


BILL OF MATERIAL

Part No.	Description	Quantity
00595-249	BAR, 3/4" X 3/4" X 2 3/4"	1
10208-GEN	HAND BRAKE W/SHEAVE WHEEL, SEE FCA BOM	1
10209-GEN-1	BRAKE REGULATOR, SEE JAC3 BOM	1
10210-002-03	RESERVOIR, TWO COMPARTMENT	1
10210-002-07	HANDLE, CONTROL VALVE RELEASE	1
10210-002-28	ANGLE COCK, 1 1/4" GRIP SEAL	2
10210-011	BRAKE CYLINDER, NYAB, ABU-2, 10 X 12	1
10210-095	RETAINER VALVE, NYAB FLOOR MOUNT	1
10210-211	CONTROL VALVE, SINGLE SIDED W/RECEIVER	1
10210-257	DIRT COLL./CUT OUT COCK, NYAB 786381	1
10210-258	LOCKING SPRING, NYAB #786423	1
10210-259	PULLROD BRACKET, NYAB #786424	1
10210-279	PULLROD, NYAB, PART 788488	1
10214-001	PUSH ROD, 1 3/8 DIA X 26 1/4 LG	1
10215-154	BODY BRAKE LEVER, 9 1/4" X 10 1/4"	2
10215-183	BODY BRAKE LEVER, 14 3/8" X 15 1/4"	1
10215-188	BODY BRAKE LEVER, 14 3/8" X 15 1/4" X 5 3/4"	1
10222-008	LINK, 3 1/2"	2
10223-001-02	WEDGE, 1 1/4" PIPE CLAMP	9
10223-007-02	WEDGE, 3/4" PIPE CLAMP	5
10223-027	BASE, 1 1/4"PIPE CLAMP (7597)	2
10224-008	BRAKE PIN, 1.0937" DIA X 4.25"	1
10224-031	BRAKE PIN, 1.0937" DIA X 3"	18
10224-032	BRAKE PIN, 1.0937" DIA X 4.75"	1
10224-033	BRAKE PIN, 1.2187" DIA X 3"	2
10224-037	BRAKE PIN, 1.0937" DIA X 2.125"	1
10225-134	BRAKE BADGE PLATE, -	1
10229-230	HOSE ASSEMBLY, 22" LONG	2
10231-008	LOCKBOLT, C50L30-BR20-8Ga	6
10231-009	LOCKBOLT, C50L30-BR20-12Ga	6
10231-013	COLLAR, 3LC-2R20GAL	12
10232-014	JOINER, CHAIN	1
10232-090	CHAIN, HAND BRAKE, 36 LINKS, 1/2 IN	1
10238-003	COTTER PIN, 5/16" X 2"	1
10238-010	COTTER PIN, 5/16" X 2 1/2", SELF-LOCK	23
10238-024	COTTER PIN, 1/4" X 1"	1
10240-003	NIPPLE, 1 1/4" X 10" XH THREADED BOTH ENDS	2
10240-066	GASKET, 1" GASKET	2
10240-069	GASKET, 3/4" GASKET	10
10240-071	GASKET, 3/8" GASKET	4
10240-083	COUPLING, 1 1/4" SW X THRD	2
10250-002	NUT, CENTER LOCK @ 3/8" - 16, ZINC PLATED	2
10250-003	NUT, CENTER LOCK @ 1/2" - 13, ZINC PLATED	10
10250-004	NUT, CENTER LOCK @ 5/8" - 11, ZINC PLATED	24
10250-006	NUT, CENTER LOCK @ 1" - 8, ZINC PLATED	3
10260-002	PIPE, 1.250 Ø, EXTRA HEAVY	3
10264-001	UNA-DRIV, 5/8" DIA X 1 1/2"	6
10264-004	NUT, 5/8" UNA-DRIV STOVER	6
10281-152	VOLUME RESERVOIR, ELLCON, 350 CU IN	1
10281-153	E/L DEVICE, ELLCON ENX-50R-F 50%	1
10292-001	WEAR LINER, RELEASE ROD	6
10292-043	PROTECTOR, BRAKE ROD	1
10293-001	BRANCH TEE, REDUCING, 3000#	1
10298-013	BOLT, 1/2" DIA X 2"	6
10298-017	BOLT, 1" DIA X 7"	3
10298-018	BOLT, 5/8" DIA X 2", ZINC PLATED	6
10298-042	BOLT, 3/8" DIA X 1 1/2", ZINC PLATED	2
10298-044	BOLT, 5/8" DIA X 2"	6
10298-064	BOLT, 5/8" DIA X 1 1/2", ZINC PLATED	2
10298-067	BOLT, 1/2" DIA X 1 1/4", ZINC PLATED	2
10298-074	BOLT, 1/2" DIA X 2 1/4", ZINC PLATED	2
10298-152	BOLT, 5/8" DIA X 2 3/4", ZINC PLATED	5
10298-213	BOLT, 5/8" DIA X 3", ZINC PLATED	1
10340-011	WASHER, 5/8", HARDENED	6
10340-015	WASHER, 5/8", GR 8, ZINC PLATED	2
10340-032	WASHER, 1/2", GR 8, ZINC PLATED	1
10340-111	WASHER, 5/8" HARDENED, ZINC PLATED	6
10341-001	CAP SCREW, 1/2" X 1 1/2" HH, LOCKING	2
10341-002	CAP SCREW, 1/2" X 1 1/4" HH, LOCKING	16
10341-004	CAP SCREW, 3/8" X 1" HH, LOCKING	8
10343-002	U-BOLT, 5/8" DIA X 4 1/8" X 3 1/8"	2
A102612-000	ASSEMBLY, ANGLE COCK	2
A102620-011	ASSEMBLY, PIPE CLAMP (1 1/4")	3
A102620-021	ASSEMBLY, PIPE CLAMP (1 1/4")	3
A102666-000	ASSEMBLY, PIPE CLAMP (1 1/4")	1
A102720-004	ASSEMBLY, END HANDRAIL	1
A102720-005	ASSEMBLY, END HANDRAIL	1
A107078-000	ASSEMBLY, 3/4" PIPE CLAMP SUPPORT	1
A107081-000	ASSEMBLY, TOP ROD, 7/8" DIA.	2
A107084-001	ASSEMBLY, CENTER ROD, 1" DIA.	1
A108965-000	ASSEMBLY, E/L TO VOLUME RES PIPE	1
A108966-000	ASSEMBLY, CNTRL VALVE TO E/L PIPE	1
A108967-000	ASSEMBLY, CNTRL VALVE TO E/L PIPE	1
A108968-000	ASSEMBLY, E/L TO CYLINDER PIPE	1
A108969-000	ASSEMBLY, E/L TO CYLINDER PIPE	1
A108970-000	ASSEMBLY, EMER RES TO CNTRL VALVE	1
A108971-000	ASSEMBLY, AUX RES TO CNTRL VALVE	1
A108972-000	ASSEMBLY, CNTRL VALVE TO RET VALVE	1
A108973-000	ASSEMBLY, TRAINLINE PIPE @ B-END	1
A108974-000	ASSEMBLY, TRAINLINE PIPE @ B-END ON SIDE SILL	1
A108975-000	ASSEMBLY, TRAINLINE PIPE @ A-END	1
A109012-000	ASSEMBLY, BRANCH PIPE	1
M101070-005	CLEVIS, 3 1/4"	5
M101147-001	GUIDE, HAND BRAKE CHAIN	1
M101180-017	SUPPORT, RELEASE ROD	1
M101180-020	SUPPORT, RELEASE ROD	2
M101492-012	LEVER, ACTUATOR	1
M102707-009	SUPPORT, HANDRAIL	1
M102707-010	SUPPORT, HANDRAIL	1
M103219-003	CLEVIS, 10 7/8"	4
M108687-001	RELEASE ROD, -	1
M109013-000	PLATE, SHED	1
M109041-000	SUPPORT, CONTROL VALVE SHED PLATE	2
M109172-000	MOUNTING PLATE HAND BRAKE	1



oved	Description
	REVISIONS
	<i>FreightCar</i>

FREIGHTCAR America

Tolerances (Unless Noted)	
0.063	Hole Diameters ± 0.031
/variation	Angles $\pm 1^\circ$
Surface finish	Tolerances apply to all surfaces

Date: 12-28-12	Ref Dwg: N/A
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ARRANGEMENT BRAKE

Drawing / Part Number	Rev.
A108046-000	R