

FREIGHT CARS --- TRUCK CLASSIFICATION

INTERPRETATION OF CLASSIFICATION

SYMBOL	REFERS TO
FIRST	NUMBER OF AXLES PER TRUCK
SECOND	A. A. R. CLASS LETTER FOR JOURNAL DIA. ONLY
THIRD	DASH - FOR STANDARD A. A. R. AXLE. NUMBER - FOR NUMERICAL DEVIATION FROM A. A. R. STANDARD
FOURTH	SERVICE OF TRUCK. F - FREIGHT
FIFTH	CONSECUTIVE DESIGN OF TRUCK FOR CLASS
SIXTH	MODIFICATION TO TRUCK DESIGN

A. A. R. CLASS	A	B	C	D	E	F
JOURNAL SIZE	3 3/4" x 7"	4 1/4" x 8"	5" x 9"	5 1/2" x 10"	6" x 11"	6 1/2" x 12"
CAPY. PER AXLE	15000	24000	32000	40000	50000	60000

INTERPRETATION OF DESCRIPTION

- FRAME -

A. B.	ARCH BAR
S. C.	CAST STEEL

- SPRINGS -

C	COIL ONLY
E	ELLIPTIC ONLY
C-E	COIL ELLIPTIC - TERMED NON-HARMONIC
C-SE	COIL SEMI-ELLIPTIC
C-S	COIL SNUBBER (ONE SNUBBER UNIT IN SPRING GROUP)
S-E	SEMI-ELLIPTIC

- BRAKE -

CL	CLASP
S	SINGLE (SPREADER UNDER SPRING PLANK)
O	SPREADER THROUGH BOLSTER
G	SPREADER THROUGH BOLSTER AND HORIZONTAL LEVER

- DIMENSIONS -

W. B.	WHEEL BASE
H	HEIGHT CENTER PLATE FROM RAIL, EMPTY CAR
	WHEELS 33" DIA. UNLESS OTHERWISE NOTED

TRACING CA22600

CLASS OF TRUCKS	FRAME	WHEEL BASE	H	SPRINGS	BRAKE	WEIGHT PER TRUCK	CLASS OF CAR
2A-F1	A.B.	5'-0"	27 $\frac{5}{8}$ "	E	S	5700	NDA, N4, N5.
2A-F2	S.C.	5'-0"	27 $\frac{5}{8}$ "	E	S	5500	NDA, N5.
2A-F3	S.C.	5'-0"	27 $\frac{5}{8}$ "	C-E	S		N5, N5A, N5D,
2A-F4	S.C.	5'-0"	27 $\frac{5}{8}$ "	C-E	O	5650	N5, N5B,
2A-F5 B.W.	S.C.	5'-3"	27 $\frac{5}{8}$ "	C-E	O	5650	N5B, N5C, N6B, NDA
2B1F2	A.B.	5'-0"	27 $\frac{5}{8}$ "	E	S	5850	N6A, N6B.
2C-F1	A.B.	5'-6"	27 $\frac{5}{8}$ "		S	7350	FL, F24, S5, XLH.
2D-F1	A.B.	5'-6"	27 $\frac{5}{8}$ "	C	S	7750	FM, GLA, GLB, GLC, GP, GPA, GR, GRA, GS, GSA, GSC, GSD, GSX, H22, XL, XLA, X23, X24, X25, X25A, X28A, X29
2D-F2 CROWN	S.C. ANDREWS	5'-6"	27 $\frac{5}{8}$ "	C	S	7950	
2D-F3 U.S.R.A.	S.C. ANDREWS	5'-6"	25 $\frac{1}{2}$ "	C	S	8100	GLD, GZA, X26, X26A, X26C,
2D-F3A U.S.R.A.	S.C. ANDREWS	5'-6"	25 $\frac{1}{2}$ "	C-E	S		
2D-F4	S.C.	5'-6"	26 $\frac{3}{4}$ "	C	S	7500	X28A, X29.
2D-F4A	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-E	S	7500	
2D-F5 (30" DIA. WHEELS)	A.B.	5'-6"	22 $\frac{1}{2}$ "	C	S		F21, F21A, F21B, F21C.
2D-F7	S.C.	6'-0"	26 $\frac{3}{4}$ "	S-E	S	11300	X29 (EXPRESS SERVICE)

TRACING C422800

CLASS OF TRUCK	FRAME	WHEEL BASE	H	SPRINGS	BRAKE	WEIGHT- PER TRUCK	CLASS OF CAR
2D-F8	S.C.	5'-6"	27 $\frac{1}{4}$ "	C	S	7500	FM, GLA, GLB, GLC, GLE, GLE, GLG, GP, GPA, GR, GRA, GS, GSA, GSC, GSD, H22, K7, KB, UG, XL, XLA, XLC, X23, X23A, X23B, X24, X25, X25A, X25B, X25C, X25D, X28A, X29, X29A, X30.
2D-F8A	S.C.	5'-6"	27 $\frac{1}{4}$ "	C	S	7500	U4.
2D-F8(MOD)	S.C.	5'-6"	27 $\frac{1}{4}$ "	SYM.GTN.	S	7500	FM.
2D-F9	S.C.	5'-6"	25 $\frac{5}{8}$ "	C	S	7500	TM8, TM10.
2D-F10	S.C.	5'-6"	27"	C-E	S	7500	FM, X29, X35.
2D-F11							(NOT USED)
2D-F12	S.C.	5'-6"	27 $\frac{1}{4}$ "	C-E	S	7500	FM, F32, GLA, GS, K7A, XL, X23, X25, X25A, X28A, X29, X31, X31A, X31B, X31C, X31F, X32, X32A, X32B, X32C, X33, X33A, X36.
2D-13 NATIONAL	S.C.	5'-6"	26 $\frac{7}{8}$ "	C-SE	S	7500	X31, X31A, X31F.
2D-F14 YOUNG	S.C.	5'-6"	27 $\frac{1}{4}$ "	C-SE	S	7150	X29
2D-F15							(NOT USED)
2D-F16 DOUBLE TRUSS	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-E	S	7350	X29 (EXPRESS SERVICE)
2D-F17 ELSEY	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	0	7950	X29. ONE CAR
					⊖	8250	X38. 75 CARS 1940
2D-F17A	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	8550	X29, X37B, X38, H31, X38A,
2D-F18	S.C.	5'-6"	27 $\frac{1}{4}$ "	C-E	0	7350	(TENDERS)

TRACING C 422800

CLASS OF TRUCK	FRAME	WHEEL BASE	H	SPRINGS	BRAKE	WEIGHT PER TRUCK	CLASS OF CAR
2D-F19	S.C.	5'-6"	27 $\frac{1}{4}$ "	C-E	⊖	7350	X37
2D-F20 NATIONAL	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	7250	X37, X37A, X37B
2D-F21 YOUNG'S	S.C.	5'-6"	27 $\frac{1}{4}$ "	C-SE	⊖	7300	X37B, X38
2D-F21A	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	7350	X37B, X38A,
2D-F22 BARRETT WHITEHEAD	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	7650	X29, X38.
2D-F22A	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	7650	X37B, X38, X38A
2D-F22B	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	7650	X38A
2D-F22C	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	7800	X38, H31,
2D-F22D	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE HELPER SPRING	⊖		
2D-F23 ALLIED FULL-CUSHION	S.C.	5'-6"	26 $\frac{3}{4}$ "	C PETESTAL	CL	9400	X38, G29B P30A X32 (KITCHEN)
2D-F24 BUCKEYE ALL-SERVICE	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	8100	X37B, X38B,
2D-F25 A.S.F. RIDE-CONTROL	S.C.	5'-6"	26 $\frac{3}{4}$ "	C	⊖	7150	X38,
2D-F26 A.S.F. A-3 RIDE-CONTROL	S.C.	5'-6"	25 $\frac{3}{4}$ "	C 3 $\frac{1}{2}$ TRAY	⊖	6350	X40, X40A, X41, X41A,

TRAILING C 422800

CONTINUED ON P.7

CLASS OF TRUCK	FRAME	WHEEL BASE	H	SPRINGS	BRAKE	WEIGHT PER TRUCK	CLASS OF CAR
2E-F1 (MOD)	S.C.	5'-8"	27 $\frac{5}{8}$ "	C	S	9000	H21A
2E-F2 CROWN	S.C. ANDREWS	5'-10"	27 $\frac{5}{8}$ "	C	S	9550	F25, F25B, G22, G22A, H21A, H21B, H25, H22A, FN, FNA.
2E-F2 CROWN	S.C. ANDREWS	5'-10"	27 $\frac{5}{8}$ "	C-S	S	9550	G21, G22, G22A, H21B, H22A, H30.
2E-F2A	S.C. ANDREWS	5'-10"	27 $\frac{5}{8}$ "	C-E	S		H21A, H21D, H22A, H25, H30.
2E-F3 U.S.R.A.	S.C. ANDREWS	5'-8"	25 $\frac{1}{2}$ "	C	S	9550	G25, G25A.
2E-F3A	S.C. ANDREWS	5'-8"	25 $\frac{1}{2}$ "	C-E	S		
2E-F4	S.C.	5'-8"	26 $\frac{3}{4}$ "	C	S	9000	F30, G26.
2E-F4A	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-E	S		F30, G26.
2E-F5 DALMAN	S.C.	5'-8"	27 $\frac{5}{8}$ "	C	S	8850	H21A, H22A.
2E-F6	S.C.	5'-10"	27 $\frac{5}{8}$ "	C	S	9350	H25.
2E-F6A	S.C.	5'-10"	27 $\frac{5}{8}$ "	C-E	S		
2E-F7 NATIONAL	S.C.	5'-6"	27 $\frac{5}{8}$ "	C	S	9250	G26
2E-F8 DALMAN	S.C.	5'-8"	26 $\frac{3}{4}$ "	C	S	9100	G26
2E-F9	S.C.	5'-8"	26 $\frac{7}{8}$ "	C-E	S		F31, F31A
2E-F10 DOUBLE TRUSS	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-E	S	8500	F30A, F30C, G27, H30
2E-F11 NATIONAL	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	S	8300	G27, H30
2E-F12 YOUNG	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-SE	S	8500	G27, H30.
2E-F13 DOUBLE TRUSS	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-E	O	8600	G27, (F30A, 1 CAR)
2E-F14 NATIONAL	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	O	8350	G27, H30.
2E-15 YOUNG	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-SE	O	8550	G27, H30.

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CLASS OF TRUCK	FRAME	WHEEL BASE	H	SPRINGS	BRAKE	WEIGHT PER TRUCK	CLASS OF CAR
2E-F16 DOUBLE TRUSS	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-E	⊖		
2E-F17 NATIONAL	S.C.	5'-6"	26 $\frac{3}{4}$ "	C-SE	⊖	8300	G26A, G28, G29, G27, G30
2E-F18 YOUNG	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-SE	⊖	8550	G26A, G28, G29, G29A
2E-F19 BARRETT WHITEHEAD	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-SE	⊖	8800	G28, G29, G30 F37
2E-F20 ELSEY	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-SE	⊖	9850	G28, G29
2E-F21 NATIONAL TYPE B-1	S.C.	5'-8"	26 $\frac{3}{4}$ "	C	⊖	8200	G30
2E-F22 A.S.F. A-3 RIDE CONTROL	S.C.	5'-8"	25 $\frac{3}{4}$ " 18" DIA.	C	○		H30, 1946
2E-F23 NATIONAL B-Y DUAL CONTROL	S.C.	5'-6"	25 $\frac{3}{4}$ " 14" DIA.	C	○		NONE

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CLASS OF TRUCK	FRAME	WHEEL BASE	H	SPRINGS	BRAKE	WEIGHT PER TRUCK	CLASS OF CAR
2F-F1 CROWN	S.C. ANDREWS	5'-10"	27 $\frac{5}{8}$ "	C	S	10300	F25A, H24
2F-F2	S.C.	5'-8"	26 $\frac{3}{4}$ "	C	S	10500	F22, F23, H27
				C-E	0		F22, G22B.
2F-F3 DUAL TRUCKS SPAN BOLSTER	S.C.	5'-0" SINGLE TRUCK UNIT	25"	C	C	10000 SINGLE TRUCK UNIT	F34
		10'-0" SPAN BOLSTER	35"	-	-	25800 COMPL. ETC.	
2F-F4	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-E	E	10000	G22B. F30
2F-F5 B.W.	S.C.	5'-8"	26 $\frac{3}{4}$ "	C-SE	⊖	10400	G22B
2D-F26A A.S.F. A-3 RIDE CONTROL	S.C.	5'-6"	25 $\frac{3}{4}$ "	C 3 $\frac{1}{16}$ " TRAY.	⊖	6350	X40B, X41A, X41B,
2D-F27 NATIONAL B-1 DUAL CONTROL	S.C.	5'-6"	25 $\frac{3}{4}$ "	C	⊖		NONE
2D-F28 B-W	S.C.	5'-6"	26 $\frac{3}{4}$ "	C 3 $\frac{1}{16}$ " TRAY.	⊖		EXP.
2D-F28A B-W	S.C.	5'-6"	25 $\frac{3}{4}$ "	C 3 $\frac{1}{16}$ " TRAY.	⊖		EXP.

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CLASS OF TRUCK	FRAME	WHEEL BASE	H	SPRINGS	BRAKE	WEIGHT PER TRUCK	CLASS OF CAR.
3E-F1	S.C.	9'0"	27 $\frac{5}{8}$ "	C	CL	17200	G23, H26
3F-F1	S.C.	9'0"	27 $\frac{5}{8}$ "	C	CL	19800	F28, F29
3F-F2 BUCKEYE	S.C.	9'0"	27 $\frac{5}{8}$ "	C	CL	20850	F29
				C-S	CL	20850	F33, F35
3F-F3 BUCKEYE	S.C.	9'0"	27 $\frac{5}{8}$ "	C-S	CL	20900	F36, F33

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