

AAR RULE 88 SAMPLE CAR INSPECTION CHECKLIST

Company: (Company Name)	
Location: (City, State)	Inspection Date: (Month/Day/Year)
Car Initial and Number: (Car Initial & Number)	Car Type: (List Car Type)
Car Built Date: (Car Built Date)	Car Rebuilt Date (if applicable): (Month/Year)
Rack Initial and Number: (Rack Initial & Number)	Rack Built Date: (Month/Year) Rebuilt Date: (Month/Year)

Results of mechanical inspection made to determine if above sample car complies with the requirements of Sections A and B of the Field Manual and Section C.2. of Office Manual Rule 88.

	Description:	Length: (List Length)	Width: (List Width)	Yes	No*
1	Was car modified per Section c. (if yes, answer item 2)?				
2	Was change submitted to AAR Mechanical Division? Date:				
3	Compliance with AAR S-400, Air Brake Specification No. 2518, "Installation of Freight Car Air Brake Equipment".				
4	Must be equipped with DB10 or ABDX control valves.				
5	Equipped with 1967 three-position retainer valve.				
6	Retaining valve location in accordance with AAR standard.				
7	Standard air hose assemblies must have wide-lip coupling design per AAR Standard S-491- latest revision.				
8	Air brake pipes of welded fabrication.				
9	Equipped with combined type dirt collector and cutout cock or branch pipe cut-out and angle cock must be of approved ball type valve construction and properly located.				
10	Single car test performed and properly registered in UMLER.				
11	Brake pipe length properly stenciled, if required by Field Manual Rule 80.				
12	<input type="checkbox"/> -Static dynamometer brake shoe test performed in accordance with S-401.				
13	Equipped with high friction composition brake shoes.				
14	Equipped with new or reconditioned No. 18 or higher brake beam.				
15	Must be equipped with closed brake rod supports.				
16	For units equipped with conventional body mounted brake rigging must have AAR approved Group E double acting slack adjusters.				
17	Brake pipe restriction test performed per S-471.				
18	Units must be equipped with AAR approved Group geared hand brakes.				
19	Units must be tested to ensure that brakes will remain applied as determined by a brake cylinder leakage test. (S-401)				
20	Units having truck mounted brake systems must have a relay system or a water tight slack adjuster.				
21	All brake system hoses (except end air brake hoses and hoses of less than 5/8 inch inside diameter must meet M-618 & M-927 requirements				
22	Hoses of less than 5/8 inch inside diameter must be of a similar type single wire construction.				
23	Equipped with Brake Cylinder Pressure Tap in accordance with S-4020-98.				
24	Must be equipped with a 4-pressure receiver for accepting Automatic Single Car test devices.				
25	Units must be equipped with New or Reconditioned AEI tags meeting the requirements of S-9203.				
26	Units must conform to Specification M-1001, Design, Fabrication and Construction of Freight Cars. Sec. 3.1.2.6.1. (a) does not apply to rebuilt units.				
27	Metal brake steps and end platforms AAR approved meeting the requirements of S-226.				
28	<input type="checkbox"/> -Equipped with bottom or double shelf Type E couplers.				
29	<input type="checkbox"/> -Equipped with Type E/F couplers in accordance with FM Rules 17/18, Section B.				
30	For tank cars, except AAR207W, equipped with double shelf couplers.				

AAR RULE 88 SAMPLE CAR INSPECTION CHECKLIST (Cont'd)		Yes	No*
31	Cars equipped with Grade E coupler must be equipped with Grade E yoke.		
32	Friction draft gears removed for inspection.		
33	When applying AAR M-901-E or M-901G draft gears, the striker arrangement must be modified to provide a 3-3/4 inch horn to striker horizontal clearance and a 13 inch key slot.		
34	<input type="checkbox"/> -Units up to and including 286,000 must be equipped with M901C, M901E, M901G, or M901H draft gear (unless gas return cushioning).		
35	If 70 ton car, equipped with Y44 or Y46HTE or Y46AE follower.		
36	Box car side doors must comply with S-212 of Sec. C. Plug type doors on box cars must comply with S-213 and S-214.		
37	<input type="checkbox"/> - Floors must be of AAR approved Material.		
38	Covered hopper scissor type outlet gates are prohibited.		
39	<input type="checkbox"/> - Refrigerator or insulated box cars must have insulation of the rigid, closed cellular plastic type of mineral or glass fibrous type.		
40	Equipped with adequate jacking pads and must have provisions for lifting loaded unit. S-234		
41	Length of units with two trucks must not exceed 89'-4" over end sills and 90' over strikers, except for sliding sill length for cushion travel.		
42	Light weighing must be in accordance with AAR Interchange Field manual Rule 70.		
43	<input type="checkbox"/> - If painted, critical components protected from blasting abrasive and paint.		
44	<input type="checkbox"/> - Required stenciling complete and proper in accordance with S-910 or S-913.		
45	Boxcar in excess of 15'9" stenciled on end with floor height and center of gravity in accordance with S-910.		
46	Equipped with new or reconditioned roller bearings.		
47	Box cars must not have underside of roof coated with an asphalt base material.		
48	Covered hopper cars to be equipped with sealing devices on outlet in accordance with S-233.		
49	Flanged type body center plates must be attached in accordance with S-204.		
50	Unless approved by AAR, body center plates consisting of cylindrical bowls welded to backing plate w/o an AAR approved interlocking plate are prohibited.		
51	Center sill must conform to AAR Specification M-1001, Charpy V-notch requirements in Chapter 3 apply only to new material added not to existing material.		
52	Units must have trucks equipped with new or reconditioned AAR approved side frames and bolsters. Car builder must record manufacturer and pattern number and records kept for 10 years.		
53	<input type="checkbox"/> - Units must have trucks equipped with approved snubbing devices or built-in snubbing feature.		
54	Units with total weight on rail of 263,000 lbs., must have wear liners applied to the center plate in accordance with S-308.		
55	<input type="checkbox"/> - Side bearing clearance 3/16" min 5/16" max except constant contact type. Body side bearing & attachments in accordance with S-235		
56	Equipped with recertified or new truck springs of approved design.		
57	Solid spring group capacity must provide a minimum of 1.5. times static sprung spring load based on nominal spring capacity or a minimum of 1.45 if equipped with hydraulic snubbers. Spring groups for M-976 must comply with Field Manual Rule 46 for that truck design.		
58	Equipped with heat treated curved plate wheels and AAR approved raised wheel seat design axles..		
59	<input type="checkbox"/> - If general service flat car, equipped with lading strap anchors in accordance with S-228		
60	TOFC units with trailer hitches must be in accordance with M-928. COFC units having container support and securement systems must be in accordance with M-952.		
61	<input type="checkbox"/> - If multi-level, proper maximum clearance at ends.		
62	<input type="checkbox"/> - If multi-level, equipped with continuous low-profile tie-down track.		
63	<input type="checkbox"/> - If multi-level, equipped with lubricated RR&R tie-down equipment or tie-down equipment renewed and lubricated.		
64	<input type="checkbox"/> - Multi-level certified in accordance with M-970.		
65	Safety appliances in compliance with S-2044.		
66	All units must conform to applicable AAR Interchange requirements in effect on the date built or rebuilt. Must conform to AAR Specification M-1001. Must be manufactures or rebuilt in a facility that has a AAR Quality Assurance Certification, M-1003.		
67	Are consolidated stencil and contents proper? If applicable, brake cylinder piston travel decal applied?		
68	Is Reflectorized tape applied to the car body must be in compliance with S-910?		
69	Is welding being performed by qualified personnel?		

- For more details, refer to the Office Manual of the AAR Interchange Rules.

*See exception sheet for detail of exception.

FACILITY LOCATION

70	Shop where brake valves reconditioned/new.	
71	Shop where roller bearings reconditioned/new.	
72	Shop where side frames/bolsters reconditioned/new.	
73	Shop where hand brakes reconditioned/new.	
74	Shop where cushioning devices reconditioned/new.	
75	Shop where brake beams reconditioned/new.	
76	Shop where slack adjusters reconditioned/new.	
77	Photos of unit enclosed. YES NO	
78	Other comments	