

VEHICLE FACTORS GROUP CHAIRMAN'S FACTUAL REPORT

Vehicle Attachment 8 - MTA Preventive Maintenance Work Orders

Baltimore, **MD**

HWY17MH007

(48 pages)

CM 2580	577 GIIIMOD
PREVENTIVE MAINTENANCE w/o #_2550763 BUS #_05090 Mary	6,000 MILES INTERVALMileage444,205DATE09/15/16
PPE EQUIPMENT REQUIRED TO COMPLETE PMI 1) SAFETY GLASSES 2) SAFETY SHOES 3) WORK GLOVES 4) HEARING PROTECTION (SUGGESTED)	TOOLS AND SUPPLIES REQUIRED TO COMPLETE A PMI 1) FLASH LIGHT 2) COMPARTMENT "T" Key 3) AIR GAUGE 4) TIRE DEPTH GAUGE 5) RULER (scaled in 32nds ") 6) CALIPER 7) SMALL STEP LADDER 8) Voltmeter 9) Refractometer

6,000 MILE INSPECTION (Drum Brake & Oil) - New Flyer (04000, 05000) Revised on 12/03/2015

ITEM	DESCRIPTION	INSP BY	PASS/FAIL	DEFECT
1.0	IN CAB-START UP INSPECTION (Approx: 10 Min)			
1.1	Inspect for overall cab cleanliness and safety hazards	1	F	NEEDS SWERT
1.2	Using master switch. Verify operation of all diagnostic and warning lights, alarms and buzzers	10	P	
1.3	Verify ABS system check (light)	6	P	
1.4	Start engine; listen for unusual noises during starting. Inspect shutdown system	1. 6	P	
1.5	Inspect active engine code light for active faults on dash board. Record (C.E.L, EMISSIONS, ETC)	10	P	
1.6	Inspect for active transmission codes using selector Pad. Record (Allison transmission only)	16	P	
1.7	Verify operation of remote mirrors. Right Only	Ľ-	P	
1.8	Verify operation of wipers and washers. Left and Right	1.	P	
1.9	Verify bike rack operation (Put rack back in place after verification)	+ 5	P	
1.10	Inspect condition of the bike rack	t 5	P	
1.11	Do exterior light test by pushing both signal switches at the same time	1	P	
1.12	Verify driver's two fans, heat control, and auxilary fan	16	P	
1.13	Verify heater/defroster control	6	P	
1.14	Verify instrument panel dimmer switch operation and all guage operation/condition	E 2,	P	
1.15	Verify operation of fast idle	F	P	
1.16	Inspect steering wheel tilt/telescope operation		P	
1.17	Verify horn operation proper sound	NE 2	'P	
1.18	Verify the operation of the destination sign for "Out of Service"	1	P	
1.19	Verify the operation of the kneeler	0.3	P	SILLICH 1000R
1.20	Verify the operation of the W/C ramp & clean tracks with air	1	P	

2.0	YARD & BRAKE TEST - DO ALL CHECKS IN YARD (Approx: 30 Min)					
2.1	Verify shift operation			0	D	
2.2	Verify hill hold feature	6			D	
2.3	Verify back up alarm when transmission in reverse	1	/	2	6	
2.4	Inspect air governor cut-in and cut-out pressures. All cu in at 105 and cut-out at 125 (Record) on all three guages	t-			P	In: <u>65</u> PSI Out: <u>25</u> PSI In: <u>765</u> PSI Out: <u>75</u> PSI In: <u>765</u> PSI Out: <u>75</u> PSI In: <u>765</u> PSI Out: <u>75</u> PSI
2.5	Verify steering wheel movement feels normal, no binding or unusual noises	E	1.1.		P.	
2.6	Verify parking brake holds when applied	1		2	P	
2.7	Inspect condition of brake valve handle	1			P	
2.8	Verify front or rear door do not open when traveling	le			P	
2.9	Verify dash brake indicator light illuminates each time service brakes are applied	6	- 		P	
2.10	Verify operation of block heater	V.	a		p	
2.11	Verify three stops from 20 mph takes less than 23 feet Brake stops should not be done in wet weather. Verify when pavement is dry	E			P	1st attemp: 2 (3 feet 2nd attemp: 20 , 3 feet 3rd attemp: 2 (3 feet
2.12	Inspect operation of hazard switch and verify dash light operation	P	01		P	
2.13	Verify interior light master and toggle switch operation	1-			P	
2.14	Verify first bank of lights on curb side when front door is opened	A		1	P	
2.15	Verify operation of the following switches: Driver's light, Stop request and Climate control	R	të -		P	
2.16	Verify proper operation of HVAC system (temperature, fan speed, vent, etc)	E			P	
2.17	Inspect driver's window for cracks and clouding	A			P	
2.18	Verify window will slide and latch	K			P	
2.19	Inspect windshield for chips and cracks	R			P	
2.20	Inspect condition, mounting, hardware and operation of driver's sun visor	k			P	
2.21	Verify fare box light (Night run/door open)	E			F	INOP
2.22	Verify foot switch and dash light operation for both right and left side turn signal	E			P	
2.23	Verify low beam and high beam operation for both right and left side headlight	K	1.0.1		P	
2.24	Verify high beam dash light indicator operation	R	4		P	
2.25	Verify the operation of the rear exit door and interlock	É			P	
	RETURN TO SHOP AND PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK					
3.0	INTERIOR/DRIVER'S COMPARTMENT (Approx: 20 Min)					

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3.1	Clean and inspect brake and accelerator treadles, rollers and clevis pins. Lubricate clevis pin	r	6	P	
3.2	Check transmission fluid using transmission selector	1	6	Por	
3.3	Inspect condition of driver's seat, belt, buzzer, and barrier	l	6	F	BACK RREN ALA KNOW
3.4	Verify low air indicator light and alarm at 75 PSI on all three guages	1	0	P	
3.5	Record low pressure indicator light PSI	0	1	P	Front axle:PSI Rear axle:PSI
3.6	Inspect function of parking brake valve 1. Chock Wheels 2. Pressure is at least 120 PSI 3. Lower air pressure 4. Record Psi when valve "pops off" or engages at 60 PSI and below	E	6	P	Valve pop off: 45 PSI
3.7	Verify parking brake off alarm	1	1	P	
4.0	INTERIOR/PASSENGER AREA (Approx: 20 Min)	10			
4.1	Inspect interior lighting	1	2	P	
4.2	Inspect mirrors mounting and condition	J		P	
4.3	Lubricate upper and lower front door bushings	1	5	P	
4.4	Verify the operation of exit door push operation and emergency release (front & rear)	7		P	
4.5	Inspect all front & rear door glass	1		P	
4.6	Inspect passenger seats for damage, cleanliness, graffiti and loose mounting hardware		٦.	P	
4.7	Inspect driver's area for evidence of water leaks	-		P	
4.8	Inspect stanchions for loose rails, straps, and hardware cleanliness and damage	1		P	÷
4.9	Inspect modesty panels for cleanliness, graffiti and securement	4	,	P	
4.10	Inspect floors for cleanliness	**	U	P	sweep
4.11	Inspect floor joints for proper bonding and connection	1		P	
4.12	Verify floor lamp(s) operation	1		P	
4.13	Inspect all window release handles (Latches)	1		P	
4.14	Inspect operation of slide window latch mechanisms. Inspect operation of all Emergency exit window handles. Test opening/latching windows. All emergency window must open easily, and should be greased with approved lubrication. (B61-0206CS)	e		P	
4.15	Inspect windows for damage or cracks replace if necessary	T		P	
4.16	Check all light panels for looseness or separation	7		P	check all have sanely

4.17	Inspect stop request chimes (or buttons) and w/c stop request	-	s	P	
4.18	Inspect both emergency hatches for cleanliness, instructions, latching and proper operation		,	P	
4.19	Inspect front door rollers (Do not lubricate)	-	>	P	
4.20	Clean return air grill after replacing filter (B96-10010) at rear of bus		2	6	
5.0	AUXILLARY COOLANT HEATER (PROHEAT) (Approx: 5 Min)				
5.1	Inspect all fuel lines in system for leaks, abrasions, kinks and damage	T		P	
5.2	Inspect all coolant lines in system for leaks, abrasions, kinks and damage	-	,	P	
5.3	Inspect coolant pump for operation and leaks	7		P	
5.4	Inspect wiring harness and connections in system	T		P	
5.5	Inspect all mounting hardware for integrity		J	P	
5.6	Inspect exhaust pipe for damage and leaks		7	P	
6.0	EXTERIOR (Approx: 30 Min)				
6.1	Inspect wiper arm linkage		د	p	
6.2	Lubricate all latches and hinges)	P	
6.3	Lubricate exterior mirrors	-	2	P	
6.4	Change defroster filter (B96-10009)	-		8	
6.5	Inspect washer fluid level and fill as necessary	-		P	replace side acc/ down seal Chris
6.6	Verify all props are operational on all exterior access doors	-	5	P	inter and a second second
6.7	Verify all hinges are operational on all exterior access doors	7	-	9	
6.8	Check interlock pressure, located in electrical box over the batteries. Verify at shrader valve. Pressure is set at 45 PSI. (+/-). Record (Adjust if necessary)	1	S	P	Interlock Pressure: <u>仏ン</u> PSI
6.9	Verify all securement locks are operational on all exterior access doors. Lubricate locks with (B61-0206CS)			P	
6.10	Verify all compartment lights are operational	1		P	
	Verify all engine compartment lights are operational	-		8	
6.12	 Wheels & Tires 1. Check for bent & damaged wheels. 2. Inspect wheel torque indicators. If purple indicators are used, all wheel nut torque must be verified with a torque wrench. (Torque to 425 ft-lbs) 3. Inspect front bearing covers for leaks 4. Check tire pressure any tire lower than 100 PSI is considered a flat and should be changed (Record) 	c	2.	P	Left Front: NO_PSI Left Rear Inner: NO_PSI Left Rear Outer: NS_PSI Right Front: NS_PSI Right Rear Inner: NO_PSI
	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON MID-LEVEL WITH BUS ON LIFT			. 1	Right Rear Outer: 12 PSI

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6.13	WHEELS & Tires (CONTINUED) Measure and record tread depth for each tire (6/32" min) lowest point on the tire or steel cord showing tire is to be replaced)		P	Left Front: 1/32 Left Rear Inner: 2/32 Left Rear Outer: 2/32 Right Front: 15/32 Right Rear Inner: 1/32 Right Rear Outer: 1/3/32
7.0	BATTERIES & ELECTRICAL (Approx: 15 Min)					
7.1	Clean and inspect battery trays and all hold down hardware	-	5		P	29
7.2	Inspect tray pullout handles	1			P	
7.3	Record alternator output from battery/charging system test. Bus should be running on fast idle with a full load. (all lights and HVAC on) RECORD using volt meter at + and - terminal for 24V		J)	P	VOLTAGE: <u>27</u> SPEC: MAXIMUM 28 VOLTS
7.4	Inspect battery disconnect switch for corrosion. Check if lugs are tight and clean if necessary		5		P	
7.5	Inspect all battery and switch cables and wiring for routing and condition		5		P	
7.6	Inspect electrical box for condition				P	
7.7	Check Vanner equalizer by checking 12V and 24V systems. Batteries should be within 0.1-0.2 volts of each other	-	F		P	~\$*
8.0	RADIATOR & COOLING SYSTEM (Approx: 5 Min)					
8.1	Inspect radiator screen	4			P	
8.2	Inspect radiator for leaks and dirt. Clean if dirty using pressurized air	5			P	
8.3	Inspect for bent fins in core	T			P	
8.4	Inspect EMP fan system. Inspect for cracks, missing or loose blades. Check for codes	4	ŗ		P	
8.5	Inspect fan motor, hoses, piping and control valves	4			P	
8.6	Re-check reverse run feature, check for fault lights	7			P	
	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON HIGH-LEVEL WITH BUS ON LIFT					
9.0	CHASSIS/UNDERBODY (Approx: 10 Min)					
9.1	Inspect frame for damage or corrosion	T			P	
9.2	Inspect frame for mounting and electrical connections	TL			P	
9.3	Inspect condition of road side and curb side skid plates	T			Ē	replace c/s skill plate
9.4	Inspect front axle mounting hardware for looseness, wear and damage	T			p	
9.5	Inspect radius rods for wear or looseness	4		T	P	
9.6	Inspect shock absorbers for bushings, mounting brackets, leakage or damage	4	,		P	
9.7	Inspect all front axle hoses for condition and routing clearance	Y	J		P	

9.8	Inspect both front axle air springs for cracks, abrasions or other damage (Use soap solution to check for leaks)	-	c		Ð	s/s bellow down
9.9	Inspect leveling valve for proper operation, mounting, looseness, wear, damage or leaks	-	, ,		P	
9.10	Record front axle ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle. Front ride height 3.0-inch	1	د		Ð	Ride Height: 2.75 inch
9.11	Inspect mud flap mounting for integrity)	17	P	
9.12	Check or replace static straps (Only on rear)	-	2		P	
10.0	FRONT & REAR BRAKE SYSTEM (Approx: 25 Min)		1000			
10.1	Measure and record brake rod travel,on both road and curb sides. Record the travel, Maximum travel is 1 3/4 inches (Front)	-)	1	P	RF_1, inches LF_1, 2000 inches
10.2	Measure and record brake rod travel,on both road and curb sides. Record the travel, Maximum travel is 2 inches (Rear)	1			P	RR 1.30 inches LR 1.30 inches
10.3	Check brake lining for cracks and seperation	-	5	(2	
10.4	Check brake linning thickness. Good until wear line is no longer visible				P	Front: Replace Yes NoX Rear: Replace Yes_X_ No
10.5	Inspect hoses and lines for securement and condition. Check for rubbing on the front tires		U	f	>	
10.6	Inspect mounting nuts)	P		
10.7	Inspect drums for scoring, heat cracks and rust)	C	E)	rear cracked front scorn.
10.8	Check slack adjuster roll pin for excessive looseness and frozen pin	1		P		
11.0	STEERING COMPONENTS (Approx: 30 Min)					
11.1	Inspect center link for wear or damage	4	5	P		9
11.2	Jack front axle, properly set axle on jack stands, unload axle and inspect kingpins	7		f	>	
11.3	Inspect steering knuckle axial play and indicate pin movement. Maximum axial play specificiation is 0.016" Note measurement and if measurement exceeds 0.016", advise supervisor	1			P	Axial play measurement:
11.4	Inspect King Pin radial play (side to side). Maximum radial play specificiation is 0.004". Note measurement and replace King Pin if radial play measurement is in excess of 0.004", advise supervisor	T		(2	Radial play measurement:
11.5	Verify tie rod end cotter pins are in place on both right and left sides. (if applicable)	T		P		
11.6	Inspect left and right tie rod ends for wear and play by using the rocking method . Replace both tie rod ends if any play is found in either tie rod		c	P		

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11.7	Lubricate both tie rod ends. (If equipped)	4	2	P	sealed
11.8	Lubricate kingpins, use the 2 fittings one for upper and one for lower	4	U	p	
11.9	Lubricate cam shaft bushing and slack adjuster, Being careful not to get grease on linings	1	,	P	
11.10	Inspect drag link for wear or damage		J	P	
11.11	Lubricate drag link forward and rear)	P	
11.12	Inspect idler arm for wear or damage)	P	
11.13	Inspect Steering hoses/lines for leaks, routing and condition		5	P	
11.14	Inspect power steering box for leaks		J	P	
11.15	Inspect power steering box for loose mounting hardware		2	P	
11.16	Inspect pitman arm for wear and integrity		ر	P	
11.17	Inspect steering U-joints and slip joints for wear and damage		J	P	
11.18	Lubricate all fittings on miter box, steering u-joints, and applicable components. (ONLY USE HAND GREASE GUN ON MITER BOX FITIINGS)		,	e	
12.0	FUEL TANK (Approx: 5 Min)				
12.1	Inspect fuel tank for leaks		,	P	
12.2	Inspect fuel fill tube condition from the receptacle to the tank. Inspect for secure mounting and that the tube is not rubbing on anything	1	ر	P	
12.3	Inspect tank mounting hardware and insulation for damage, looseness or being out of place		ر	p	
12.4	Inspect fuel cap	**	c	P	
13.0	REAR AXLE (Approx: 10 Min)				
13.1	Inspect mounting hardware for integrity, wear and damage	7		P	
13.2	Inspect radius rods for wear and damage and looseness	7		P	
13.3	Inspect shock absorber bushing, mounting brackets, leakage or damage	V		P	
13.4	Inspect hoses for condition and routing	+		P	
13.5	Inspect air springs for cracks, abrasions or other damage (Use soap solution to check for leaks)	-	5	e	
13.6	Inspect leveling valve for proper operation, mounting, integrity, wear, damage or leaks	1		Ē	cls near reveting value 100.
13.7	Measure and record rear ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle rear ride height 3 ¾ inch		5	P	Ride Height: 3.75 inch

13.8	Inspect mud flap mounting hardware for integrity or damage		>	p	
13.9	Inspect hubs and axles flanges for leaks		2	P	
13.10	Inspect condition of the S1 Guard rubber and mounting bracket	F.)	P	
14.0	DIFFERENTIAL (Approx: 30 Min)				
14.1	Clean differential breather	-	6.1	r	
14.2	Inspect fluid level on the back side of the differential center section and rear wheel hubs		J	P	
14.3	Inspect for leaks		,	P	
15.0	DRIVE SHAFT (Approx: 10 Min)				
15.1	Inspect u-joints and slip splines for damage and wear. Grease 3 fittings and lubricate U-joints and slip splines	-	J	P	
15.2	Inspect yoke flange for wear and integrity	1	c	P	
15.3	Inspect bearing straps and bolts for wear or integrity)	P	
15.4	Inspect drive shaft straps Check for drive shaft phase and "U" bracket		v	P	
16.0	AIR SYSTEM (Approx: 10 Min)				
16.1	Drain all the air tanks. Note: If excessive water is found, note on defect sheet. Including ping tank	1)	P	Ping tank clegged
16.2	Inspect all electrical wiring and connections at air dryer. Four drain ports	T)	P	
16.3	Inspect all lines and fittings for leakage and integrity for air tanks	-	ر	P	
16.4	Inspect for oil contamination. Excessive oil residue at purge valve	7		P	
16.5	Inspect mounting for integrity	1	C	P	
16.6	Inspect mounting and routing of air lines. Look for chafing, kinks or damage. (Note location of discrepancies on defect column)	-	5	P	
	AFTER ROAD TEST AND ENGINE IS WARM				
17.0	ENGINE COMPARTMENT (Approx: 2.5 Hours)				
	 Drain engine oil and change oil filter. B86-8297 Take samples of the following components Pre-fill oil filter with motor oil (USING PROPER TOOLS AND PROCEDURES!) Fill engine with 15W-40 engine oil. 	1	5	8	
	Inspect engine/transmission mounts and cradle attachments	1		P	
17.3	Change coolant filter (B86-7502)	-	5	P	
17.4	Replace primary fuel filter (B86-8751)	ĥ			NIS

17.5	Change air filter and check air restriction guage. 04000 & 05000 air filter: (B86-10008) Clean the air filter housing	1	1	P	
17.6	Replace power steering filter (B85-5001) check & adjust fluid level. Inspect hydraulic hoses & fittings for leaks.	1	د	P	
17.7	Inspect for fluid leaks. Be specific on defect sheet about location of leak	7	,	Ð	Pls pump oil leak/ oil pan gasker (pressure varhed after inspection dir
17.8	Inspect turbocharger for leaks and loose mounting	1	د	P	
17.9	Inspect exterior for fluid leaks and loose mounting hardware		J	P	
17.10	Inspect hoses, clamps and gaskets	1	2	P	
17.11	Inspect mounting hardware and brackets on both the engine and A/C belt guards	1	J	P	
17.12	Inspect condition of A/C compressor mounting hardware, wiring harness, connectors and service caps	Т	ſ	P	
17.13	Verify all A/C lines are secure	T	1	9	
17.14	Inspect A/C compressor shaft seal, cylinder heads, valves, and housing leaks	1	5	P	
17.15	Inspect EMP alternator. Inspect air intake ducting for damage (chafing or holes). Repair or replace if damage is noted. Correct support devices to ensure damage will not reoccur. Clean air intake screen if necessary.		ر	P	
17.16	Inspect condition of all engine lines and electrical wiring harnesses)	۴	
17.17	Inspect supply fuel pump for leaks	-	0	P	
17.18	Service spinner oil filter (B86-10044)	1	J	P	
17.19	Inspect spinner oil filter for operation	,)	P	
17.20	Fill engine with 15W-40. Operate engine, re-inspect level and top off if necessary		4		
17.21	Ensure dipstick tube is securely mounted, not rubbing on anything and dipstick seats properly	7		P	
17.22	Inspect oil filler cap for proper seal, mounting and springs	4	>	P	
17.23	Verify transmission dipstick tube is securely mounted and dipstick seals properly	Т		P	
17.24	Inspect control box mounting	T		P	
	Inspect wiring harness and connectors to rear box	T		P	
17.26	Verify proper operation of rear run switches	24)	P	
17.27	Inspect lines and electrical wiring harnesses for conditions, clearance, chaffing and that the correct clamps are being used for securement	4	2	P	
17.28	Inspect for damaged hydraulic hoses and fittings	+		P	
17.29	Inspect power steering pump for leaks	T		Ē	leaking

17.30	Inspect the belts, pulleys and tensioners for wear and damage	1	ر	©	Alc bett and a/c bett Alc bett pulley (terribrer)
17.31	Inspect tension on manual/automatic adjusted belts	5	2	O	Ale bett pulley (terribner)
17.32	Inspect condition of coolant surge tank, pressure relief valve and filler cap	1-	J	P	
17.33	Take sample of coolant and using the appropriate testing equipment, record test results Check coolant protection Spec -34 degrees F		ر	P	Test Result:34
17.34	Inspect condition of coolant hoses, tubing and mounting clamps. Tighten any loose clamps	7	>	Ð	tighten coolant damps
17.35	Inspect coolant sensors and wiring harness to sensor	7	,	P	
17.36	Inspect all intake air tubing and hoses for holes, leaks, cracks and dirt build-up at connections	ĩ	J	P	
17.37	Inspect for loose or damaged air hose clamps and support brackets	T		P	
17.38	Inspect exhaust system for restrictions and leaks. (black soot)	TI	1	P	
17.39	Inspect exhaust system mounting brackets for loose hardware	Ŧ		P	
17.40	Inspect all heat shields for damage	+		P	
17.41	Inspect tailpipe for damage and loose hardware	T)	P	
17.42	Inspect exhaust bellows for leaks and damage		2	P	
18.0	LOWER BUS AND COMPLETE (Approx: 5 Min)				
18.1	Turn Aux Heater switch to "Enable" or "On"	T		P	
18.2	Attach the supervisor follow up sheet to PMI sheet	T		P	
19.0	INPUT DATA INTO MAXIMO				

ITEM #	Repairman's Notes/Additional defects found	REPAIRED (YES/NO)	FOLLOW UP W/O NUMBER
	Bus was pressure washed after leak inspection		
	was really vily and dirty.		

	V		
		j	
• • • •			
(C.s)			
1 million (1997)			

P 1	-
REPAIRMAN I	PAYROLL #2877
	PAYROLL # \$7353
SUPERVISOR	PAYROLL #
SUPERINTED	PAYROLL # OS345
/	SATELLITE STOREROOM
	PARTS REQUEST FORM
Requested by:	Date/Time:

A

WorkOrder#:	er#:	WorkOrd	
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Date/Time:	 	
Vehicle #:	 	



W/C # 2465510

ROBENT

PREVENTIVE MAINTENANCE W/O # 2454481

BUS #____05090



12,000 MILES INTERVAL Mileage 437,714 DATE 06/30/16

PPE EQUIPMENT REQUIRED TO COMPLETE PMI TOOLS AND SUPPLIES REQUIRED TO COMPLETE A **1) SAFETY GLASSES** PMI **2) SAFETY SHOES** 1) FLASH LIGHT **3) WORK GLOVES** 2) COMPARTMENT "T" Key 4) HEARING PROTECTION (SUGGESTED) 3) AIR GAUGE 4) TIRE DEPTH GAUGE 5) RULER (scaled in 32nds ") 6) CALIPER 7) SMALL STEP LADDER 8) Voltmeter 9) Refractometer

12,000 MILE INSPECTION (Drum Brake & Oil) - New Flyer (04000, 05000)

Revised on 12/03/2015

ITEM	DESCRIPTION	n 12/03/2015		DEFECT
	WALK AROUND (Approx: 30 Min)	1 Males		
1,1	Pressure wash/steam clean the engine		P	
1.2	Clean the radiator per SOP. Reverse run the EMP system	Ľ	P	
1.3	Walk around the bus looking for body damage. Record any damage	L	F	Engine door out throughand handle bent
1.4	Check fluid levels, oil, coolant, transmission fluid, and power steering fluid	1.	P	
2.0	IN CAB-START UP INSPECTION (Approx: 10 Min)			
2.1	Inspect for overall cab cleanliness and safety hazards		P	
2.2	Using master switch. Verify operation of all diagnostic and warning lights, alarms and buzzers		P	
2.3	Verify ABS system check (light)		1	
2.4	Start engine; listen for unusual noises during starting. Inspect shutdown system	5	P	
2.5	Inspect active engine code light for active faults on dash board. Record (C.E.L, EMISSIONS, ETC)	· ·	r	
2.6	Inspect for active transmission codes using selector Pad. Record	-	P	*1
2.7	Verify operation of remote mirrors. Right only		F	Remote mirror inop in some die
2.8	Verify operation of wipers and washers. Left and right		P	Sts water inon
2.9	Verify bike rack operation (Put rack back in place after verification)	-	P	
2.10	Inspect condition of the bike rack		P	
2.11	Do exterior light test by pushing both signal switches at the same time		1-	Both entrance lights inop
2.12	Verify driver's two fans, heat control, and auxilary fan	Ĵ	P	
2.13	Verify heater/defroster control	3	r	
2.14	Verify instrument panel dimmer switch operation and all guage operation/condition		P	

2.15	Verify operation of fast idle	Т	/	P	
2.16	Inspect steering wheel tilt/telescope operation		1	P	Steering wheel filt broken
2.17	Verify horn operation proper sound		1	P)
2.18	Verify the operation of the destination sign for "Out of Service"	1 2	/	P	
2.19	Verify the operation of the kneeler		/	P	
2.20	Verify the operation of the W/C ramp & clean tracks with air		/	P	
3.0	ROAD TEST (SECTION 3 NOT TO EXCEED 45 MINUTES)				
3.1	Verify shift operation	4	/	P	
3.2	Verify hill hold feature	1	/	P	
3,3	Verify back up alarm when transmission in reverse		/	r	
3.4	Inspect air governor cut-in and cut-out pressures. All cut-in at 105 and cut-out at 125 (Record) on all three guages		,	P	In: 105 PSI Out: 125 PSI In: 105 PSI Out: 125 PSI In: 105 PSI Out: 125 PSI In: 105 PSI Out: 125 PSI
3.5	Verify steering wheel movement feels normal, no binding or unusual noises		~	P	
3.6	Verify parking brake holds when applied		/	P	
3.7	Inspect condition of brake valve handle		/	P	
3.8	Verify front or rear door do not open when traveling		~	r	
3.9	Verify dash brake indicator light illuminates each time service brakes are applied		/	P)
3,10	Verify operation of block heater			P	
3.11	Verify three stops from 20 mph takes less than 23 feet Brake stops should not be done in wet weather. Verify when pavement is dry	C 1	/	P	1st attemp: <u>19.7</u> feet 2nd attemp: <u>19.1</u> feet 3rd attemp: <u>20.3</u> feet
3.12	Inspect operation of hazard switch and verify dash light operation	5	~	P	
3.13	Verify interior light master and toggle switch operation	r 1		P	
3.14	Verify first bank of lights on curb side when front door is opened	1	-	P	
3.15	Verify operation of the following switches: Driver's light, Stop request and Climate control	1	/	P	
3.16	Verify proper operation of HVAC system (temperature, fan speed, vent, etc)		/	P	
3.17	Inspect driver's window for cracks and clouding	1	/	р	
3.18	Verify window will slide and latch	1 .		P	
3.19	Inspect windshield for chips and cracks		/	Y	
3.20	Inspect condition, mounting, hardware and operation of driver's sun visor	2		P	
3.21	Verify fare box light (Night run/door open)	~		F	Farebox light imp
3.22	Verify foot switch and dash light operation for both right and left side turn signal	1	-	P	
3.23	Verify low beam and high beam operation for both right and left side headlight	1	E.	8	

3,24	Verify high beam dash light indicator operation		-	P	
3.25	Verify the operation of the rear exit door and interlock		/	P	
	RETURN TO SHOP AND PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK				
4.0	INTERIOR/DRIVER'S COMPARTMENT (Approx: 20 Min)				
4.1	Clean and inspect brake and accelerator treadles, rollers and clevis pins. Lubricate clevis pin	10	2	P	
4.2	Check transmission fluid using transmission selector	1.	2	P	
4.3	Inspect condition of driver's seat, belt, buzzer, and barrier	/	2	P	
4.4	Verify low air indicator light and alarm at 75 PSI on all three guages	1	2	P	
4.5	Record low pressure indicator light PSI		2	P	Front axle: <u>75</u> PSI Rear axle: <u>75</u> PSI
4.6	 Inspect function of parking brake valve 1. Chock Wheels 2. Pressure is at least 120 PSI 3. Lower air pressure 4. Record Psi when valve "pops off" or engages at 60 PSI and below 	10		ρ	Valve pop off: <u>45</u> _PSI
4.7	Verify parking brake off alarm	1	,	P	
5.0	INTERIOR/PASSENGER AREA (Approx: 20 Min)				
5.1	Inspect interior lighting	12		F	2 Damb art
5.2	Inspect mirrors mounting and condition	1	2	P	
5.3	Lubricate upper and lower front door bushings.	1	2	P	
5.4	Verify the operation of exit door push operation and emergency release (front & rear)	R	-	p	
5.5	Inspect all front & rear door glass	R	2	P	
5.6	Inspect passenger seats for damage, cleanliness, graffiti and loose mounting hardware	R	2	P	
5.7	Inspect driver's area for evidence of water leaks	1	2	P	
5.8	Inspect stanchions for loose rails, straps, and hardware cleanliness and damage	R	-	F	STANCHION BROKEN AT
5.9	Inspect modesty panels for cleanliness, graffiti and securement	R	-	P	
5.10	Inspect floors for cleanliness	R	_	P	
	Inspect floor joints for proper bonding and connection	0	_	P	
5.11		14			
5.11 5.12	Verify floor lamp(s) operation	10	2	P	

7.11	Verify all engine compartment lights are operational		1	P	
7.10	Verify all compartment lights are operational	1	-	P	CUT ELEVE BOX LIGH
7.9	Verify all securement locks are operational on all exterior access doors. Lubricate locks with (B61- 0206CS)	R		P	
7.8	Check interlock pressure, located in electrical box over the batteries. Verify at shrader valve. Pressure is set at 45 PSI. (+/-). Record (Adjust if necessary)	10	1	P	Interlock Pressure: <u>45</u> PSI
7.7	Verify all hinges are operational on all exterior access doors	1.	- 1	P	
7.6	Verify all props are operational on all exterior access doors	1	2	P	
7.5	Inspect washer fluid level and fill as necessary	1	-	P	
7.4	Change defroster filter (B96-10009)	1	-	P	
7.3	Lubricate exterior mirrors	1	_	P.	
7.2	Lubricate all latches and hinges	1	_	P	
7.1	Inspect wiper arm linkage	k	-	P	
.0	EXTERIOR (Approx: 30 Min)				
5.6	Inspect exhaust pipe for damage and leaks		2	P	
5.5	Inspect all mounting hardware for integrity	1		P	
5.4	Inspect wiring harness and connections in system	1		P	
5.3	Inspect coolant pump for operation and leaks		2	P	
5.2	Inspect all coolant lines in system for leaks, abrasions, kinks and damage		2	P	
6.1	Inspect all fuel lines in system for leaks, abrasions, kinks and damage	k		P	
5.0	AUXILLARY COOLANT HEATER (PROHEAT) (Approx: 5 Min)				
5.20	Clean return air grill after replacing filter (B96-10010) at rear of bus	1	_	P	
,19	Inspect front door rollers (Do not lubricate)	1	2	P	
5.18	Inspect both emergency hatches for cleanliness, instructions, latching and proper operation	1	-	P	
5.17	Inspect stop request chimes (or buttons) and w/c stop request	,	2	P	
5.16	Check all light panels for looseness or separation		-	P	
5.15	Inspect windows for damage or cracks replace if necessary		2	P	
5.14	Inspect operation of slide window latch mechanisms. Inspect operation of all Emergency exit window handles. Test opening/latching windows. All emergency window must open easily, and should be greased with approved lubrication. (B61-0206CS)		2_	P	

7.12	 Wheels & Tires 1. Check for bent & damaged wheels. 2. Inspect wheel torque indicators. If purple indicators are used, all wheel nut torque must be verified with a torque wrench. (Torque to 425 ft-lbs) 3. Inspect front bearing covers for leaks 4. Check tire pressure any tire lower than 100 PSI is considered a flat and should be changed (Record) 				ρ	Left Front: <u>/20</u> PSI Left Rear Inner: <u>/20</u> PSI Left Rear Outer: <u>/20</u> PSI Right Front: <u>/20</u> PSI Right Rear Inner: <u>/20</u> PSI Right Rear Outer: <u>/20</u> PSI
	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON MID-LEVEL WITH BUS ON LIFT					
7.13	WHEELS & Tires (CONTINUED) Measure and record tread depth for each tire (6/32" min) lowest point on the tire or steel cord showing tire is to be replaced		2		F	Left Front: <u>ZC</u> /32 Left Rear Inner: <u>13</u> /32 Left Rear Outer: <u>15</u> /32 Right Front: <u>16</u> /32 Right Rear Inner: <u>12</u> /32 Right Rear Outer: <u>12</u> /32 - <u>F</u>
8.0	BATTERIES & ELECTRICAL (Approx: 15 Min)					
8.1	Clean and inspect battery trays and all hold down hardware			7	P	
8.2	Inspect tray pullout handles	-	2		P	
8.3	Record alternator output from battery/charging system test. Bus should be running on fast idle with a full load. (all lights and HVAC on) RECORD using volt meter at + and - terminal for 24V		2)	F	VOLTAGE:V SPEC: MAXIMUM 28 VOLTS
8.4	Inspect battery disconnect switch for corrosion. Check if lugs are tight and clean if necessary	/	2	-	P	
8.5	Inspect all battery and switch cables and wiring for routing and condition	10			P	
8.6	Inspect electrical box for condition	1	2		P	
8.7	Check Vanner equalizer by checking 12V and 24V systems. Batteries should be within 0.1-0.2 volts of each other	/			P	
9.0	RADIATOR & COOLING SYSTEM (Approx: 5 Min)			1212		
9.1	Inspect radiator screen				٧	
9.2	Inspect radiator for leaks and dirt. Clean if dirty using pressurized air				X	
9.3	Inspect for bent fins in core				5	
9.4	Inspect EMP fan system. Inspect for cracks, missing or loose blades. Check for codes				8	
9.5	Inspect fan motor, hoses, piping and control valves				6	
9.6	Re-check reverse run feature, check for fault lights				1	
	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON HIGH-LEVEL WITH BUS ON LIFT					
10.0	CHASSIS/UNDERBODY (Approx: 10 Min)	- h				

10.1	Inspect frame for damage or corrosion			1	
10.2	Inspect frame for mounting and electrical connections			8	
10.3	Inspect condition of road side and curb side skid plates	2		8	
10.4	Inspect front axle mounting hardware for looseness, wear and damage	1		D	
10.5	Inspect radius rods for wear or looseness	h		a'	
10.6	Inspect shock absorbers for bushings, mounting brackets, leakage or damage			p	
10.7	Inspect all front axle hoses for condition and routing clearance	0		x	
10.8	Inspect both front axle air springs for cracks, abrasions or other damage (Use soap solution to check for leaks)			8	
10.9	Inspect leveling valve for proper operation, mounting, looseness, wear, damage or leaks		1	8	
10.10	Record front axle ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle. Front ride height 3.0-inch	1	l	R	Ride Height: 3 inch
10.11	Inspect mud flap mounting for integrity			X	
10.12	Check or replace static straps (Only on rear)			8	
11.0	FRONT & REAR BRAKE SYSTEM (Approx: 25 Min)				
11.1	Measure and record brake rod travel,on both road and curb sides. Record the travel, Maximum travel is 1 3/4 inches (Front)		(Ø	RF_{1} inches
11.2	Measure and record brake rod travel,on both road and curb sides. Record the travel, Maximum travel is 2 inches (Rear)	Y	Ń	P	RR inches
11.3	Check brake lining for cracks and seperation		(9	
11.4	Check brake linning thickness. Good until wear line is no longer visible		1	P	Front: Replace Yes No Rear: Replace Yes No
11.5	Inspect hoses and lines for securement and condition. Check for rubbing on the front tires			R	
11.6	Inspect mounting nuts			8	
11.7	Inspect drums for scoring, heat cracks and rust	r		8	
11.8	Check slack adjuster roll pin for excessive looseness and frozen pin	0		8	44
12.0	STEERING COMPONENTS (Approx: 30 Min)				
12.1	Inspect center link for wear or damage	6	١	1	
12.2	Jack front axle, properly set axle on jack stands, unload axle and inspect kingpins		1	P	

12.3	Inspect steering knuckle axial play and indicate pin movement. Maximum axial play specificiation is 0.016" Note measurement and if measurement exceeds 0.016", advise supervisor		١			Axial play measurement:
12.4	Inspect King Pin radial play (side to side). Maximum radial play specificiation is 0.004". Note measurement and replace King Pin if radial play measurement is in excess of 0.004", advise supervisor					Radial play measurement:
12.5	Verify tie rod end cotter pins are in place on both right and left sides. (if applicable)		1			
12.6	Inspect left and right tie rod ends for wear and play by using the rocking method . Replace both tie rod ends if any play is found in either tie rod		1			
12.7	Lubricate both tie rod ends. (If equipped)		١			
12.8	Lubricate kingpins, use the 2 fittings one for upper and one for lower		,			
12.9	Lubricate cam shaft bushing and slack adjuster, Being careful not to get grease on linings		((
12.10	Inspect drag link for wear or damage	1				
12.11	Lubricate drag link forward and rear	1	1			
12.12	Inspect idler arm for wear or damage	1				
12.13	Inspect Steering hoses/lines for leaks, routing and condition			T		
12.14	Inspect power steering box for leaks		1	1		
12.15	Inspect power steering box for loose mounting hardware					
12.16	Inspect pitman arm for wear and integrity					
12.17	Inspect steering U-joints and slip joints for wear and damage	1	\ \			
12.18	Lubricate all fittings on miter box, steering u-joints, and applicable components. (ONLY USE HAND GREASE GUN ON MITER BOX FITIINGS)		/			
13.0	FUEL TANK (Approx: 5 Min)	1				
13.1	Inspect fuel tank for leaks	A				
13.2	Inspect fuel fill tube condition from the receptacle to the tank. Inspect for secure mounting and that the tube is not rubbing on anything	4				
13.3	Inspect tank mounting hardware and insulation for damage, looseness or being out of place	V				
13.4	Inspect fuel cap	Ø	L.			
14.0	REAR AXLE (Approx: 10 Min)					
14.1	Inspect mounting hardware for integrity, wear and damage	5	2	F)	
14.2	Inspect radius rods for wear and damage and looseness	5		1	NP.	

	ENGINE COMPARTMENT (Approx: 2.5 Hours)					
	AFTER ROAD TEST AND ENGINE IS WARM					
17.6	Inspect mounting and routing of air lines. Look for chafing, kinks or damage. (Note location of discrepancies on defect column)	J		p		
17.5	Inspect mounting for integrity	5		P		
17.4	Inspect for oil contamination. Excessive oil residue at purge valve	1)		P		
17.3	Inspect all lines and fittings for leakage and integrity for air tanks # All lines where has Checked #	10		p		* Not Passible to check all ait lines and tank in 10 minutes.
17.2	Inspect all electrical wiring and connections at air dryer. Four drain ports	5		p		
17.1	Drain all the air tanks. Note: If excessive water is found, note on defect sheet. Including ping tank	5		P		
17.0	AIR SYSTEM (Approx: 10 Min)					Le Viul
16.4	Inspect drive shaft straps Check for drive shaft phase and "U" bracket	212	2	P		
16.3	Inspect bearing straps and bolts for wear or integrity	5		P		
16.1	Grease 3 fittings and lubricate U-joints and slip splines Inspect yoke flange for wear and integrity	JI		P F	>	-
	Inspect u-joints and slip splines for damage and wear.	-	a	n	-	
16.0	DRIVE SHAFT (Approx: 10 Min)	4		r	-	Outer Hubs Mak have a slight se
15.2	center section and rear wheel hubs Inspect for leaks	N C		K		I had been on both outer Hul
	Inspect fluid level on the back side of the differential	10				E[1] []]
15.0 15.1	DIFFERENTIAL (Approx: 30 Min) Clean differential breather	51		0		and the second
	bracket	C		٢	12 22 - 1	
14.10	Inspect roubs and axies hanges for leaks	1		0		
14.9	damage Inspect hubs and axles flanges for leaks	4 4		P		
14.8	Inspect mud flap mounting hardware for integrity or	1		10	1	
14.7	Measure and record rear ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle rear ride height 3 ³ / ₄ inch	10		P		Ride Height: <u>3.825</u> inch
14.6	Inspect leveling valve for proper operation, mounting, integrity, wear, damage or leaks	5.1	1	p		
14.5	Inspect air springs for cracks, abrasions or other damage (Use soap solution to check for leaks)	1	2	P		
14,4	Inspect hoses for condition and routing	r s	\langle	P)	
14.3	Inspect shock absorber bushing, mounting brackets, leakage or damage	V	R		P	

18.1	 Drain engine oil and change oil filter. B86-8297 Take samples of the following components Pre-fill oil filter with motor oil 	1	R	D	
	(USING PROPER TOOLS AND PROCEDURES!) 4. Fill engine with 15W-40 engine oil.	Ø			
18.2	Inspect engine/transmission mounts and cradle attachments	1 5	2	F	Front engine Mount bad
18.3	Change coolant filter (B86-7502)	1.	R	P	
18.4	Replace primary fuel filter (B86-8751) Pre-fill fuel filter	1 1	R	P	
18.5	Change air filter and check air restriction guage. 04000 & 05000 air filter: (B86-10008) Clean the air filter housing	1)	9	
18.6	Replace power steering filter (B85-5001) check & adjust fluid level. Inspect hydraulic hoses & fittings for leaks	- 1	~	P	
18.7	Inspect for fluid leaks. Be specific on defect sheet about location of leak	1 0	1	F	Oil teak at the engine front
18.8	Inspect turbocharger for leaks and loose mounting	1.	1	p	4
18.9	Inspect exterior for fluid leaks and loose mounting hardware	53		P	
18.10	Inspect hoses, clamps and gaskets	E J	1	P	Coolant Bracket/Hold diwn for pipes loc
18.11	Inspect mounting hardware and brackets on both the engine and A/C belt guards	J		P	11
18.12	Inspect condition of A/C compressor mounting hardware, wiring harness, connectors and service caps	D		F	Service cup Missing
18.13	Verify all A/C lines are secure	17		P	
18.14	Inspect A/C compressor shaft seal, cylinder heads, valves, and housing leaks	c 3		P	
18.15	Inspect condition of all engine lines and electrical wiring harnesses	C1	~	p	
18.16	Inspect supply fuel pump for leaks	J	1	P	
18.17	Service spinner oil filter (B86-10044)	5		P	
18.18	Inspect spinner oil filter for operation	J		P	
18.19	Fill engine with 15W-40. Operate engine, re-inspect level and top off if necessary	5		P	
18.20	Ensure dipstick tube is securely mounted, not rubbing on anything and dipstick seats properly	12		P	
18.21	Inspect oil filler cap for proper seal, mounting and springs	J	1	P	
18.22	Verify transmission dipstick tube is securely mounted and dipstick seals properly	J		P	
18.23	Inspect control box mounting	J		p	
18.24	Inspect wiring harness and connectors to rear box	J		P	
18.25	Verify proper operation of rear run switches	5		P	

					- No Paritive Cuble connection Cover
18.26	Inspect lines and electrical wiring harnesses for conditions, clearance, chaffing and that the correct clamps are being used for securement	-	2	F	No Positive Cuble connection Cover Louse Alternator Winny
18.27	Inspect for damaged hydraulic hoses and fittings		R	P	
18.28	Inspect power steering pump for leaks	- 4	2	P	
18.29	Inspect the belts, pulleys and tensioners for wear and damage	13		F	Alternator Belt Cracked
18.30	Inspect tension on manual/automatic adjusted belts	-	R	р	
18.31	Inspect condition of coolant surge tank, pressure relief valve and filler cap	-	ß	F	Top cap won't Hold pressure
18.32	Take sample of coolant and using the appropriate testing equipment, record test results Check coolant protection Spec -34 degrees F	10	R	p	Test Result:
18.33	Inspect condition of coolant hoses, tubing and mounting clamps. Tighten any loose clamps	-	2	F	Loose Clamps
18.34	Inspect coolant sensors and wiring harness to sensor	17		F	loose Wiring to Carlaht Sensor
18.35	Inspect all intake air tubing and hoses for holes, leaks, cracks and dirt build-up at connections	-	2	P	J
18.36	Inspect for loose or damaged air hose clamps and support brackets	-		P	
18.37	Inspect exhaust system for restrictions and leaks. (black soot)	5		P	
18.38	Inspect exhaust system mounting brackets for loose hardware	1 J		P	
18.39	Inspect all heat shields for damage	J		PL I	Heat insulation Milling
18.40	Inspect tailpipe for damage and loose hardware	5		p.	
18.41	Inspect exhaust bellows for leaks and damage		2	P	
19.0	LOWER BUS AND COMPLETE (Approx: 5 Min)				
19.1	Turn Aux Heater switch to "Enable" or "On"	13		P	
19.2	Attach the supervisor follow up sheet to PMI sheet	J		P	
20.0	INPUT DATA INTO MAXIMO				

#	Repairman's Notes/Additional defects found	REPAIRED (YES/NO)	FOLLOW UP W/O NUMBER
_			
_			
		4032	0
AIRMAN I	66530 PAY	ROLL # 8751	15
AIRMAN I		/roll # 875/ /roll # 64402 /roll # 9767 /roll # 875/ /roll # 9767	
		1011 # 6762	6
ERVISOR	PAY	RULL # _// 50	an t
ERINTED	PAY	ROLL # 055	73



PREVENTIVE MAINTENANCE W/0 # <u>23 | 3263</u> BUS # <u>05090</u>



12,000 MILES INTERVAL Mileage <u>427,6/3</u> DATE <u>3 / 17 / 16</u>

PPE EQUIPMENT REQUIRED TO COMPLETE PMI	TOOLS AND SUPPLIES REQUIRED TO COMPLETE A
1) SAFETY GLASSES	PMI
2) SAFETY SHOES	1) FLASH LIGHT
3) WORK GLOVES	2) COMPARTMENT "T" Key
4) HEARING PROTECTION (SUGGESTED)	3) AIR GAUGE
	4) TIRE DEPTH GAUGE
	5) RULER (scaled in 32nds ")
	6) CALIPER
	7) SMALL STEP LADDER
	8) Voltmeter
	9) Refractometer

12,000 MILE INSPECTION	I (Drum Brake & Oil) - New Flyer (04000, 05000)
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Revised on 12/03/201

TEM	DESCRIPTION	INS	PBY	PASS/FAIL	DEFECT
1.0	WALK AROUND (Approx: 30 Min)			0	
1.1	Pressure wash/steam clean the engine)	2	Pa	
1.2	Clean the radiator per SOP. Reverse run the EMP system		12	0	
1.3	Walk around the bus looking for body damage. Record any damage		2	P	
1.4	Check fluid levels, oil, coolant, transmission fluid, and power steering fluid	K		P	
2.0	IN CAB-START UP INSPECTION (Approx: 10 Min)			0	
2.1	Inspect for overall cab cleanliness and safety hazards	4	5	P	
2.2	Using master switch. Verify operation of all diagnostic and warning lights, alarms and buzzers	1	10	P	Berdelie
2.3	Verify ABS system check (light)	/	5	P	
2.4	Start engine; listen for unusual noises during starting. Inspect shutdown system	1	10	P	
2.5	Inspect active engine code light for active faults on dash board. Record (C.E.L, EMISSIONS, ETC)	L		0	
2.6	Inspect for active transmission codes using selector Pad. Record	1	2	n	
2.7	Verify operation of remote mirrors. Right only	R	>	F	L-R
2.8	Verify operation of wipers and washers. Left and right	1	1	P	
2.9	Verify bike rack operation (Put rack back in place after verification)	k		P	
2.10	Inspect condition of the bike rack	K		P	
2.11	Do exterior light test by pushing both signal switches at the same time	A		P	
2.12	Verify driver's two fans, heat control, and auxilary fan	1	5	P	
2.13	Verify heater/defroster control	E		P	
2.14	Verify instrument panel dimmer switch operation and all guage operation/condition	K	11	P	

2.15	Verify operation of fast idle	4	in	P	
2.16	Inspect steering wheel tilt/telescope operation	1	B	P	
2.17	Verify horn operation proper sound	1	in	P	
2.18	Verify the operation of the destination sign for "Out of Service"	E	10	P	
2.19	Verify the operation of the kneeler	1	5	P	
2.20	Verify the operation of the W/C ramp & clean tracks with air	C	10	P	
3.0	ROAD TEST (SECTION 3 NOT TO EXCEED 45 MINUTES)			(
3.1	Verify shift operation		10	P	
3.2	Verify hill hold feature	/	5	6	
3.3	Verify back up alarm when transmission in reverse	1	5	P	
3.4	Inspect air governor cut-in and cut-out pressures. All cut-in at 105 and cut-out at 125 (Record) on all three guages	k	60	P	In:PSI Out:PSI In:PSI Out:PSI In:PSI Out:PSI
3.5	Verify steering wheel movement feels normal, no binding or unusual noises	(A	10	"P	
3.6	Verify parking brake holds when applied	×	2	Po	
3.7	Inspect condition of brake valve handle	L	2	P	
3.8	Verify front or rear door do not open when traveling	7	2	P	
3.9	Verify dash brake indicator light illuminates each time service brakes are applied	1-	P 1	P	
3.10	Verify operation of block heater		10	\vdash	INO8
3.11	Verify three stops from 20 mph takes less than 23 feet Brake stops should not be done in wet weather. Verify when pavement is dry	1	- 2	P	1st attemp: $19 \cdot 6$ feet 2nd attemp: $19 \cdot 7$ feet 3rd attemp: $19 \cdot 2$ feet
3.12	Inspect operation of hazard switch and verify dash light operation	Ł	,	P	
3.13	Verify interior light master and toggle switch operation	K	>	V	FRONT DOMES OUT
3.14	Verify first bank of lights on curb side when front door is opened	L	1	P	
3.15	Verify operation of the following switches: Driver's light, Stop request and Climate control	1	5	F	Can LIGIAT
3.16	Verify proper operation of HVAC system (temperature, fan speed, vent, etc)	1	>	P	
3.17	Inspect driver's window for cracks and clouding	1	S	ρ	
3.18	Verify window will slide and latch		5	E	
3.19	Inspect windshield for chips and cracks	É)	P	
3.20	Inspect condition, mounting, hardware and operation of driver's sun visor	0	.0	P	
3.21	Verify fare box light (Night run/door open)	1	S	F	NOP
3.22	Verify foot switch and dash light operation for both right and left side turn signal	1.	5	P	
3.23	Verify low beam and high beam operation for both right and left side headlight	L	15	P	

3.24	Verify high beam dash light indicator operation	1	6	P	
3.25	Verify the operation of the rear exit door and interlock	l	0	P	
	RETURN TO SHOP AND PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK				
4.0	INTERIOR/DRIVER'S COMPARTMENT (Approx: 20 Min)		14	a sine	
4.1	Clean and inspect brake and accelerator treadles, rollers and clevis pins. Lubricate clevis pin	1	6	P	
4.2	Check transmission fluid using transmission selector	1	7	Pe	or L
4.3	Inspect condition of driver's seat, belt, buzzer, and barrier	ŀ	6	P	
4.4	Verify low air indicator light and alarm at 75 PSI on all three guages	1	17	P	
4.5	Record low pressure indicator light PSI	J	Ç	P	Front axle: 75 PSI Rear axle: 75 PSI
4.6	Inspect function of parking brake valve 1. Chock Wheels 2. Pressure is at least 120 PSI 3. Lower air pressure 4. Record Psi when valve "pops off" or engages at 60 PSI and below	Ľ	10	P	Valve pop off: <u>45</u> PSI
4.7	Verify parking brake off alarm	1	>	R	
5.0	INTERIOR/PASSENGER AREA (Approx: 20 Min)			V	
5.1	Inspect interior lighting	r	0.000	F	Both FRONT doma lights in
5.2	Inspect mirrors mounting and condition	1	5	p	
5.3	Lubricate upper and lower front door bushings.		6	P	
5.4	Verify the operation of exit door push operation and emergency release (front & rear)	7	ò	P	
5.5	Inspect all front & rear door glass	1	5	P	
5.6	Inspect passenger seats for damage, cleanliness, graffiti and loose mounting hardware	1	3	P	
5.7	Inspect driver's area for evidence of water leaks	1	5	P	
5.8	Inspect stanchions for loose rails, straps, and hardware cleanliness and damage	1		P	
5.9	Inspect modesty panels for cleanliness, graffiti and securement	1		P	
5.10	Inspect floors for cleanliness	1	5	P	
5.11	Inspect floor joints for proper bonding and connection		5	P	
5.12	Verify floor lamp(s) operation		5	P	
5.13	Inspect all window release handles (Latches)	1	2	P	

5.14	Inspect operation of slide window latch mechanisms. Inspect operation of all Emergency exit window handles. Test opening/latching windows. All emergency window must open easily, and should be greased with approved lubrication. (B61-0206CS)		ò		þ	
5.15	Inspect windows for damage or cracks replace if necessary		i A		P	
5.16	Check all light panels for looseness or separation	1)		P	
5.17	Inspect stop request chimes (or buttons) and w/c stop request	1		17	P	
5.18	Inspect both emergency hatches for cleanliness, instructions, latching and proper operation	1		7	P	
5.19	Inspect front door rollers (Do not lubricate)	1		5	P	
5.20	Clean return air grill after replacing filter (B96-10010) at rear of bus	1	5	1	ρ	
6.0	AUXILLARY COOLANT HEATER (PROHEAT) (Approx: 5 Min)		1. 1. 54		2	
6.1	Inspect all fuel lines in system for leaks, abrasions, kinks and damage	1	5		P	
6.2	Inspect all coolant lines in system for leaks, abrasions, kinks and damage	1	0	2	P	
6.3	Inspect coolant pump for operation and leaks		S	2	P	
6.4	Inspect wiring harness and connections in system		5		p	
6.5	Inspect all mounting hardware for integrity			5	P	
6.6	Inspect exhaust pipe for damage and leaks			5	P	
7.0	EXTERIOR (Approx: 30 Min)			1		
7.1	Inspect wiper arm linkage	1	>		Fa	Replace Writer Made
7.2	Lubricate all latches and hinges)	3		P	
7.3	Lubricate exterior mirrors	15		2	P	
7.4	Change defroster filter (B96-10009)		0	;	P	
7.5	Inspect washer fluid level and fill as necessary		0	5	P	
7.6	Verify all props are operational on all exterior access doors	/		5	P	
7.7	Verify all hinges are operational on all exterior access doors			5	P	
7.8	Check interlock pressure, located in electrical box over the batteries. Verify at shrader valve. Pressure is set at 45 PSI. (+/-). Record (Adjust if necessary)	1	þ		P	Interlock Pressure: <u>45</u> PSI
7.9	Verify all securement locks are operational on all exterior access doors. Lubricate locks with (B61- 0206CS)	1	5		P	
7.10	Verify all compartment lights are operational	1	2		P	
7.11	Verify all engine compartment lights are operational	1	5	1	P	

7.12	 Wheels & Tires 1. Check for bent & damaged wheels. 2. Inspect wheel torque indicators. If purple indicators are used, all wheel nut torque must be verified with a torque wrench. (Torque to 425 ft-lbs) 3. Inspect front bearing covers for leaks 4. Check tire pressure any tire lower than 100 PSI is considered a flat and should be changed (Record) 	Y	<i>;</i>	F	Left Front: //5_PSI Left Rear Inner:10_PSI Left Rear Outer:70_PSI Right Front:70_PSI Right Rear Inner:70_PSI Right Rear Outer:70_PSI
	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON MID-LEVEL WITH BUS ON LIFT				
7.13	WHEELS & Tires (CONTINUED) Measure and record tread depth for each tire (6/32" min) lowest point on the tire or steel cord showing tire is to be replaced	1		Р	Left Front: 2//32 Left Rear Inner: 15/32 Left Rear Outer: 16/32 Right Front: 2/32 Right Rear Inner: 2//32 Right Rear Outer: 2//32
8.0	BATTERIES & ELECTRICAL (Approx: 15 Min)			4	
8.1	Clean and inspect battery trays and all hold down hardware	1.		P	
8.2	Inspect tray pullout handles	1	5	P	
8.3	Record alternator output from battery/charging system test. Bus should be running on fast idle with a full load. (all lights and HVAC on) RECORD using volt meter at + and - terminal for 24V	1	5	p	VOLTAGE: <u>28.0</u> V SPEC: MAXIMUM 28 VOLTS
8.4	Inspect battery disconnect switch for corrosion. Check if lugs are tight and clean if necessary	7	4	f	
8.5	Inspect all battery and switch cables and wiring for routing and condition	1		P	E L
8.6	Inspect electrical box for condition	1	5	p	
8.7	Check Vanner equalizer by checking 12V and 24V systems. Batteries should be within 0.1-0.2 volts of each other	4		P	
9.0	RADIATOR & COOLING SYSTEM (Approx: 5 Min)			~	
9.1	Inspect radiator screen	1	5	P	
9.2	Inspect radiator for leaks and dirt. Clean if dirty using pressurized air	1.	5	P	
9.3	Inspect for bent fins in core	1	5	P	
9.4	Inspect EMP fan system. Inspect for cracks, missing or loose blades. Check for codes	1	5	P	
9.5	Inspect fan motor, hoses, piping and control valves	1	5	Pa	
9.6	Re-check reverse run feature, check for fault lights	1	5	P	
	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON HIGH-LEVEL WITH BUS ON LIFT		1		
10.0	CHASSIS/UNDERBODY (Approx: 10 Min)				

10.1	Inspect frame for damage or corrosion	i	S	Τ	P	
10.2	Inspect frame for mounting and electrical connections	Í	5	1	P	
10.3	Inspect condition of road side and curb side skid plates		S		P	
10.4	Inspect front axle mounting hardware for looseness, wear and damage		5	,	P	
10.5	Inspect radius rods for wear or looseness		2		p	
10.6	Inspect shock absorbers for bushings, mounting brackets, leakage or damage		S		P	
10.7	Inspect all front axle hoses for condition and routing clearance		5		P	
10.8	Inspect both front axle air springs for cracks, abrasions or other damage (Use soap solution to check for leaks)	1	5		P	
10.9	Inspect leveling valve for proper operation, mounting, looseness, wear, damage or leaks	1	5		P	
10.10	Record front axle ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle. Front ride height 3.0-inch		S		P	Ride Height:inch
10.11	Inspect mud flap mounting for integrity		5		P	
10.12	Check or replace static straps (Only on rear)		S		p	
11.0	FRONT & REAR BRAKE SYSTEM (Approx: 25 Min)	alar alar				
11.1	Measure and record brake rod travel,on both road and curb sides. Record the travel, Maximum travel is 1 3/4 inches (Front)		5		P	$ RF \underline{13/4} \text{ inches} \\ LF \underline{13/9} \text{ inches} $
11.2	Measure and record brake rod travel,on both road and curb sides. Record the travel, Maximum travel is 2 inches (Rear)		S		P	RR inches
11.3	Check brake lining for cracks and seperation	1	5		p	
11.4	Check brake linning thickness. Good until wear line is no longer visible		5		p	Front: Replace Yes No Rear: Replace Yes No
11.5	Inspect hoses and lines for securement and condition. Check for rubbing on the front tires		5		p	
11.6	Inspect mounting nuts		5		P	
11.7	Inspect drums for scoring, heat cracks and rust		S		p	
11.8	Check slack adjuster roll pin for excessive looseness and frozen pin		3		P	
12.0	STEERING COMPONENTS (Approx: 30 Min)	in and	444) 			
12.1	Inspect center link for wear or damage	1	2	1	P	
12.2	Jack front axle, properly set axle on jack stands, unload axle and inspect kingpins	1	5		ρ	

12.3	Inspect steering knuckle axial play and indicate pin movement. Maximum axial play specificiation is 0.016" Note measurement and if measurement exceeds 0.016", advise supervisor	1		P	Axial play measurement:
12.4	Inspect King Pin radial play (side to side). Maximum radial play specificiation is 0.004". Note measurement and replace King Pin if radial play measurement is in excess of 0.004", advise supervisor	1.	2	ρ	Radial play measurement:
12.5	Verify tie rod end cotter pins are in place on both right and left sides. (if applicable)	1		P	
12.6	Inspect left and right tie rod ends for wear and play by using the rocking method . Replace both tie rod ends if any play is found in either tie rod	1		ρ	
12.7	Lubricate both tie rod ends. (If equipped)	1		P	
12.8	Lubricate kingpins, use the 2 fittings one for upper and one for lower	1		P	
12.9	Lubricate cam shaft bushing and slack adjuster, Being careful not to get grease on linings	1		P	
12.10	Inspect drag link for wear or damage	n		P	
12.11	Lubricate drag link forward and rear		5	P	1
12.12	Inspect idler arm for wear or damage		5	P	
12.13	Inspect Steering hoses/lines for leaks, routing and condition	1	ŝ	P	
12.14	Inspect power steering box for leaks		5	P	
12.15	Inspect power steering box for loose mounting hardware	1)	P	
12.16	Inspect pitman arm for wear and integrity	p		P	
12.17	Inspect steering U-joints and slip joints for wear and damage	1	5	p	
12.18	Lubricate all fittings on miter box, steering u-joints, and applicable components. (ONLY USE HAND GREASE GUN ON MITER BOX FITIINGS)	1		P	
13.0	FUEL TANK (Approx: 5 Min)	2		-	
13.1	Inspect fuel tank for leaks	1		P	
13.2	Inspect fuel fill tube condition from the receptacle to the tank. Inspect for secure mounting and that the tube is not rubbing on anything	1	5	P	
13.3	Inspect tank mounting hardware and insulation for damage, looseness or being out of place	1		P	
13.4	Inspect fuel cap	A	5	P	
14.0	REAR AXLE (Approx: 10 Min)	-			1.
14.1	Inspect mounting hardware for integrity, wear and damage	Y	1	P	
14.2	Inspect radius rods for wear and damage and looseness	1	8	P	

18.0	ENGINE COMPARTMENT (Approx: 2.5 Hours)				
	AFTER ROAD TEST AND ENGINE IS WARM				
17.6	Inspect mounting and routing of air lines. Look for chafing, kinks or damage. (Note location of discrepancies on defect column)	r		P	
17.5	Inspect mounting for integrity	1		P	
17.4	Inspect for oil contamination. Excessive oil residue at purge valve	Y	5	P	
17.3	Inspect all lines and fittings for leakage and integrity for air tanks	Y)	P	
17.2	Inspect all electrical wiring and connections at air dryer. Four drain ports	n		P	
17.1	Drain all the air tanks. Note: If excessive water is found, note on defect sheet. Including ping tank	1	1	P	
17.0	AIR SYSTEM (Approx: 10 Min)	and the	1.25		
16.4	Inspect drive shaft straps Check for drive shaft phase and "U" bracket	1		P	
16.3	Inspect bearing straps and bolts for wear or integrity		5	F	
16.2	Inspect yoke flange for wear and integrity		2	P	
16.1	Inspect u-joints and slip splines for damage and wear. Grease 3 fittings and lubricate U-joints and slip splines	1		P	
16.0	DRIVE SHAFT (Approx: 10 Min)				
15.3	Inspect for leaks		5	P	1 - march 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
15.2	Inspect fluid level on the back side of the differential center section and rear wheel hubs		S	P	
15.1	Clean differential breather	1	2	P	
15.0					
14.10	Inspect condition of the S1 Guard rubber and mounting		1	P	
14.9	Inspect hubs and axles flanges for leaks		5	P	
14.8	Inspect mud flap mounting hardware for integrity or damage	1)	P	
14.7	Measure and record rear ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle rear ride height 3 ³ / ₄ inch	1	-	P	Ride Height: 33/9/inch
14.6	Inspect leveling valve for proper operation, mounting, integrity, wear, damage or leaks		5	P	
14.5	Inspect air springs for cracks, abrasions or other damage (Use soap solution to check for leaks)		5	P	
14.4	Inspect hoses for condition and routing	1	5	P	
14.3	Inspect shock absorber bushing, mounting brackets, leakage or damage	1		1	

18.1	 Drain engine oil and change oil filter. B86-8297 Take samples of the following components Pre-fill oil filter with motor oil (USING PROPER TOOLS AND PROCEDURES!) Fill engine with 15W-40 engine oil. 	7	S	ρ	
18.2	Inspect engine/transmission mounts and cradle attachments	3	5	P	
18.3	Change coolant filter (B86-7502)	1	3	P	
18.4	Replace primary fuel filter (B86-8751) Pre-fill fuel filter		5	P.	
18.5	Change air filter and check air restriction guage. 04000 & 05000 air filter: (B86-10008) Clean the air filter housing	1	3	P	
18.6	Replace power steering filter (B85-5001) check & adjust fluid level. Inspect hydraulic hoses & fittings for leaks	1	5	p	
18.7	Inspect for fluid leaks. Be specific on defect sheet about location of leak	9	5	P	
18.8	Inspect turbocharger for leaks and loose mounting		5	P	
18.9	Inspect exterior for fluid leaks and loose mounting hardware		5	P	
18.10	Inspect hoses, clamps and gaskets		5	P	
18.11	Inspect mounting hardware and brackets on both the engine and A/C belt guards	1	5	P	1
18.12	Inspect condition of A/C compressor mounting hardware, wiring harness, connectors and service caps	1	S	P	
18.13	Verify all A/C lines are secure	1	3	P	
18.14	Inspect A/C compressor shaft seal, cylinder heads, valves, and housing leaks	1		P	
18.15	Inspect condition of all engine lines and electrical wiring harnesses	1	5	P	
18.16	Inspect supply fuel pump for leaks	n		Pa	
18.17	Service spinner oil filter (B86-10044)	1		Pa	
18.18	Inspect spinner oil filter for operation	1	2	P	
18.19	Fill engine with 15W-40. Operate engine, re-inspect level and top off if necessary	1	8	p	
18.20	Ensure dipstick tube is securely mounted, not rubbing on anything and dipstick seats properly	1		P	
18.21	Inspect oil filler cap for proper seal, mounting and springs	1	5	P	
18.22	Verify transmission dipstick tube is securely mounted and dipstick seals properly	1		P	
18.23	Inspect control box mounting	1		Pa	
18.24	Inspect wiring harness and connectors to rear box	1	2	P	
18.25	Verify proper operation of rear run switches	1		P	

18.37	Inspect exhaust system for restrictions and leaks. (black soot) Inspect exhaust system mounting brackets for loose	1		P	
18.36	Inspect for loose or damaged air hose clamps and support brackets	1	7	P	
18.35	Inspect all intake air tubing and hoses for holes, leaks, cracks and dirt build-up at connections	1		P	
18.33 18.34	Inspect condition of coolant hoses, tubing and mounting clamps. Tighten any loose clamps Inspect coolant sensors and wiring harness to sensor	1		P	
18.32	Take sample of coolant and using the appropriate testing equipment, record test results <u>-31</u> . Check coolant protection Spec -34 degrees F		1	P	Test Result:
18.31	Inspect condition of coolant surge tank, pressure relief valve and filler cap	1	3	P	
18.29 18.30	Inspect the belts, pulleys and tensioners for wear and damage Inspect tension on manual/automatic adjusted belts	/	í.	FP	Replace ac Belt
18.27 18.28	Inspect for damaged hydraulic hoses and fittings Inspect power steering pump for leaks	1	5	P	, , , , , , , , , , , , , , , , , , , ,
18.26	Inspect lines and electrical wiring harnesses for conditions, clearance, chaffing and that the correct clamps are being used for securement	1	1	P	

Repairman's Notes/Additional defects found	REPAIRED (YES/NO)	FOLLOW UP W/O NUMBER
	,	
		Kepaninan's Notes/Additional defects found (YES/NO)

		1	
REPAIRMAN I	T 1 (90171.011 000)	PAYROLL #	28899
REPAIRMAN II	and at	PAYROLL #	75698
SUPERVISOR		PAYROLL #	09193.
SUPERINTED		PAYROLL #	57857-Q 3/22/16

SATELLITE STOREROOM PARTS REQUEST FORM

Requested by:		-	<u> </u>	
WorkOrder#:		_		
QTY REQ	Description	QTY Delivered	MTA Item #	
1	Defroster Filter		B96-10009	
1	Return Air Filter		B96-10010	
1	Primary Engine Air Filter		B86-10008	
1	Engine Oil Filter		B86-8297	
1	Coolant Filter		B86-7502	
1	Primary Fuel Filter		B86-8751	
1	Power Steering Filter		B85-5001	
1	Spinner Oil filter		B86-10044	

Filled by:_____

Date/Time:_____

Received by:_____

Date/Time:_____



PREVENTIVE MAINTENANCE W/0 # <u>22 33 84 3</u> BUS # <u>0 **5**0 90</u>



30,000 MILES INTERVAL Mileage <u>421, 236</u> DATE <u>1816</u>

PPE EQUIPMENT REQUIRED TO COMPLETE PMI	TOOLS AND SUPPLIES REQUIRED TO COMPLETE A		
1) SAFETY GLASSES	PMI		
2) SAFETY SHOES	1) FLASH LIGHT		
3) WORK GLOVES	2) COMPARTMENT "T" Key		
4) HEARING PROTECTION (SUGGESTED)	3) AIR GAUGE		
	4) TIRE DEPTH GAUGE		
	5) RULER (scaled in 32nds ")		
	6) CALIPER		
	7) SMALL STEP LADDER		
	8) Voltmeter		
	9) Refractometer		

30,000 MILE INSPECTION	(Drum Brake & Oil)) - New Flyer (04000, 05	5000)
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Revised on 12/03/2015

ITEM	DESCRIPTION	INS	PBY	PASS/FAIL	DEFECT
1.0	WALK AROUND (Approx: 30 Min.)		~	0	
1.1	Pressure wash/steam clean the engine	1	2	6	
1.2	Clean the radiator per SOP. Reverse run the EMP system	Y	0	P	
1.3	Walk around the bus looking for body damage. Record any damage	8	6	P	
1.4	Check fluid levels, oil, coolant, transmission fluid, and power steering fluid	×	10	P	
2.0	IN CAB-START UP INSPECTION (Approx: 10 Min)				
2.1	Inspect for overall cab cleanliness and safety hazards	E	2	P	
2.2	Using master switch. Verify operation of all diagnostic and warning lights, alarms and buzzers	R	1	P	
2.3	Verify ABS system check (light)	X	2	P	
2.4	Start engine; listen for unusual noises during starting. Inspect shutdown system	14	t	P	
2.5	Inspect active engine code light for active faults on dash board. Record (C.E.L, EMISSIONS, ETC)	Ya		P	
2.6	Verify operation of remote mirrors. Right only	1	0	P	
2.7	Verify operation of wipers and washers. Left and right	Ye	6	p	
2:8	Verify bike rack operation (Put rack back in place after verification)	K	5	P	
2.9	Inspect condition of the bike rack	F	5	P	
2.10	Do exterior light test by pushing both signal switches at the same time	KK	10	F	LIR FURN BUNB
2.11	Verify driver's two fans, heat control, and auxilary fan	K	1210	R	OURR INUS
2.12	Verify heater/defroster control	Ne	5	F	FRESHAID FRIZ
2.13	Verify instrument panel dimmer switch operation and all guage operation/condition	E	*	P	
2.14	Verify operation of fast idle	D	2	ρ	
2.15	Inspect steering wheel tilt/telescope operation	K		P	

Alte.

2.16	Verify horn operation proper sound	17	2	TP	
2,17	Verify the operation of the destination sign for "Out of Service"		G	P	
2.18	Verify the operation of the kneeler	Í	2	Pr	A.
2.19	Verify the operation of the W/C ramp & clean tracks with air	1	2	P	
3.0	ROAD TEST (SECTION 3 NOT TO EXCEED 45 MINUTES)				
3.1	Verify shift operation	Ľ	1	P	
3.2	Verify hill hold feature	1	101	P	
3.3	Verify back up alarm when transmission in reverse	1	5	P	
3.4	Inspect air governor cut-in and cut-out pressures. All cut-in at 105 and cut-out at 125 (Record) on all three guages	1	10	P	In: <u>/6</u> PSI Out: <u>/2</u> PSI In: <u>/6</u> PSI Out: <u>/2</u> PSI In: <u>/8</u> PSI Out: <u>/2</u> PSI In: <u>/8</u> PSI Out: <u>/2</u> PSI
3.5	Verify steering wheel movement feels normal, no binding or unusual noises	K	5	P	
3.6	Verify parking brake holds when applied	1	(0)	P	
3.7	Inspect condition of brake valve handle	F	0	P	
3.8	Verify front or rear door do not open when traveling	f	(0	P	
3.9	Verify dash brake indicator light illuminates each time service brakes are applied	1	50	P	
3.10	Verify operation of block heater	V	60	p	
3.11	Verify three stops from 20 mph takes less than 23 feet Brake stops should not be done in wet weather. Verify when pavement is dry	X	8	P	1st attemp:feet ////BT
3.12	Inspect operation of hazard switch and verify dash light operation	ľ	6	p	
3.13	Verify interior light master and toggle switch operation	4	2	ρ	
3.14	Verify first bank of lights on curb side when front door is opened	E	-	P	
3.15	Verify operation of the following switches: Driver's light, Stop request and Climate control	VE	5	F	CAMERA LIDITI
3.16	Verify proper operation of HVAC system (temperature, fan speed, vent, etc)	K	0	P	
3.17	Inspect driver's window for cracks and clouding	K	6	P	
3.18	Verify window will slide and latch	T		, p	
3.19	Inspect windshield for chips and cracks	V		P	
3.20	Inspect condition, mounting, hardware and operation of driver's sun visor	V	10	P	
3.21	Verify fare box light (Night run/door open)	YE		P	
3.22	Verify foot switch and dash light operation for both right and left side turn signal	B		P	
3 23	Verify low beam and high beam operation for both right and left side headlight	E		P	
	Verify high beam dash light indicator operation	C	-	P	
3.25	Verify the operation of the rear exit door and interlock	Ē	3	P	

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12	RETURN TO SHOP AND PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK					
4.0	INTERIOR/DRIVER'S COMPARTMENT (Approx: 20 Min)					1.5
4.1	Clean and inspect brake and accelerator treadles, rollers and clevis pins. Lubricate clevis pin	ð	0		P	
4.2	Check transmission fluid using transmission selector	P	0		For	
4.3	Inspect condition of driver's seat, belt, buzzer, and barrier	l			P	
4.4	Verify low air indicator light and alarm at 75 PSI on all three guages	P	(P	
4.5	Record low pressure indicator light PSI	P	0		P	Front axle: 75 PSI Rear axle: 75 PSI
4.6	Inspect function of parking brake valve 1. Chock Wheels 2. Pressure is at least 120 PSI 3. Lower air pressure 4. Record Psi when valve "pops off" or engages at 60 PSI and below	y	2		P	Valve pop off: 45PSI
4.7	Verify parking brake off alarm	P		Γ,	P	
5.0	INTERIOR/PASSENGER AREA (Approx: 20 Min)					
5.1	Inspect interior lighting	S			P	Con Sientour into
5.2	Inspect mirrors mounting and condition	5			ρ	· · · · > · p · · · p
5.3	Lubricate upper and lower front door bushings	5		R	P	
5.4	Verify the operation of exit door push operation and emergency release (front & rear)	5			P	
5.5	Inspect all front & rear door glass	5			F	Fort Door lewer Corner Colussa
5.6	Inspect passenger seats for damage, cleanliness, graffiti and loose mounting hardware	S			P	
5.7	Inspect driver's area for evidence of water leaks	5			p	
5.8	Inspect stanchions for loose rails, straps, and hardware cleanliness and damage	5.			P	
5.9	Inspect modesty panels for cleanliness, graffiti and securement	5	2		P	
5.10	Inspect floors for cleanliness	5	7		0	
5.11	Inspect floor joints for proper bonding and connection	5		1	0	
5.12	Verify floor lamp(s) operation	5		1	P	LORT Floor (App) floor and
5.13	Inspect all window release handles (Latches)	6	•		0	Car ind militan hod

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5.14	Inspect operation of slide window latch mechanisms. Inspect operation of all Emergency exit window handles. Test opening/latching windows. All emergency window must open easily, and should be greased with approved lubrication. (B61-0206CS)			1	P		
5.15	Inspect windows for damage or cracks replace if necessary			2	P		
5.16	Check all light panels for looseness or separation)	P		
5.17	Inspect stop request chimes (or buttons) and w/c stop request				P		
5.18	Inspect both emergency hatches for cleanliness, instructions, latching and proper operation				P		
5.19	Inspect front door rollers (Do not lubricate)	-		-	P		
5.20	Clean return air grill after replacing filter (B96-10010) at rear of bus	4		1	ρ		
6.0	AUXILLARY COOLANT HEATER (PROHEAT) (Approx: 5 Min)					A CAR	
6.1	Inspect all fuel lines in system for leaks, abrasions, kinks and damage	5			P		
6.2	Inspect all coolant lines in system for leaks, abrasions, kinks and damage	~			φ		
6.3	Inspect coolant pump for operation and leaks	4			P		1 mg
6.4	Inspect wiring harness and connections in system				P		N
6.5	Inspect all mounting hardware for integrity	0			P		5
6.6	Inspect exhaust pipe for damage and leaks	<			P		
7.0	EXTERIOR (Approx: 30 Min)						
7.1	Inspect wiper arm linkage				P		
7.2	Lubricate all latches and hinges	4			6.		
7.3	Lubricate exterior mirrors	0			10		1
7.4	Change defroster filter (B96-10009)	<			D		
7.5	Inspect washer fluid level and fill as necessary		j	1	b		
7.6	Verify all props are operational on all exterior access doors	2			P		
7.7	Verify all hinges are operational on all exterior access doors	5		2	P		
7.8	Check interlock pressure, located in electrical box over the batteries. Verify at shrader valve. Pressure is set at 45 PSI. (+/-). Record (Adjust if necessary)	4		•	P	Interlock Pressure: <u>45</u> PSI	
7.9	Verify all securement locks are operational on all exterior access doors. Lubricate locks with (B61- 0206CS)	S			P		
7.10	Verify all compartment lights are operational (4 lights)	<			P		1
	Verify all engine compartment lights are operational	-		5	10		-

7.12	 Wheels & Tires 1. Check for bent & damaged wheels. 2. Inspect all wheel torque indicators (Green & Purple). Torque all wheel nut positions to 425 ft-lbs using a torque wrench. 3. Inspect front bearing covers for leaks 4. Check tire pressure any tire lower than 100 PSI is considered a flat and should be changed (Record) 		l	P	Left Front: <u>120</u> PSI Left Rear Inner: <u>400</u> PSI Left Rear Outer: <u>100</u> PSI Right Front: <u>120</u> PSI Right Rear Inner: <u>100</u> PSI Right Rear Outer: <u>100</u> PSI
	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON MID-LEVEL WITH BUS ON LIFT				
7.13	WHEELS & Tires (CONTINUED) Measure and record tread depth for each tire (6/32" min) lowest point on the tire or steel cord showing tire is to be replaced	J	2	P	Left Front: 24/32 Left Rear Inner: 12/32 Left Rear Outer: 12/32 Right Front: 24/32 Right Rear Inner: 10/32 Right Rear Outer: 9/32
8.0	BATTERIES & ELECTRICAL (Approx: 15 Min)				
8.1	Clean and inspect battery trays and all hold down hardware	4	2	P	
8.2	Inspect tray pullout handles	1	5	P	
8.3	Record alternator output from battery/charging system test. Bus should be running on fast idle with a full load. (all lights and HVAC on) RECORD using volt meter at + and - terminal for 24V	1-	-	P	VOLTAGE: <u>27.9</u> V SPEC: MAXIMUM 28 VOLTS
8.4	Inspect battery disconnect switch for corrosion. Check if lugs are tight and clean if necessary	<	2	P	
8.5	Inspect all battery and switch cables and wiring for routing and condition	C a	2	P	
8.6	Inspect electrical box for condition		2	P	
8.7	Check Vanner equalizer by checking 12V and 24V systems. Batteries should be within 0.1-0.2 volts of each other	-		P	
9.0	RADIATOR & COOLING SYSTEM (Approx: 30 Min)				
9.1	Inspect radiator screen	<		P	
9.2	Inspect radiator for leaks and dirt. Clean if dirty using pressurized air	0		P	
9.3	Inspect for bent fins in core		-	P	
9.4	Inspect EMP fan system. Inspect for cracks, missing or loose blades. Check for codes	5		Ø	
9.5	Inspect fan motor, hoses, piping and control valves	5		6	
9.6	Re-check reverse run feature, check for fault lights	5			
9.7	Pressure test radiator with pressure gauge. Pressure shall be 10 PSI and note any leaks found on cooling system components	5	1	P	

	PROCEED TO CONDUCT THE FOLLOWING INSPECTION AND TASK ON HIGH-LEVEL WITH BUS ON LIFT		£		
10.0	CHASSIS/UNDERBODY (Approx: 10 Min)			0	
10.1	Inspect frame for damage or corrosion	(2	P	
10.2	Inspect frame for mounting and electrical connections	C	2	p	
10.3	Inspect condition of road side and curb side skid plates		2	þ	
10.4	Inspect front axle mounting hardware for looseness, wear and damage		2	P	
10.5	Inspect radius rods for wear or looseness		2	b	
10.6	Inspect shock absorbers for bushings, mounting brackets, leakage or damage	00	2	6	
10.7	Inspect all front axle hoses for condition and routing clearance		1	0	
10.8	Inspect both front axle air springs for cracks, abrasions or other damage (Use soap solution to check for leaks)	~)	2	ρ	
10.9	Inspect leveling valve for proper operation, mounting, looseness, wear, damage or leaks		1	P	
10.10	Record front axle ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle. Front ride height 3.0-inch		>	Q	Ride Height: <u>3.0</u> inch
10.11	Inspect mud flap mounting for integrity		7	Ø	
10.12	Check or replace static straps (Only on rear)		2		
11.0	FRONT & REAR BRAKE SYSTEM (Approx: 25 Min)				
11.1	Measure and record brake rod travel,on both road and curb sides. Record the travel, Maximum travel is 1 3/4 inches (Front)	5	1	ρ	RF inches LF inches
11.2	Measure and record brake rod travel,on both road and ^c curb sides. Record the travel, Maximum travel is 2 inches (Rear)	2		P	$\frac{RR}{LR} \frac{1/2}{1/2} \text{ inches}$
11.3	Check brake lining for cracks and seperation	<		V	
11.4	Check brake linning thickness. Good until wear line is no longer visible	5		0	Front: Replace YesNo Rear: Replace YesNo
11.5	Inspect hoses and lines for securement and condition. Check for rubbing on the front tires	4		P	
11.6	Inspect mounting nuts	0		R	
11.7	Inspect drums for scoring, heat cracks and rust	C		P	
11.8	Check slack adjuster roll pin for excessive looseness and frozen pin	S	-	þ	
.2.0	STEERING COMPONENTS (Approx: 30 Min)				
-	Inspect center link for wear or damage		-	P	

12.2	Jack front axle, properly set axle on jack stands, unload axle and inspect kingpins		D	8	
12.3	Inspect steering knuckle axial play and indicate pin movement. Maximum axial play specificiation is 0.016" Note measurement and if measurement exceeds 0.016", advise supervisor)	8	Axial play measurement:
12.4	Inspect King Pin radial play (side to side). Maximum radial play specificiation is 0.004". Note measurement and replace King Pin if radial play measurement is in excess of 0.004", advise supervisor			P	Radial play measurement:
12.5	Verify tie rod end cotter pins are in place on both right and left sides. (if applicable)		>	P	
12.6	Inspect left and right tie rod ends for wear and play by using the rocking method . Replace both tie rod ends if any play is found in either tie rod)	P	
12.7	Lubricate both tie rod ends (if equipped)		0	0	
12.8	Lubricate kingpins, use the 2 fittings one for upper and one for lower		\sim	P	
12.9	Lubricate cam shaft bushing and slack adjuster, Being careful not to get grease on linings		\mathbf{D}	P	
12.10	Inspect drag link for wear or damage		0	P	
12.11	Lubricate drag link forward and rear		0	P	
12.12	Inspect idler arm for wear or damage		D	F	Replace ding in Kstaplei
12.13	Inspect Steering hoses/lines for leaks, routing and condition		0	P	Don't talke greese ?
12.14	Inspect power steering box for leaks		2	l	
12.15	Inspect power steering box for loose mounting hardware	6	>	P	
12.16	Inspect pitman arm for wear and integrity)	P	
12.17	Inspect steering U-joints and slip joints for wear and damage		0	P	
12.18	Lubricate all fittings on miter box, steering u-joints, and applicable components. (ONLY USE HAND GREASE GUN ON MITER BOX FITIINGS)		2	P	
13.0	FUEL TANK (Approx: 5 Min)				
13.1	Inspect fuel tank for leaks	1)	8	
13.2	Inspect fuel fill tube condition from the receptacle to the tank. Inspect for secure mounting and that the tube is not rubbing on anything	1		P	
	Inspect tank mounting hardware and insulation for damage, looseness or being out of place	R		R	
13.4	Inspect fuel cap)	l	
14:0	REAR AXLE (Approx: 10 Min)		/	2.1	~
14.1	Inspect mounting hardware for integrity, wear and damage	4)	P	
			/		

14.2	Inspect radius rods for wear and damage and looseness		\mathbf{D}	F	Left Rear lower bud
14.3	Inspect shock absorber bushing, mounting brackets, leakage or damage		>	P	
14.4	Inspect hoses for condition and routing		2	P	
14.5	Inspect air springs for cracks, abrasions or other damage (Use soap solution to check for leaks))	P	
14.6	Inspect leveling valve for proper operation, mounting, integrity, wear, damage or leaks	6	>	F	gadjust rear leveling valu
14.7	Measure and record rear ride height. Ride height is measured between the axle and the rubber stop mounted to the frame of the vehicle rear ride height 3 ³ / ₄ inch	ſ	>	F	Ride Height: <u>3</u> inch
14.8	Inspect mud flap mounting hardware for integrity or damage	6	5	P	
14.9	Inspect hubs and axles flanges for leaks	X	,	P	
14.10	Inspect condition of the S1 Guard rubber and mounting bracket	1)	P	
15.0	DIFFERENTIAL (Approx: 30 Min)				
15.1	Clean differential breather	/		P	
15.2	Inspect fluid level on the back side of the differential center section and wheel hubs	p		P	
15.3	Inspect for leaks	1)	D	
16.0	DRIVE SHAFT (Approx: 10 Min)		-	1	
16.1	Inspect u-joints and slip splines for damage and wear. Grease 3 fittings and lubricate U-joints and slip splines		2	P	
16.2	Inspect yoke flange for wear and integrity		2	0	
16.3	Inspect bearing straps and bolts for wear or integrity	1)	Ó	
16.4	Inspect drive shaft straps Check for drive shaft phase and "U" bracket	0		P	
17.0	AIR SYSTEM (Approx: 1 Hour)				
17.1	Drain all the air tanks. Note: If excessive water is found, note on defect sheet. Including ping tank	P		P	
17.2	Inspect all electrical wiring and connections at air dryer. Four drain ports	1	0	B	
17.3	Inspect all lines and fittings for leakage and integrity for air tanks	1		P	
17.4	Inspect for oil contamination. Excessive oil residue at purge valve	lk		P	
17.5	Inspect mounting for integrity	10		4	
17.6	Inspect mounting and routing of air lines. Look for chafing, kinks or damage. (Note location of discrepancies on defect column)	r)	P	
	Replace air dryer cartridges: 04000: B91-8371 05000: B91-0107 (If not equipped with AD-9 Dryer)	2		P	

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	AFTER ROAD TEST AND ENGINE IS WARM	- TC				
18.0	ENGINE COMPARTMENT (Approx: 2.5 Hours)					
18.1	 Drain engine oil and change oil filter. B86-8297 Take samples of the following components Pre-fill oil filter with motor oil (USING PROPER TOOLS AND PROCEDURES!) Fill engine with 15W-40 engine oil. 			P	÷ .	
18.2	Inspect engine/transmission mounts and cradle attachments	1		F	Fronts bod	
18.3	Change coolant filter (B86-7502)	(>	0		
18.4	Replace primary fuel filter (B86-8751) Pre-fill fuel filter		0	P		
18.5	Change air filter and check air restriction guage. 04000 & 05000 air filter: (B86-10008) Clean the air filter housing		2	P		
18.6	Inspect lines and electrical wiring harnesses for conditions, clearance, chaffing and that the correct clamps are being used for securement	Y		P		
18.7	Inspect for fluid leaks. Be specific on defect sheet about location of leak	6		P		
18.8	Inspect turbocharger for leaks and loose mounting	10		P		
	Inspect exterior for fluid leaks and loose mounting hardware)	P		
	Inspect hoses, clamps and gaskets	1		R		
	Inspect mounting hardware and brackets on both the engine and A/C belt guards	Y	8	P		
1812 1	Inspect condition of A/C compressor mounting hardware, wiring harness, connectors and service caps	f		P		
	Verify all A/C lines are secure			P		
	Inspect A/C compressor shaft seal, cylinder heads, valves, and housing leaks	12		8	-	
	Inspect EMP alternator. Inspect air intake ducting for damage and clean air intake screen if necessary.	R		P		
IX IN I	Inspect condition of all engine lines and electrical wiring harnesses	ſ		P		
18.17	Inspect supply fuel pump for leaks	1		P		N. R. R.
18.18	Service spinner oil filter (B86-10044)	6.		F	Replace Spinner 955	PN
18.19	Inspect spinner oil filter for operation	9	>	F		1
	Fill engine with 15W-40. Operate engine, re-inspect level and top off if necessary	6		P		in the second se
	Ensure dipstick tube is securely mounted, not rubbing on anything and dipstick seats properly	C	2	P	(Y -	-

18.22	Inspect oil filler cap for proper seal, mounting and springs	G	1-	P	
18.23	Verify transmission dipstick tube is securely mounted and dipstick seals properly	G	11	P	
18.24	Inspect control box mounting	C		r	
18.25	Inspect wiring harness and connectors to rear box	6	1	P	
18.26	Verify proper operation of rear run switches	6		p	
18.27	Inspect for damaged hydraulic hoses and fittings	6		P	
18.28	Inspect power steering pump for leaks	6		F	beak AROUND Hyde PURIP
18.29	Inspect the belts, pulleys and tensioners for wear and damage	6	1	P	
18.30	Inspect tension on manual/automatic adjusted belts	6	1 1	P	
18.31	Inspect condition of coolant surge tank, pressure relief valve and filler cap	6		P	() () () () () () () () () ()
18.32	Take sample of coolant and using the appropriate testing equipment, record test results Check coolant protection Spec -34 degrees F	6		p	Test Result: <u>-34</u> °
18.33	Inspect condition of coolant hoses, tubing and mounting clamps. Tighten any loose clamps	6	cl	P	
18.34	Inspect coolant sensors and wiring harness to sensor	6	-	p	-
18.35	Inspect all intake air tubing and hoses for holes, leaks, cracks and dirt build-up at connections	G	1 V	p	941 87
18.36	Inspect for loose or damaged air hose clamps and support brackets	6	51	P	~
18.37	Inspect exhaust system for restrictions and leaks (black soot)	G	11	F	EXHAUST BEAK AND BIACK SOOT
18.38	Inspect exhaust system mounting brackets for loose hardware	G	. /	P	
18.39	Inspect all heat shields for damage	6	1	P	
18.40	Inspect tailpipe for damage and loose hardware	G	01	P	
18.41	Inspect exhaust bellows for leaks and damage	6	1	p	E 1 11 1 . D-11
18.42	Replace crankcase filter (B86-8825)	1.		P	Installed crankcase fille
19.0	LOWER BUS AND COMPLETE (Approx: 5 Min)				
19.1	Turn Aux Heater switch to "Enable" or "On"	0	-	P	
19.2	Attach the supervisor follow up sheet to PMI sheet	100	/	P	
20.0	INPUT DATA INTO MAXIMO				

ITEM #	Repairman's Notes/Additional defects found	REPAIRED (YES/NO)	FOLLOW UP W/O NUMBER

PAYROLL # _ RESEY PAYROLL # _ BESEY PAYROLL # _ DO 1/973. PAYROLL # _ S785/ DO 1/13/16 SATELLITE STOREROOM PARTS REQUEST FORM PARTS REQUEST FORM Parts requested by: Part _ Date/Time: Part _ Date/Time:				
EPAIRMAN II PAYROLL #	- 1.5	200PCR 15970 L	0706-41913	
UPERVISOR PAYROLL # Decorr (dracedopender) PAYROLL # SATELLITE STOREROOM PAYROLL # SATELLITE STOREROOM PAYROLL # Decorr (dracedopender) PAYROLL # Decorr (dracedopender) PAYROLL # SATELLITE STOREROOM PAYROLL # Decorr (dracedopender) Payroll # Payroll # Decorr (dracedopender) Payroll # Decorr (dracedopender) Payroll # Decorr (dracedopender) Payroll # Decorr (dracedopender) Payroll # Decor (dracedopender) Payroll #	EPAIRMAN I		PAYROLL # _	28889
UPERINTED PAYROLL #	EPAIRMAN II		PAYROLL #	65460
SATELLITE STOREROOM PARTS REQUEST FORM equested by:	UPERVISOR		PAYROLL #	00193.
PARTS REQUEST FORM equested by: Date/Time: chronometer/meter/meter Date/Time: dorkOrder/meter Vehicle #: QTY REQ Description QTY Delivered MTA Item # 1 Defroster Filter B96-10009 1 Return Air Filter B96-10010 1 Primary Engine Air Filter B86-10008 1 Air Dryer Cartridge 04000: B91-8371 05000: B91-0107 (If not equipped with AD-9 Dryer) 1 Engine Oil Filter B86-8297		POLNI VUMENUMAN	PAYROLL #	57851-01/12/16
PARTS REQUEST FORM equested by: Date/Time: corkOrder#: Vehicle #: QTY MTA Item # QTY Description QTY Defivered MTA Item # 1 Defroster Filter B96-10009 1 Return Air Filter B96-10010 1 Primary Engine Air Filter B86-10008 1 Air Dryer Cartridge O4000: B91-8371 05000: B91-0107 (If not equipped with AD-9 Dryer) 1 Engine Oil Filter B86-8297		SATE	LITE STOREROO	N/
equested by: Date/Time: /orkOrder#: Vehicle #: QTY Description QTY Defroster Filter 1 Defroster Filter 1 Return Air Filter 1 Primary Engine Air Filter 1 Air Dryer Cartridge 1 Engine Oil Filter				
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REQDescriptionDeliveredMTA Item #1Defroster FilterB96-100091Return Air FilterB96-100101Primary Engine Air FilterB86-100081Air Dryer Cartridge04000: B91-8371 05000: B91-0107 (If not equipped with AD-9 Dryer)1Engine Oil FilterB86-8297	equested by:_			
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1 Primary Engine Air Filter B86-10008 1 Air Dryer Cartridge 04000: B91-8371 05000: B91-0107 (If not equipped with AD-9 Dryer) 1 Engine Oil Filter B86-8297	/orkOrder#:		_ Date _ Vehi	:/Time: cle #:
1 Air Dryer Cartridge 04000: B91-8371 05000: B91-0107 (If not equipped with AD-9 Dryer) 1 Engine Oil Filter B86-8297	/orkOrder#: QTY REQ	Description	_ Date _ Vehi	e/Time:
1 Air Dryer Cartridge 05000: B91-0107 (If not equipped with AD-9 Dryer) 1 Engine Oil Filter B86-8297	/orkOrder#: QTY REQ 1	Description Defroster Filter	_ Date _ Vehi	e/Time: cle #: MTA Item # B96-10009
	VorkOrder#: QTY REQ 1 1	Description Defroster Filter Return Air Filter	_ Date _ Vehi	e/Time: cle #: MTA Item # B96-10009 B96-10010
1 Coolant Filter B86-7502	CorkOrder#: QTY REQ 1 1 1	Description Defroster Filter Return Air Filter Primary Engine Air Filter	_ Date _ Vehi	e/Time: cle #: MTA Item # B96-10009 B96-10010 B86-10008 04000: B91-8371
	VorkOrder#: QTY REQ 1 1 1 1 1 1 1	Description Defroster Filter Return Air Filter Primary Engine Air Filter Air Dryer Cartridge	_ Date _ Vehi	e/Time: cle #: MTA Item # B96-10009 B96-10010 B86-10008 04000: B91-8371 05000: B91-0107 (If not equipped with AD-9 Dryer)

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Primary Fuel Filter

Spinner Oil filter

Crankcase Filter

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B86-8751

B86-10044

B86-8825

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Filled by:_____

Date/Time:_____

Received by:_____

Date/Time:_____