUG BOARD, B-1 (STANDARD)
A81-130	160171-000	CAP, WIRE OUTLET, 7K SWITCH CIRCUIT CONTROLLER
A81-137	225409-000	CRANK ARM, 7K SWITCH CIRCUIT CONTROLLER
A85-560	180010-001	KIT, LUG, LOCK, 3 1/2" DROP FOR 1" ROD
A85-561	180010-003	KIT, LUG, LOCK, 2 1/2" DROP FOR 1" ROD
A85-563	180010-000	KIT, LUG, POINT, 2 1/2" DROP FOR 3/4" ROD
A87-233	225328-000	ROD, LOCK (RIGHT HAND)
P91-100	225097-000	PIN, JAW, DIA = 7/8", L = 2 1/4"
A91-101	225255-000	CRANK STAND, HORIZONTAL WITH 1 1/4" PIN
A91-102	225171-000	CRANK, OBTUSE
A91-107	225261-000	COMPENSATOR ARM, STRAIGHT
A91-125	225120-000	SOLID JAW BAR, WITHOUT PIN
A91-126A	225113-001	ROD, SCREW JAW ADJUSTABLE WITH PIN
A91-135	225069-000	ROD, SOLID JAW, L = 42", THDS = 26"
A91-136	225069-001	ROD, SOLID JAW, L = 72", THDS = 26"
A91-139	225101-000	ROD, LOCK, CONNECTOR, DIA = 1 1/4", L = 6'-1"
A91-140	225102-000	ROD, LOCK, CONNECTOR, L = 5'-7", O = 1 1/2"
A91-142	225098-000	BRACKET, SWITCH ADJUSTMENT (HORIZONTAL)
A91-143	225099-000	BRACKET, SWITCH ADJUSTMENT (VERTICAL)
A91-144	225100-000	INSULATION SET FOR 3/4" RODS
A91-147	180032-000	KIT, INSULATION FOR 3/4" BAR
A91-148	180032-001	KIT, INSULATION FOR 1" BAR
A91-149	180032-002	KIT, INSULATION FOR 1 1/4" BAR
A91-160	225108-000	ROD, POINT DETECTOR, L = 36"

J&A INDUSTRIES, INC.

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A91-161	225108-001	ROD, POINT DETECTOR, L = 44"
A91-174	225062-004	ROD, POINT DETECTOR CONNECTING, DIA = 1", L = 7'-8 1/2"
A91-181	225063-000	ROD, SWITCH CIRCUIT CONTROLLER, L = 7'-6"
A91-182	225063-001	ROD, SWITCH CIRCUIT CONTROLLER, L = 9'-6"
A91-190	225096-000	ROD, SWITCH CIRCUIT CONTROLLER, L = 2'-10"
A91-191	225096-001	ROD, SWITCH CIRCUIT CONTROLLER, L = 3'-4"
A91-200	225042-000	LUG, POINT, L = 15 3/4"
A91-201	225042-001	LUG, POINT, L = 18 5/8"
A91-202	225042-002	LUG, POINT, L = 21 3/8"
A91-203	225042-003	LUG, POINT, L = 24 3/8"
A91-207	225107-000	LUG, POINT, L = 15 3/4"
A91-208	225107-001	LUG, POINT, L = 18 1/2"
A91-209	225107-002	LUG, POINT, L = 21 1/4"
A91-210	225107-003	LUG, POINT, L = 24 1/4"
A91-215	180070-000	KIT, SCREW JAW, WITH HARDWARE
A91-341S	225240-004S	ROD, FRONT, 3/4" BOLTS, DROP = 5 3/16"
A91-343	225240-008	ROD, FRONT, 3/4" BOLTS, DROP = 5 3/16"
A91-361	225241-004	ROD, FRONT, 3/4" BOLTS, DROP = 5 3/16"
A91-363	225241-008	ROD, FRONT, 3/4" BOLTS, DROP = 5 3/16"
A91-383	225242-008	ROD, FRONT, 3/4" BOLTS, DROP = 5 3/16"
A91-390	225243-001	ROD, FRONT, 1" BOLTS, DROP = 4 1/4"
A91-391	225243-003	ROD, FRONT, 1" BOLTS, DROP = 5 3/16"
A91-401	225243-004	ROD, FRONT, 3/4" BOLTS, DROP = 5 3/16"
A91-403	225243-008	ROD, FRONT, 3/4" BOLTS, DROP = 5 3/16"
A91-430	225245-001S	ROD, FRONT, HINGED
A91-431M	225245-003M	ROD, FRONT, 1" BOLTS, DROP = 5 3/16"
A91-450	225042-004	LUG, POINT, L = 17 1/4"
A91-451	225042-005	LUG, POINT, L = 20"
A91-452	225042-006	LUG, POINT, L = 22 7/8"
A91-453	225042-007	LUG, POINT, L = 20 5/8"
A91-460	225107-004	LUG, POINT, L = 17 1/8"
A91-461	225107-005	LUG, POINT, L = 19 7/8"
A91-462	225107-006	LUG, POINT, L = 22 3/4"
A91-463	225107-007	LUG, POINT, L = 20 1/2"
P03-105	013115-012	NUT, HEAVY HEX, 1-8, Z/P
P50-403	013290-001	BOLT, MOUNTING, LATCH STAND
P62-402	013001-004	WASHER, INTERNAL LOCK, 1/4" Z/P
P65-182	018017-000	WASHER, RUBBER
P65-183	018015-000	GASKET, KB SIDE COVER
P65-261	018016-000	GASKET, KB MAIN COVER
P65-585	013101-000	NUT, 14-24, AAR
P65-913	150239-000	WRENCH, #10 & #14 TERMINAL NUT
P71-103	014001-1172	PIN, COTTER, 1/4" X 4 1/2"

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O.E.M. #	J&A #	DESCRIPTION
P71-487	013214-000	BOLT, "T", RETARDER
P71-586	225130-000	SHAFT, 9 9/16 - WITH (2-8 NUT & WASHER)
P71-587	225129-000	SHAFT, 15 7/8 - WITH (2-8 NUT & WASHER)
P72-274	013112-108	NUT, FLANGE, 1/2-13 Z/P
P76-101	013112-110	NUT, FLANGE, 3/4-10 (PLAIN)
P76-102	140048-000	CLEVIS PIN
P76-104	140047-000	STUD, ADJUSTING
P76-105	013115-010	NUT, HEAVY HEX, 3/4-10 Z/P
P76-108	013002-000	WASHER, AAR BRASS N/P
P76-131	013102-000	NUT, BINDING AAR, 14-24
P76-289	180048-000	KIT, U-BOLT
P76-326	225014-000	BOLT, WITH NUT
P76-336	018046-000	GASKET, SWITCH MACHINE COVER, L = 6'-0"
P81-101	014001-0624	PIN, COTTER 1/8" X 1 1/2"
P81-140	021000-000	FITTING, GREASE, 3/16" DRIVE
P81-187	110088-001	CRANK ARM, 7K SWITCH CIRCUIT CONTROLLER
P81-192	140529-000	STUD, BALL 5/8-11
P81-193	027019-003	BUSHING, 5/8", L = 25/32" FOR 13/16" BAR
P81-195	013000-009	WASHER, SPLIT LOCK, 5/8" Z/P
P81-199	013114-009	NUT, SLOTTED, 5/8-11 Z/P
P81-204	225072-000	VENTILATOR
P85-1004	180010-012	KIT, LUG, LOCK, 3 1/2" DROP
P85-101	020000-012	KEY, WOODRUFF, #606
P85-105	013000-010	WASHER, SPLIT LOCK, 3/4" Z/P
P85-107	014001-0932	PIN, COTTER, 3/16" X 2" STEEL Z/P
P85-108	013007-010	WASHER, FLAT WROUGHT, 3/4" Z/P
P85-109	013000-009	WASHER, SPLIT LOCK, 5/8" Z/P
P85-1101	225379-000	ROD, LOCK, INTERNAL
P85-117	013000-011	WASHER, SPLIT LOCK, 7/8" Z/P
P85-125	013204-001	SCREW, ROUND HEAD SLOTTED, 14-24 X 1", BRASS
P85-149	019000-000	ROLLER, PHENOLIC, BLK
P85-150	140000-000	STUD
P85-161	018012-000	GASKET, INSULATING
P85-162	140008-000	PIN, 5/32" X 2"
P85-175	017002-000	SLEEVE, CLUTCH SPLINED/CRANK
P85-186	013100-009	NUT, HEX, 5/8-11 Z/P
P85-186	013100-009	NUT, HEX, 5/8-11 Z/P
P85-208	013124-009	NUT, HEAVY HEX JAM, 5/8-11 Z/P
P85-248	013205-1120	SCREW, ROUND HEAD SLOTTED, 1/4-20 X 1 1/4" Z/P
P85-250	013124-010	NUT, HEAVY HEX JAM, 3/4-10 Z/P
P85-251	013200-000	SCREW, DOWEL, L = 5 3/8"
P85-252	013200-001	SCREW, DOWEL, L = 4 1/2"
P85-253	013200-002	SCREW, DOWEL, L = 3 3/8"
P85-254	013200-003	SCREW, DOWEL, L = 6 1/8"

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O.E.M. #	J&A #	DESCRIPTION
P85-255	013200-004	SCREW, DOWEL, L = 1 3/4"
P85-267	022000-000	BUSHING, OILITE, 1 1/4" OD X 1" ID X 1 1/2"
P85-286	121000-000	GIB, THROW BAR, 2 1/8" X 2"
P85-297	018014-000	GASKET, THROW BAR
P85-302	225038-000	TUBE, COMPLETE
P85-307	018013-000	GASKET, FIBER
P85-334	017006-000	GEAR, BEVEL, 30 TOOTH
P85-365	033001-000	BRUSH, GRS #37938-18
P85-380	021000-002	FITTING, GREASE, 1/4" DRIVE
P85-382	220001-000	FITTING, OILER BOTTOM
P85-383	220003-000	FITTING, OILER TOP
P85-385	021002-003	FITTING, GREASE 1/4" DRIVE, 65 DEGREE
P85-395	033000-000	BRUSH, GATE MOTOR
P85-405	150096-000	WRENCH, SW ADJUSTING, OPEN END, 2"
P85-406	150080-000	WRENCH, SW ADJUSTING, OPEN END, 1 5/8"
P85-407	150081-000	WRENCH, SW ADJUSTING, OPEN END, 1 1/4"
P85-408	150097-000	WRENCH, SW ADJUSTING, OPEN END, 1 1/16"
P85-424	140162-000	BOLT, SQUARE, 7/8-9 X 3 1/2", 5/8 THK HD Z/P
P85-449	075002-000	CONNECTOR, L = 11 1/2"
P85-457	018045-000	GASKET, SWITCH MACHINE COVER, L = 9'-0"
P85-468	225004-000	ROD, LOCK (LEFT HAND)
P85-469	225135-000	ROD, LOCK (RIGHT HAND)
P85-470	160167-000	BAR, STRAIGHT
P85-471	160020-000	BAR, STRAIGHT
P85-482	140012-000	PLATE, ADJUSTING (LEFT HAND)
P85-483	140342-000	PLATE, ADJUSTING
P85-498	110001-001	GEAR, 79 TEETH
P85-499	110001-002	GEAR, 74 TEETH
P85-500	225124-000	GEAR, COMPLETE
P85-507	017003-000	PINION, 12 TEETH
P85-508	017001-000	PINION, 11 TEETH
P85-517	018000-000	CLUTCH DISC
P85-522	140001-000	SHAFT
P85-523	140009-000	SHAFT, L = 6 3/4
P85-552	013114-011	NUT, SLOTTED, 7/8-9 Z/P
P85-595	121004-000	GUARD, THROW BAR
P85-596	121039-000	GUARD, THROW BAR
P85-606	017004-002	PINION, CLUTCH, 16 TEETH
P85-607	017004-003	PINION, CLUTCH, 12 TEETH
P85-608	017004-000	PINION, CLUTCH, 14 TEETH
P85-609	017004-001	PINION, CLUTCH, 19 TEETH
P85-709	110009-001	COUPLING, STRAIGHT, THROW BAR, 3.25", .875 DIA HOLES
P85-719	140650-000	PLATE, LATCH STAND MOUNTING
P85-729	160046-000	ROD, ADJUSTING

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O.E.M. #	J&A #	DESCRIPTION
P85-730	160046-001	ROD, ADJUSTING
P85-735	140168-000	CLIP, DETECTION, DOUBLE SLIP SWITCH, 1
P85-737	121005-000	GUARD, LEFT HAND
P85-738	121015-000	GUARD, RIGHT HAND
P85-764	225003-000	ROD, INTERNAL, POINT DETECTOR (LEFT HAND)
P85-765	225003-001	ROD, INTERNAL, POINT DETECTOR (RIGHT HAND)
P85-775	031010-000	BLOCK, MOTOR CUTOFF, COMPLETE
P85-794	225418-000	LATCH STAND
P85-799	140007-000	STUD, COMPLETE, 1" - .875", 3.6" L
P85-802	013090-001	WASHER, LOCK, LATCH STAND MOUNTING
P85-810	121001-000	CLIP, GIB, 1 1/2" X 1 3/4"
P85-826	225154-000	CRANK, HAND
P85-839	017000-000	GEAR, COMPLETE, 24 TEETH
P85-840	017005-000	GEAR, COMPLETE, 25 TEETH
P85-862	121003-000	WEAR PLATE, LOCK ROD, 1 1/2" X 3/4"
P85-863	121003-001	WEAR PLATE, LOCK ROD, 1 1/4" X 5/8"
P85-864	180026-000	KIT, WEAR PLATE
P85-865	180028-000	KIT, WEAR PLATE
P85-878	031000-007	TERMINAL BLOCK, 10 POST AAR
P85-881	160047-000	ROD, WITH STUD, 3/4-10 X 5 1/4"
P85-925	110027-001	CONNECTOR, THROW BAR, 3 3/8" OFFSET
P85-931	013204-002	SCREW, ROUND HEAD SLOTTED, 14-24 X 1 1/4", BRASS
P85-999A	140053-000	CAM, FOR 1/2" SHAFT
P87-108	013203-514	SCREW, HEX HEAD CAP, 5/8-11 X 1 5/8" Z/P
P91-100	225097-000	PIN, JAW, DIA = 7/8", L = 2 1/4", WITH COTTER PIN
P91-101	140191-000	PIN, JAW, DIA = 7/8", L = 2 1/4"
P91-102	225114-000	PIN, WITH FITTING, DIA = 1 1/4", L = 5"
P91-110	110026-001	SCREW JAW, 1 1/4-7 FOR 7/8" PIN
P91-111	013115-014	NUT, HEAVY HEX, 1 1/4-7 Z/P
P91-112	014043-000	RIVET, 1/4" X 1 3/4" STEEL, ROUND HD
P91-120	225106-000	BOLT, CLEVIS, 7/8-9, L = 3 1/16"
P91-122	140095-000	NUT, CONICAL, 1 1/4-7
P91-123	013124-014	NUT, HEAVY HEX JAM, 1 1/4-7 Z/P
P91-124	110036-001	NUT, ADJUSTING, 1 1/4-7
P91-140	225136-000	BOLT, SQUARE, 1/2-13 X 2 1/4"
P91-142	013010-000	WASHER, SAE, 15/16" X 1 3/4"
P91-143	016003-000	LUG, SPRING, 1/8" SS
P91-144	013124-012	NUT, HEAVY HEX JAM, 1-8 Z/P
P91-145	150073-000	PLATE, WASHER, 5", FOR 1" BOLTS
P91-146	150074-000	PLATE, WASHER, 5", FOR 3/4" BOLTS
P91-160	140247-000	BOLT, WITH HOLE, 3/4-10 X 3 1/2"
P91-161	140247-001	BOLT, WITH HOLE, 3/4-10 X 4"
P91-162	140247-002	BOLT, WITH HOLE, 3/4-10 X 4 1/2"

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P91-163	140247-003	BOLT, WITH HOLE, 3/4-10 X 5"
P91-164	140247-004	BOLT, WITH HOLE, 3/4-10 X 5 1/2"
P91-170	140248-000	BOLT, WITH HOLE, 3/8" THICK HEAD, 3/4-10 X 3 1/2"
P91-171	140248-001	BOLT, WITH HOLE, 3/8" THICK HEAD, 3/4-10 X 4"
P91-172	140248-002	BOLT, WITH HOLE, 3/8" THICK HEAD, 3/4-10 X 4 1/2"
P91-173	140248-003	BOLT, WITH HOLE, 3/8" THICK HEAD, 3/4-10 X 5"
P91-174	140248-004	BOLT, WITH HOLE, 3/8" THICK HEAD, 3/4-10 X 5 1/2"
P91-181	140249-000	LUG, 2 1/2" WIDE
P91-190	140250-000	BOLT, WITH HOLE, 1-8 X 3 1/2"
P91-192	140250-002	BOLT, WITH HOLE, 1-8 X 4 1/2"
P91-193	140250-003	BOLT, WITH HOLE, 1-8 X 5"
P91-194	140250-004	BOLT, WITH HOLE, 1-8 X 5 1/2"
P91-221	013121-010	NUT, SQUARE HEAVY, 3/4-10 Z/P
P91-222	013114-010	NUT, SLOTTED, 3/4-10 Z/P
P91-227	013121-012	NUT, SQUARE HEAVY, 1-8 Z/P
P91-228	013114-012	NUT, SLOTTED, 1-8 Z/P
P91-230	013000-015	WASHER, SPLIT LOCK, 1 1/4" Z/P
P91-246	013217-640	SCREW, SQUARE, 3/4-10 X 2 1/2" Z/P
P91-263	140128-000	BUSHING, 1" ID
P91-270	150093-000	BUSHING, FRONT ROD, 3/4" X 1" OD X 3/4" ID
P91-273	140338-000	BAR, TRANSIT ROD, 1" THICK X 36" L
P91-278	220029-011	LUG, LEFT HAND, 1" DIA. SLOTS, 13 1/8" X 4 1/4"
P91-279	220029-111	LUG, LEFT HAND, 1" DIA. SLOTS, 15 1/8" X 5 3/16"
P91-280	220029-021	LUG, LEFT HAND, 1" DIA. SLOTS, 13 1/8" X 5 3/16"
P91-282	220019-011	LUG, RIGHT HAND, 1" DIA. SLOTS, 13 1/8" X 4 1/4"
P91-283	220019-111	LUG, RIGHT HAND, 1" DIA. SLOTS, 15 1/8" X 5 3/16"
P91-284	220019-021	LUG, RIGHT HAND, 1" DIA. SLOTS, 13 1/8" X 5 3/16"
P91-290	110045-001	LUG, CENTER, FOR 1 1/4" ROD
P91-312	150070-000	PLATE, CONNECTOR, FOR 3/4" BOLT, 1/2" THICK
P91-313	150079-000	PLATE, CONNECTOR, 1/4" THICK
P91-316	110034-001	BASKET, ADJUSTING BODY
P91-328	019021-000	BUSHING, INSULATED, 3/4" ID X 31/32" L
P91-338	013000-013	WASHER, SPLIT LOCK, 1" Z/P
P92-144	013104-012	NUT, HEX JAM, 1-8 Z/P