Metro Bus Inspection Worksheet - Gillig Bus

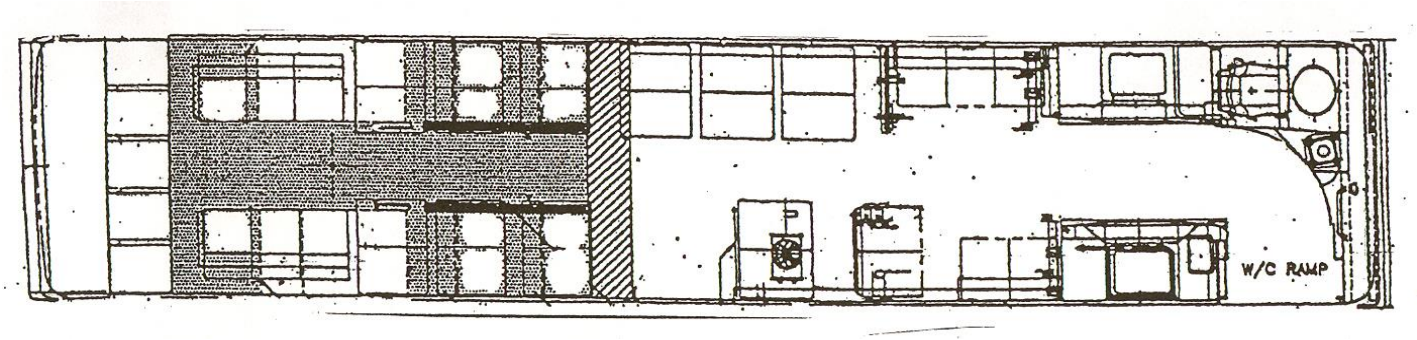
Bus #	Date:
Mileage:	Type of Inspection: Basic 1 2 3 4 (circle one)
Inspection W/O#:	Inspected By:

#	Inspection Item	Code	Problem Found	Mech
A	Pressure Wash Bus			
1	Road Test-Document			
2	Check Service and Parking Brakes Use Mobile Brake Test Machine			
3	Check Steering Column - condition and function			
4	Check Steering Wheel - check free play			
5	Check Horns (2)			
6	Check Master Switch and Knob - operation and condition			
7	Check Start Button/Control Panels/operation of all switches, lights, warnings, Back-Up Alarm, Farebox Safety Padding Intact			
8	Check Fast Idle- insure proper operation of system			
9	Check door control/door operation..w/chair lift w/chair interlock- lubricate drive			
10	Check Front Entrance Doors - condition and operation - including emergency release			
11	Check Rear Entrance Doors - condition and operation - Sonic controls & sensitive edges- including emergency release			
12	Check Low Air Warning Devices - operation			
13	Check Park Brake Control - valve should pop off between 45 and 60 PSI			
14	Check Air Compressor Cut In_____PSI Cut Out_____PSI 80 to 120 in _____ Seconds(Spec/90 Sec) - Build system to max air			
15	Test Air System Leak-Down (Engine Off) _____PSI per minute (Spec=<3psi)			
16	Test Air Pressure Drop (Brake Applied) _____PSI per minute (Spec=<3psi)			
17	Check Brake Treadle Assembly - operation - clean debris from under pedal - lubricate pivot			
18	Check Accelerator Pedal Assembly - clean debris from under pedal - lubricate pivot			
18a	Check Electronic Throttle Position Sensor - mounting and smooth travel			
19	Check Door Air Dump Valve - operation - secure mounting			

Interior

#	Inspection Item	Code	Problem Found	Mech

20	Check Frt. Door Emergency Open Valve - operation and cover condition			
21	Check All Overhead Access Doors - mounting and fasteners			
22	Check Drivers Barrier - condition and mounting			
23	Check Drivers Seat - condition, adjustability, floor mounts, seat belt condition and alarm			
24	Check Front Modesty Panel (curb-side) - condition and mounting			
25	Check Front Entrance Grab Rails - condition and mounting			
26	Check Electronic Run Number Box - operation and mounting			
27	Check Registration Card			
28	Check Passenger Compartment Grab Rails and Stanchions - condition and mounting			
29	Check Passenger Seats restraints, wheelchair locks and belt retractors-mounting, condition, and cleanliness-mark defects on illustration			



Door Glass, Windshield and Mirror Condition

30	Check Door and Side Glass - operation and condition			
31	Check Exterior Mirrors - operation and condition			
32	Check Windshield for any defects			
33	Check Sunshades/Sunvisors - operation and condition			
34	Check Roof Escape Hatches - operation and condition			
35	Check Interior Decals - condition and placement (decal list in narrative)			
36	Check Passenger Chimes/Tapeswitch - operation and condition			
#	**Inspection Item**	**Code**	**Problem Found**	**Mech**

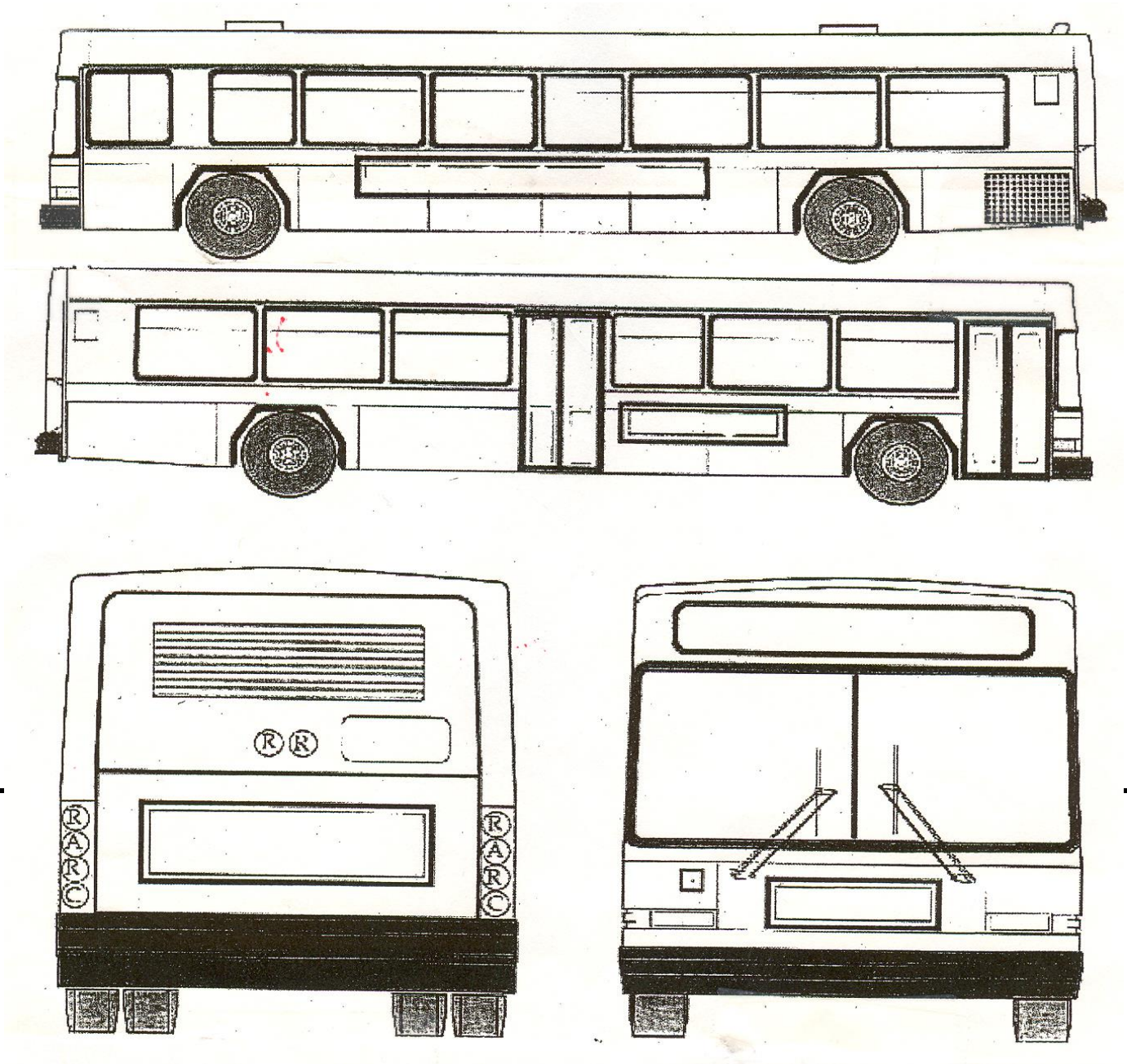
37	Check Dome Lamps, Interior Lights - operation and condition			
38	Check Side Destination Signs - operation and mounting			
39	Check Interior Mirrors - mounting and condition			
40	Check Air Conditioning Access Panel - condition and fasteners			
41	Check HVAC Filter (behind rear access door) - replace if dirty			
42	Check Heater/Defroster Outlets - clean wire mesh screens - as needed			
43	Check Air Conditioning Functions			
43a	Check Heat Functions			
43b	Check Proheat Coolant Heater - operation and condition			
44	Voith Transmission Controller Keyswitch - set to "economy" mode - check and verify			
Assistant Section				
45	Check Rear Door Operation			
46	Check Rear Door Safety Devices/Interlock System-sensitive edges			
47	Check Air Tank Valves - Check for leakage and operation			
48	Check Foot Valve Operation - (foot service brakes)			
49	Check (3) Low Air Warning Devices at 70 PSI_____+/-7PSI			
50	Check (3) Brake Light Switches-Insure brake lamps operate when park/foot brake applied/interlock			
51	Check Air Drier Operation - Cycle Airdrier/Purge - look for excessive oil			
52	Check Brake Slack Adjuster and Record Travel L/F_____RF_____Inch L/R_____R/R_____Inch- adjust and check self adjuster operation			
53	Check Brake Block Thickness L/F_____RF_____Inch L/R_____R/R_____Inch SPEC=less than 1/8" above wear line			
54	Check Entire Steering System: Rods, Str Arm, Drag Link, Str Box, Str Shaft, mounting			
55	Check Amerex Fire Warning System - condition of all components and control panel			
Circle Inspection				

#	Inspection Item	Code	Problem Found	Mech
56	Check Windshield Washer Fluid Door - condition and operation/lubricate/fill washer fluid			
57	Check J-Box, Rear Run Box -condition and operation			
58	Check Battery Compartment Door - condition and operation/lubricate			
59	Check Radiator Door (road-side) - condition and operation/lubricate			
60	Check Proheat Coolant Heater Assy.- for clean lines and operation, insure disable switch "on"			
61	Check Muffler Access Door - condition and operation/lubricate			
62	Check Engine Compartment Door - condition and operation/lubricate			
63	Check Upper HVAC Access Door - condition and operation/lubricate			
64	Check Hyd./Air Dryer Access Door - condition and operation/lubricate			
65	Check Air Filter Access Door - condition and operation/lubricate			
66	Check Fuel Fill Door - condition and operation/lubricate			
67	Check Windshield Wipers/Washer Nozzles - condition and operation			
68	Check Front Bumper and Bike Rack Condition			
69	Check Outer Axle Hubs for Fluid Leaks			
70	Check All Lights and Reflectors - insure operation and proper mounting			
71	Inspect/Record Body Damage (include all body/suspension supports-check for excessive corrosion) (Use supplemental attached illustration)			
72	Check Exterior Mirrors - condition and operation - lubricate as needed			
73	Check License Plate and Mount - condition			
74	Check Rear Bumper - condition			
75	Check exterior decals (decal list in narrative)			
Tire and Wheel Inspection				
76	Check Tire Pressure and Record SPEC =105LBS.		R/F_____RRO_____RRI_____ L/F_____LRO_____ LRI_____	
77	Check Valve Stems and Caps			
78	Check Remaining Tread Depth - Record		R/F_____RRO_____RRI_____ L/F_____LRO_____LRI_____	
79	Check Dual Mating (with square)			
#	**Inspection Item**	**Code**	**Problem Found**	**Mech**

80	Check Tires for Wear/Damage			
81	Check Wheels-Cracks/Loose Nuts			
82	Torque Wheel Fasteners (450-500 FT/LB)			
83	Torque Drive Axle Flange Nuts 150-230 FT/LB			
Engine Compartment Inspection				
84	Record Coolant Protection (Min -20F)			
85	Test Coolant - using acustrips install coolant additive if necessary			
86	Check Cooling System for Leaks -pressure test as necessary			
87	Check Coolant Hose Condition - insure hoses are routed and secured properly			
88	Check Belt Tension and Condition			
89	Check A/C Compressor Mounting and Alignment			
90	Check Exhaust for Leaks - lubricate engine exhaust brake on ISB engines with synthetic lube			
91	Check Muffler Mounts and Tailpipe Clearance at Roof			
92	Check Hyd. Fan Drive, Fan and Fan Shroud - insure proper clearance and condition of components			
93	Check Radiator, Oil & Charge Air Cooler - mounting/fasteners- condition of cores and fins			
94	Check Engine for Fluid Leaks			
95	Check Engine Mounts (trans end)			
96	Check Engine Mounts (front of engine)			
Engine and Engine Shutdown System				
97	Check Shutdown Override Switch Operation			
98	Check Engine Compartment Lights			
99	Check Rear Run Switches			
100	Check Battery Cable Connections at Alternator and Bulkhead			
101	Check/Record Alternator Output Voltage:_____volts			
102	Check Air Filter and Vacuator Valve			
103	Check Air Intake Plumbing			
104	Run Engine-Check for Noise/Engine Miss			
105	Check/Record Oil Pressure (at idle) _____SPEC.+12 PSI Min.55PSI Max			
Under-Vehicle Inspection				
#	**Inspection Item**	**Code**	**Problem Found**	**Mech**

106	Check Drivetrain, Hydraulic Hoses, Air Hoses, Starter Wiring & Mounting			
107	Check Engine/Transmission Mounts			
108	Check Engine for Oil Leaks			
109	Check Transmission - Leaks/Corrosion			
110	Check Rear Axle Housing and Differential - fill to proper levels- Synthetic Lube Only			
111	Check Axle Breather - clean as needed			
112	Check Driveline U-Joints, Slip Yoke			
113	Check Suspension System for Loose Bolts, Cracks - shocks, torque rods			
114	Check Air Bags for Leaks, Deterioration or Damage - leveling valves			
115	Check Ride Height - See specifications in narrative			
116	Check All Frame Attachments including fuel and airtanks, mounting and straps			
Raise Front End				
117	Check for loose/noisy wheel bearings			
118	Check Kingpins for Wear			
119	Check Steer Axle Tow - IN (can be done with toe-bar or on brake machine) Spec.=1/16"			
Lubrication				
120	Lubricate Chassis - include suspension, brake, driveline and steering components			
121	Lube HVAC Freon Compressor Clutch - use unirex lubricant - Do Not Over Lubricate!			
122	Change Engine Oil and Filters - take oil sample			
123	Change Transmission Oil/Filters - take oil sample (change only if directed by workorder)			
124	Differential fluid-change at 54,000 mile interval Use Synthetic gear lube (directed by workorder)			
Battery Inspection				
#	**Inspection Item**	**Code**	**Problem Found**	**Mech**
125	Check and Record Battery State of Charge - using hydrometer			
	Battery 1 1_____3_____5_____			
	2_____4_____6_____			
	Battery 2 1_____3_____5_____			
	2_____4_____6_____			
126	Check Battery Terminals and Cables			
#	**Inspection Item**	**Code**	**Problem Found**	**Mech**

127	Load Test Batteries: 1/2 Rated Crank Amps (600) for 15 seconds			
128	Hybrid Roof - mount component inspections: (Bus Main Power must be shut off prior to inspection) - check condition of roof fairings - open forward access doors and curb-side rear access panels - inspect/clean a/c filter - check condition and mounting of all components, wiring, plumbing.			



BODY ILLUSTRATION DIAGRAM

SPECIALTY ITEMS

	Inspection Item	Code	Problem Found	Mech
129	Cummins ISL Engine (1000B models) Crankcase Breather- change 54,000 miles Directed by Workorder			
	All other ISB engines will have breathers replaced by a specific workorder			

COMMENTS