

Private Car Annual Inspection Report

PC-1 Page 1 of 4 Requires PC-1A, PC-1B, PC-3, PC-4, PC-6, PC-7 PC-5 if clearances were modified

(Please Print)					
Amtrak Car Number	Car Name/Nu	mber	Inspection Date	Location	
Car Type	Year Built	Amtrak A	Authorized Inspector	Phone Number	

Owner's Name				Phone Number	
Address		City	State	Zip Code	
Air Brake Type	Relay Valve Type	COT&S Date	COT&S Location	n	
Lube Date	Coupler Type 'A' End		Coupler Type 'B	' End	
<u>Amtrak Authorized inspector shall initial</u> each line when that item is in compliance, any item not applicable should be marked N/A. Car must have all defects repaired before Inspector signs the completed form. <u>*Note – star items</u> in list are only a suggested defect list, and may not be complete.					

Ins	pection Items	Initial
1.	Effective October 1, 2014, verify that the wheelset component serial numbers and AAR	
	wheel shop information of all current wheelsets on the car (check against Form PC-4) are	
	documented on Form PC-6, including axle test reports and AAR wheel shop component	
	information sheets. Verify that all wheelsets do not have wheels or axles which are	
	condemnable under AAR Field Manual Rule 90.B.6.a through 90.B.6.1 and 90.B.6.n.	
2.	Verify that all periodic axle and wheel ultrasonic inspections have been performed when due	
	and documented on Form PC-7	
3.	Effective October 1, 2014, verify that any wheelset installed on car since last PC-1	
	Inspection (check against Form PC-4) is documented to be assembled by AAR certified	
	wheel shop per AAR S-659 and RP-631 procedures; wheels are AAR M-107/M-208	
	wrought steel; axle is AAR M-101 Grades F, G or H; new axle ultrasonically tested both	
	axially and radially; used or secondhand bare axle magnetic particle tested using fluorescent	
	(black light) wet method and surface defects repaired; used wheelset axle ultrasonically	
	inspected; bearings either new or AAR shop reconditioned; and AP style bearings have	
	mounting shop ID and date stamped on locking plate. Axles condemned through ultrasonic	
	testing are to have both end caps removed, a 3" groove (cut or ground) into the end of the	
	axle, and both axle body and ends painted red.	
4.	Verify that the following Private Car forms are kept on the car, and are up-to-date: Form PC-	
	3 Route/Mileage Log, Form PC-4 Shop Report, Form PC-6 Wheelset Serial Number	
	Records, and Form PC-7 Axle and Wheel Periodic Ultrasonic Test Results.	
5.	Verify that the last Form PC-2A periodic heavy inspection time or mileage limits will not	
	expire during the next 12 months; if so the PC-2A inspection must be repeated prior to	
	conducting the PC-1 Annual Inspection.	
6.	Check that Amtrak 800000 ID number is on both left and right sides of car at B or blind end.	
	Verify that both sides of car are equipped with AEI transponder tags.	
7.	Verify that car is fully equipped with Amtrak HEP electrical trainlines, 27 point Door	
	Control/Communication pass-through trainline (must have by January 1, 2014), and a main	
	air reservoir trainline. HEP trainlines are on both A and B ends, and right and left sides.	
	HEP trainline connections conform to Amtrak pigtail and receptacle arrangement.	

Amtrak Car	Car Name/Number	Inspection Date	Location	
Number		inspection Date		
	<u> </u>		· · · · · ·	T
			cessive corrosion, and all car	
			ecurely attached. Verify that car	
	ly finished and lettered			
			e last Amtrak PC-5 Clearance	
			Perform new PC-5 Clearance	
	mensions have change			
10. Check bearing	s for overheating, wa	ater submersion, leak	ing seals, improperly installed.	
Check that a c	car with inside journa	l bearings is equippe	d with an on-board hot journal	
	n with a visual and audi			
			dates* are not past due. Oil - 30	
	d after January 1, 2020			
			ive wear or broken, no excessive	
	otion causing wheel co			
			ire. Verify that AP bearing cap	
			P style bearing locking plates are	
	roper date and mounting		style bearing locking plates are	
			ken, loose, bent or broken weld,	+
	omer linings, cracks at			
-		-	ement, correct fasteners, and not	
	g. Must be present on			
1	. ·		g hangers, springs, truck frames,	
			enter plate liner and fasteners for	
			defects such as *cracked, broken	
			nor rods, defective rubber anchor	
	ruck contacting carbod			
			ects*. Verify all axles do not	
have any crack	s, welds, breaks nor be	nds. Verify no loose b	rake disc, disc surface wear	
exceeding 1/4".	, loose bolts, missing lo	ock plates or safety wi	res. Disc surface scratches are	
permissible. N	icks on outside edges of	of brake discs shall not	t exceed 3/4" wide radially or	
more than 1/4"	deep into braking surf:	ace. Disc thermal crac	cks shall not exceed 3", be	
			reach the edge of the ring."	
			lignment and proper application.	
	ness: 1/4" for disc bral			
			ings, brake cylinders and brake	1
			s, misadjusted/inoperative slack	
			nd hangers are properly secured,	
5	e .		safety lug on brake frame side	
	f "C" Frame (CFM) dis		surery lug on blace name side	
			1, 2015) for proper amount of	
			nd Spicer drive. Check play in	
· •	· · ·	. unve shart ciuten a	nd spicer drive. Check play in	
universal joints		11 1 1		
			icable AAR Manual of Standards	
			rim thickness, flange height and	
	s. Document if any wh			<u> </u>
			rbody*, no loose or broken bolts	
			s properly secured, safety guards	
		es through floor from	removed equipment, elastic lock	
	hreads showing, etc.			
			leaks, and no fluid accumulation	
			or other fluid system piping is	
shielded from	debris damage. Verify	that engine set has s	shielded exhaust system directed	
away from air	intakes, fuel lines or v	vayside detectors. Ve	erify that any on-board generator	
uses a load tran			-	
		d fuel lines are not da	maged, protected against foreign	
			onnection at tank has a valve.	
			on (holding) tank or biological	1
			with a valve and an Andrews 4"	
		11 0 1 mrr **		. L

Amtra Numł	ak Car ber	Car Name/Number	Inspection Date	Location	
	inside the car.	ote drain valve operation from			
	Recommended	1 1 1	revision, metallic pipin	ained in accordance with AAR ng is used, and gas cylinders are	
27.	Visual inspection Tightlock type couplers. Veri	on of all couplers, draft CS, F, or H, with draf fy no worn knuckles,	gear and components [*] t gear free slack not to worn knuckle pin, h	*. Verify coupler at both ends is o exceed 1/2". Gauge test both oose carrier iron bolts, broken	A End:
		Check operating rod o 2", minimum 34").	clearance. Measure of	coupler height (maximum 35",	B End:
	ends*. Buffer h			n rods, and springs at A and B or single level cars, and 104"-	A End:
					B End:
	appliance stand		and holds have a mini	or compliance with FRA safety imum clearance of 2", sill steps	
	self-contained b	attery backup source.	-	A and B ends, and that it has a	
	flammable liqui	ds are not stored in the	interior of a car occup		
	32. Inspect* all 480 volt HEP trainlines, Door Control/Communications trainline and any Locomotive MU Control trainline, cables and jumpers for any defects, deterioration in the insulation, debris damage, cracking or fraying of insulation. Inspect conduit over trucks for securement. Inspect for missing High Voltage warning signs.				
33.	33. Check the call bell (door bell) system at the A and B ends for proper operation.				
	34. Check if Amtrak air brake COT&S date is past due: UC - use is prohibited; D22 - 3 years; 26C and KE - 4 years; ABD, ABDW, ABDXL and DB-60 - 6 years.				
	•			erior near end doorway. Verify applied" indicator on each side	
	air test to be co dirt collector/cu	onducted. Verify that atout cock, properly or	air brake system conn	permit passenger car single car ection to brake pipe uses AAR . Check that truck cutout cocks d.	
	as carbody to t	ruck) are not damage	ed. Check that any ho	mediate air brake hoses (such ose using AAR M-601 fabric	A-End Brake Pipe:
	reinforced hose is less than 8 years old. Check that any AAR M-618 or M-927 style wire reinforced hose, or hose under 5/8" inside diameter, is less than 12 years old (10				A-End Main Reservoir:
	years preferred).			•	D. E., J. D., L., D',
					B-End Brake Pipe:
					B-End Main Reservoir:
:	reservoir of air	•		n, etc.) are supplied by supply or and regulator valve, and has	
39.	Inspect and test no binding of a application and				

Amtrak Car Number	Car Name/Number	Inspection Date	Location		
 40. Perform a Single Car Air Test of brake system, using appropriate procedures and Single Car Testing Device for the design of the car brake system*. Verify that Testing Device is within calibration date. Test an ABDW air brake system with freight Single Car Testing Device, using AAR S-486 test codes including test code Section 4.3, Auxiliary Devices, for tests of other auxiliary devices such as relay valve and modulating valve. Record on form PC-1B. Brake cylinder full service application pressure: Brake cylinder emergency application pressure: 					
Wheel Number	· Rim Thick	mess Flange	Height	Flange Thickness	Wrought Steel (Y/N)
1					
2 3					
4					
5					
6					
7					
8					
9					
10 11					

Note: Finger gauge may not be used to condemn wheels for flange height or thickness.

If finger gauge indicates condemning limit has been reached, confirm condition with Combined Wheel Gauge W620-4.

Glazing Location	Certified Glazing (YES/NO)	Glazing Type, if YES
Side Facing		
End Facing		

Emergency Window Type: Dull Handle \ Description Breakable Safety Glass with Hammer

Is	Emergency	Window	identified	inside of the	Car:	T Yes	No No

Additional inspection documentation attached:	Yes	🗌 No
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I certify that each item on this form was inspected, all items are found to be in compliance, and agree that Amtrak may rely upon the accuracy of this form.

Inspector Signature	Inspection Date
Dambers	