Business Systems Information Portal (BSIP) VMRS Codes – Introduction

Vehicle Maintenance Reporting Standards (VMRS) is the system used to track bus and vehicle maintenance throughout the state. These codes were created by the American Trucking Associations (ATA) as a uniform system of reporting and tracking maintenance across many different types of equipment.

Proper use of VMRS codes in BSIP is important for revealing problem areas in particular vehicle models and identifying areas of increased maintenance costs.

A VMRS code is nine digits in the form: 123-456-789.

1. The first three digits are the most important as they indicate the major system

Examples:

013 – Brakes 044 – Fuel System 017 – Tires, Tubes, Liners & Valves 174 – Bus Body 024 – Drive Shafts ...etc

2. The second three digits indicate the area within the larger systems:

Brake Examples:

013-001 – Front Brakes & Drums

013-002 – Rear Brakes & Drums

013-003 – Parking Brakes

013-006 – Brake Master Cylinder

...etc

Bus Body Examples:

174-005 – Standard Side Window Components

174-013 – Bus Rear Emergency Door Components

174-017 – School Bus Stop Arm Components

...etc

3. The final three digits indicate the actual item being serviced:

Front Brake Examples:	Bus Seat Component Examples:
013-001-005 – Guide – Front Brake Shoe	174-022-004 – Frame – Bus Seat
013-001-015 – Lining – Brake Front	173-022-008 – Cushion, Back – Bus Seat
013-001-023 – Drum – Front Brake	174-022-011 – Cover, Seat – Bus Seat
013-001-025 – Damper Spring – Front Brake Drum	174-022-014 – Hinge – Bus Flip Seat
013-001-123 – Stop – Slack Adjuster	174-022-029 – Panel – Bus Seat
etc	etc

The follow pages contain a one page list of primary system codes for buses (and other trucks) as well as a list of second level codes which apply to buses.

Primary System Level Codes for Buses:

001 AIR CONDITIONING, HEATING & VENTILATING SYSTEM 002 CAB & SHEET METAL 003 INSTRUMENTS, GAUGES, WARNING & SHUTDOWN DEVICES, & METERS 010 CHASSIS GROUP 011 AXLES - FRONT STEERING 013 BRAKES 014 FRAME COMPONENTS 015 STEERING 016 SUSPENSION 017 TIRES, TUBES, LINERS & VALVES 018 WHEELS, RIMS, HUBS & BEARINGS 022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 035 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS 174 BUS BODY	I	
1003 INSTRUMENTS, GAUGES, WARNING & SHUTDOWN DEVICES, & METERS 1010 CHASSIS GROUP 1011 AXLES - FRONT STEERING 1013 BRAKES 1014 FRAME COMPONENTS 1015 STEERING 1016 SUSPENSION 1017 TIRES, TUBES, LINERS & VALVES 1018 WHEELS, RIMS, HUBS & BEARINGS 1022 AXLES - DRIVEN, REAR 1024 DRIVE SHAFTS 1027 TRANSMISSION - AUTOMATIC 1031 CHARGING SYSTEM 1032 CRANKING SYSTEM 1033 IGNITION SYSTEM 1034 LIGHTING SYSTEM 1037 MODULES/RELAYS - ELECTRICAL 1041 AIR INTAKE SYSTEM 1042 COOLING SYSTEM 1043 EXHAUST SYSTEM 1044 FUEL SYSTEM 1055 GENERAL ACCESSORIES 1052 ELECTRICAL ACCESSORIES 1053 EXPENDABLE ITEMS 1054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 1055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	001	·
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011AXLES - FRONT STEERING013BRAKES014FRAME COMPONENTS015STEERING016SUSPENSION017TIRES, TUBES, LINERS & VALVES018WHEELS, RIMS, HUBS & BEARINGS022AXLES - DRIVEN, REAR024DRIVE SHAFTS027TRANSMISSION - AUTOMATIC031CHARGING SYSTEM032CRANKING SYSTEM033IGNITION SYSTEM034LIGHTING SYSTEM037MODULES/RELAYS - ELECTRICAL041AIR INTAKE SYSTEM042COOLING SYSTEM043EXHAUST SYSTEM044FUEL SYSTEM045POWER PLANT051GENERAL ACCESSORIES052ELECTRICAL ACCESSORIES053EXPENDABLE ITEMS054HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS055CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	003	INSTRUMENTS, GAUGES, WARNING & SHUTDOWN DEVICES, & METERS
013 BRAKES 014 FRAME COMPONENTS 015 STEERING 016 SUSPENSION 017 TIRES, TUBES, LINERS & VALVES 018 WHEELS, RIMS, HUBS & BEARINGS 022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	010	CHASSIS GROUP
014 FRAME COMPONENTS 015 STEERING 016 SUSPENSION 017 TIRES, TUBES, LINERS & VALVES 018 WHEELS, RIMS, HUBS & BEARINGS 022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	011	AXLES - FRONT STEERING
015 STEERING 016 SUSPENSION 017 TIRES, TUBES, LINERS & VALVES 018 WHEELS, RIMS, HUBS & BEARINGS 022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	013	BRAKES
016 SUSPENSION 017 TIRES, TUBES, LINERS & VALVES 018 WHEELS, RIMS, HUBS & BEARINGS 022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	014	FRAME COMPONENTS
017 TIRES, TUBES, LINERS & VALVES 018 WHEELS, RIMS, HUBS & BEARINGS 022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	015	STEERING
018 WHEELS, RIMS, HUBS & BEARINGS 022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	016	SUSPENSION
022 AXLES - DRIVEN, REAR 024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	017	TIRES, TUBES, LINERS & VALVES
024 DRIVE SHAFTS 027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	018	WHEELS, RIMS, HUBS & BEARINGS
027 TRANSMISSION - AUTOMATIC 031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	022	AXLES - DRIVEN, REAR
031 CHARGING SYSTEM 032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	024	DRIVE SHAFTS
032 CRANKING SYSTEM 033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	027	TRANSMISSION - AUTOMATIC
033 IGNITION SYSTEM 034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	031	CHARGING SYSTEM
034 LIGHTING SYSTEM 037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	032	CRANKING SYSTEM
037 MODULES/RELAYS - ELECTRICAL 041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	033	IGNITION SYSTEM
041 AIR INTAKE SYSTEM 042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	034	LIGHTING SYSTEM
042 COOLING SYSTEM 043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	037	MODULES/RELAYS - ELECTRICAL
043 EXHAUST SYSTEM 044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	041	AIR INTAKE SYSTEM
044 FUEL SYSTEM 045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	042	COOLING SYSTEM
045 POWER PLANT 051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	043	EXHAUST SYSTEM
051 GENERAL ACCESSORIES 052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	044	FUEL SYSTEM
052 ELECTRICAL ACCESSORIES 053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	045	POWER PLANT
053 EXPENDABLE ITEMS 054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	051	GENERAL ACCESSORIES
054 HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS 055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	052	ELECTRICAL ACCESSORIES
055 CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS	053	EXPENDABLE ITEMS
, ,	054	HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS
174 BUS BODY	055	CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS
	174	BUS BODY

Extra System Level Codes For Other Trucks:

012	AXLES - NON-DRIVEN, REAR
021	AXLES - DRIVEN, FRONT STEERING
023	CLUTCH SYSTEM
025	TRANSFER CASE
026	TRANSMISSION - MAIN, MANUAL
056	POWER TAKE-OFF
058	VEHICLE WINCHING SYSTEM
059	VEHICLE COUPLING SYSTEM
071	BODY
078	TRIM & MISCELLANEOUS HARDWARE
096	POWER SHAFT - POWER TAKE-OFF

Second Level VMRS Codes for Buses:

	001 - AIR CONDITIONING, HEATING & VENTILATING SYSTEM
001-001-xxx	AIR CONDITIONING ASSEMBLY – COMPLETE
001-002-xxx	HEATING & VENTILATING
001-005-xxx	AUXILIARY FAN – DEFROSTER
	002 - CAB & SHEET METAL
002-001-xxx	RADIATOR GRILLE
002-002-xxx	FENDERS & MUD FLAPS - FRONT WHEEL
002-004-xxx	HOOD
002-005-xxx	COWL PANELS
002-006-xxx	ROOF PANEL & REINFORCEMENTS
002-007-xxx	PILLAR & REINFORCEMENTS
002-008-xxx	INSTRUMENT PANEL
002-009-xxx	SUN VISOR - EXTERIOR & INTERIOR
002-010-xxx	MIRRORS
002-012-xxx	FLOOR PAN
002-013-xxx	FLOOR COVERINGS
002-014-xxx	PANEL DEADENERS
002-027-xxx	SEAT FRAMES & SPRINGS (Driver's Seat Only)
002-028-xxx	ADJUSTER - FRONT SEAT (Driver's Seat Only)
002-035-xxx	WINDSHIELD WIPER & WASHER
003 -	INSTRUMENTS, GAUGES, WARNING & SHUTDOWN DEVICES, & METERS
003-001-xxx	GAUGES & WARNING DEVICES
003-002-xxx	SPEEDOMETER
003-004-xxx	SHUTDOWN DEVICES
	011 - AXLES - FRONT STEERING
011-001-xxx	AXLE COMPONENTS - NON-DRIVEN, FRONT
	013 - BRAKES
013-001-xxx	FRONT BRAKES & DRUMS
013-002-xxx	REAR BRAKES & DRUMS
013-003-xxx	PARKING BRAKES
013-004-xxx	SPRING PARKING BRAKE (SEPARATE OR COMBINATION W/SERVICE BRAKE)
013-005-xxx	PEDAL ASSEMBLY - SERVICE BRAKE
013-006-xxx	BRAKE MASTER CYLINDER
013-007-xxx	BRAKE LINES & FITTINGS - HYDRAULIC & AIR
013-009-xxx	AIR COMPRESSOR
013-010-xxx	AIR TYPE POWER BRAKES
013-011-xxx	ABS, ANTI-LOCK SYSTEM
013-013-xxx	AIR DISC BRAKES
013-015-xxx	AIR BRAKE MONITORING SYSTEM
013-016-xxx	HYDRAULIC MOTOR BRAKE SYSTEM

014 - FRAME COMPONENTS	
014-001-xxx	FRAME ASSEMBLY COMPONENTS
014-002-xxx	BUMPERS & ATTACHING PARTS
014-003-xxx	ENGINE MOUNTINGS
014-004-xxx	CAB & BODY MOUNTINGS
014-005-xxx	BATTERY SUPPORT
014-006-xxx	FUEL TANK SUPPORT
014-007-xxx	LICENSE CARRIER (Plate Holder)
014-008-xxx	ATTACHING DEVICES - HOSES, LINES, TUBES & WIRE
014-014-xxx	MUD FLAPS - REAR WHEEL
	015 - STEERING
015-001-xxx	STEERING WHEEL
015-002-xxx	STEERING SHAFT SUPPORT
015-003-xxx	STEERING GEAR
015-004-xxx	STEERING LINKAGE
015-005-xxx	POWER STEERING PUMP
	016 - SUSPENSION
016-002-xxx	FRONT SPRINGS
016-003-xxx	FRONT SHOCK ABSORBERS
016-004-xxx	FRONT STABILIZER
016-005-xxx	SUSPENSION - REAR (NON-AIR)
016-006-xxx	SHOCK ABSORBER - REAR
016-007-xxx	STABILIZER - REAR
016-008-xxx	AIR RIDE SUSPENSION
016-009-xxx	AIR LEAF SUSPENSION
016-012-xxx	HENDRICKSON SUSPENSION
016-019-xxx	LOCKING DEVICE - RIDE HEIGHT
	017 - TIRES, TUBES, LINERS & VALVES
017-001-xxx	TIRE - PNEUMATIC
017-004-xxx	INNER TUBE - PNEUMATIC TIRE
017-006-xxx	LINER (FLAP) - PNEUMATIC TIRE
017-008-xxx	VALVE ASSEMBLY - TIRE
	018 - WHEELS, RIMS, HUBS & BEARINGS
018-001-xxx	FRONT STEER AXLE WHEEL END COMPONENTS
018-002-xxx	DRIVE AXLE WHEEL END COMPONENTS
018-003-xxx	WHEELS
018-005-xxx	BEARINGS - GENERAL
	022 - AXLES - DRIVEN, REAR
022-001-xxx	AXLE HOUSING COMPONENTS - DRIVEN, REAR
022-002-xxx	SHAFT - REAR AXLE
022-003-xxx	DIFFERENTIAL CARRIER
024 - DRIVE SHAFTS	
024-002-xxx	DRIVE SHAFT, BEHIND MAIN TRANSMISSION

027 - TRANSMISSION - AUTOMATIC	
027-001-xxx	CASE - AUTOMATIC TRANSMISSION
027-002-xxx	CONVERTER
027-006-xxx	FORWARD CLUTCH ASSEMBLY
027-008-xxx	INTERMEDIATE CLUTCH & CENTER SUPPORT
027-013-xxx	PLANET CARRIER &/OR OUTPUT SHAFT ASSEMBLY
027-017-xxx	SUN GEAR & SHAFT ASSEMBLY
027-019-xxx	MAIN SHAFT ASSEMBLY & REAR INTERNAL GEAR
027-024-xxx	VALVE BODY ASSEMBLY - MAIN CONTROL
027-025-xxx	SOLENOID ASSEMBLY - DETENT, AUTOMATIC TRANSMISSION
027-026-xxx	MODULATOR ASSEMBLY
027-027-xxx	VALVE BODY ASSEMBLY - STATOR CONTROL
027-028-xxx	SOLENOID ASSEMBLY - VARIABLE PITCH STATOR CONTROL
027-029-xxx	OIL PUMP ASSEMBLY - AUTOMATIC TRANSMISSION
027-031-xxx	REAR BEARING RETAINER OR CASE EXTENSION ASSEMBLY
027-033-xxx	RANGE SELECTOR OR MANUAL LINKAGE
027-034-xxx	GOVERNOR ASSEMBLY - AUTOMATIC TRANSMISSION
027-035-xxx	OUTPUT DRIVE TRANSFER GEARING
027-036-xxx	OIL PAN & SCREEN ASSEMBLY
027-037-xxx	TRANSMISSION ASSEMBLY - AUTOMATIC
027-038-xxx	ELECTRONIC CONTROLS, TRANSMISSION, AUTOMATIC
027-039-xxx	COOLER - MANIFOLD
	031 - CHARGING SYSTEM
031-001-xxx	GENERATOR/ALTERNATOR
031-002-xxx	REGULATOR
	032 - CRANKING SYSTEM
032-001-xxx	BATTERY & CABLES
032-002-xxx	STARTER
032-003-xxx	PRE-HEATER
	033 - IGNITION SYSTEM
033-001-xxx	IGNITION SWITCH
033-003-xxx	COIL & SPARK PLUGS
	034 - LIGHTING SYSTEM
034-001-xxx	HEADLAMPS
034-002-xxx	LAMPS - TAIL, STOP, TURN & LICENSE, REAR
034-003-xxx	SIGNAL, PARKING, & BACKUP LAMPS
034-004-xxx	BULBS, FUSES & WIRING - CLEARANCE / MARKER / INTERIOR LAMPS
034-005-xxx	ELECTRICAL GROUNDS
034-006-xxx	WARNING & EMERGENCY LIGHTING/DEVICES - SPECIAL APPLICATIONS
034-007-xxx	SIGNALING DEVICES
	037 - MODULES/RELAYS - ELECTRICAL
037-001-xxx	MODULES - ELECTRICAL, MULTIPLE USE

041 - AIR INTAKE SYSTEM	
041-001-xxx	AIR CLEANER
041-002-xxx	INTAKE MANIFOLD
041-004-xxx	INTERCOOLER
041-005-xxx	ETHER INJECTOR ASSEMBLY
	042 - COOLING SYSTEM
042-001-xxx	SHUTTERS
042-002-xxx	RADIATOR
042-003-xxx	FAN - ENGINE COOLING
042-004-xxx	WATER PUMP
042-006-xxx	THERMOSTAT - ENGINE COOLING SYSTEM
042-007-xxx	COOLANT FILTER
042-009-xxx	COOLANT PRE-HEATER (IN BLOCK) - EXTERNAL ELECTRIC POWER SUPPLY
	043 - EXHAUST SYSTEM
043-001-xxx	EMISSION CONTROLS
043-002-xxx	EXHAUST MANIFOLD
043-003-xxx	MUFFLER ASSEMBLY
043-004-xxx	TURBOCHARGER ASSEMBLY
043-006-xxx	EXHAUST AFTER-TREATMENT DEVICES
043-007-xxx	SELECTIVE CATALYTIC REDUCTION SYSTEM (SCR)
	044 - FUEL SYSTEM
044-001-xxx	TANK - FUEL, LIQUID
044-002-xxx	FILTERS
044-003-xxx	FUEL PUMP
044-004-xxx	INJECTORS - MECHANICAL
044-005-xxx	CARBURETOR
044-006-xxx	GOVERNOR - GASOLINE ENGINES
044-007-xxx	THROTTLE CONTROLS
044-008-xxx	ENGINE SHUTDOWN
044-011-xxx	SPEED CONTROL SYSTEM
044-012-xxx	TANK - FUEL, GASEOUS
044-013-xxx	ELECTRONIC ENGINE CONTROL
044-014-xxx	INJECTORS - ELECTRONIC

	045 - POWER PLANT	
045-001-xxx	FRONT COVERS	
045-002-xxx	CYLINDER BLOCK & CRANKCASE	
045-003-xxx	CRANKSHAFT	
045-004-xxx	FLYWHEEL	
045-005-xxx	CRANKSHAFT - HARMONIC BALANCER	
045-006-xxx	CONNECTING ROD, PISTON & RINGS ASSEMBLY	
045-007-xxx	CYLINDER HEAD	
045-008-xxx	CAMSHAFT - ACCESSORY DRIVE & VALVE MECHANISM	
045-009-xxx	OIL PUMP & DISTRIBUTION SYSTEM	
045-010-xxx	OIL FILLER & LEVEL INDICATOR	
045-011-xxx	FILTER ASSEMBLY - OIL	
045-012-xxx	REGULATOR - OIL TEMPERATURE	
045-013-xxx	OIL PAN	
045-014-xxx	VENTILATING SYSTEM	
045-019-xxx	OVERHAUL KIT - ENGINE	
045-020-xxx	ENGINE ASSEMBLY	
045-021-xxx	ELECTRONIC ENGINE CONTROLS	
	051 - GENERAL ACCESSORIES	
051-001-xxx	TACHOMETER	
051-002-xxx	HUBODOMETER	
051-003-xxx	HOURMETER	
051-006-xxx	ACCESSORY SAFETY DEVICES	
051-007-xxx	FIRE DETECTION AND WARNING	
051-008-xxx	NAVIGATION SYSTEM - GPS	
	052 - ELECTRICAL ACCESSORIES	
052-003-xxx	RADIO EQUIPMENT	
052-010-xxx	FAN - AUXILIARY	
052-011-xxx	AUXILIARY POWER	
	053 - EXPENDABLE ITEMS	
053-001-xxx	TIRE CHAINS	
053-004-xxx	SAFETY EQUIPMENT	
053-005-xxx	MARKINGS - VEHICLE	
053-998-xxx	PAINT & PRESERVATIVES - VEHICLE	
053-999-xxx	VEHICLE FLUIDS, LUBRICANTS, GASES, & PARTICULATES	
054 - HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS		
054-001-xxx	HORN & MOUNTING	
054-002-xxx	ALARM	
055 - CARGO HANDLING, RESTRAINTS, & LIFT SYSTEMS		
055-023-xxx	WHEELCHAIR LIFT	

	174 - BUS BODY	
174-001-xxx	BUS BODY ASSEMBLY	
174-002-xxx	BUS ENTRY STEP COMPONENTS	
174-003-xxx	BUS UNDERBODY STORAGE COMPARTMENT COMPONENTS	
174-004-xxx	BUS UNDERBODY BATTERY COMPARTMENT COMPONENTS	
174-005-xxx	BUS STANDARD SIDE WINDOW COMPONENTS	
174-006-xxx	BUS PUSH-OUT SIDE WINDOW COMPONENTS	
174-007-xxx	BUS REAR WINDOW COMPONENTS	
174-008-xxx	BUS VISIBILITY WINDOW COMPONENTS	
174-009-xxx	BUS DRIVER SLIDING WINDOW COMPONENTS	
174-011-xxx	OUTWARD OPENING BUS ENTRY DOOR COMPONENTS	
174-012-xxx	BUS SIDE EMERGENCY DOOR COMPONENTS	
174-013-xxx	BUS REAR EMERGENCY DOOR COMPONENTS	
174-014-xxx	BUS WHEELCHAIR ACCESS DOOR COMPONENTS	
174-015-xxx	BUS ROOF EMERGENCY ESCAPE HATCH COMPONENTS	
174-017-xxx	SCHOOL BUS STOP ARM COMPONENTS	
174-018-xxx	BUS BARRIER COMPONENTS	
174-019-xxx	BUS DRIVER SUN VISOR COMPONENTS	
174-020-xxx	BUS DRIVER CONTROL CONSOLE COMPONENTS	
174-021-xxx	BUS INTERIOR LUGGAGE RACK COMPONENTS	
174-022-xxx	BUS SEAT COMPONENTS	
174-023-xxx	MISCELLANEOUS BUS BODY ACCESSORIES	
174-024-xxx	BUS BODY ELECTRICAL COMPONENTS	
174-025-xxx	SCHOOL BUS CROSSING GATE COMPONENTS	
174-026-xxx	BUS PASSENGER HEATER COMPONENTS	
174-027-xxx	BUS ENTRANCE STEP HEATER COMPONENTS	
174-028-xxx	BUS BODY A/C SYSTEM COMPONENTS	
174-029-xxx	BUS DAVENPORT COMPONENTS	
174-030-xxx	BUS UNDER PASSENGER SEAT STORAGE BOX COMPONENTS	
174-031-xxx	BUS UNDER DRIVER SEAT STORAGE BOX COMPONENTS	
174-032-xxx	BUS BODY WHEELCHAIR LIFT COMPONENTS	
174-034-xxx	SEAT BELT ASSEMBLY	
174-035-xxx	BULKHEAD ASSEMBLY - BUS BODY	
174-037-xxx	MARKINGS - BUS BODY	
174-038-xxx	BUS BODY SIGNALING DEVICES	