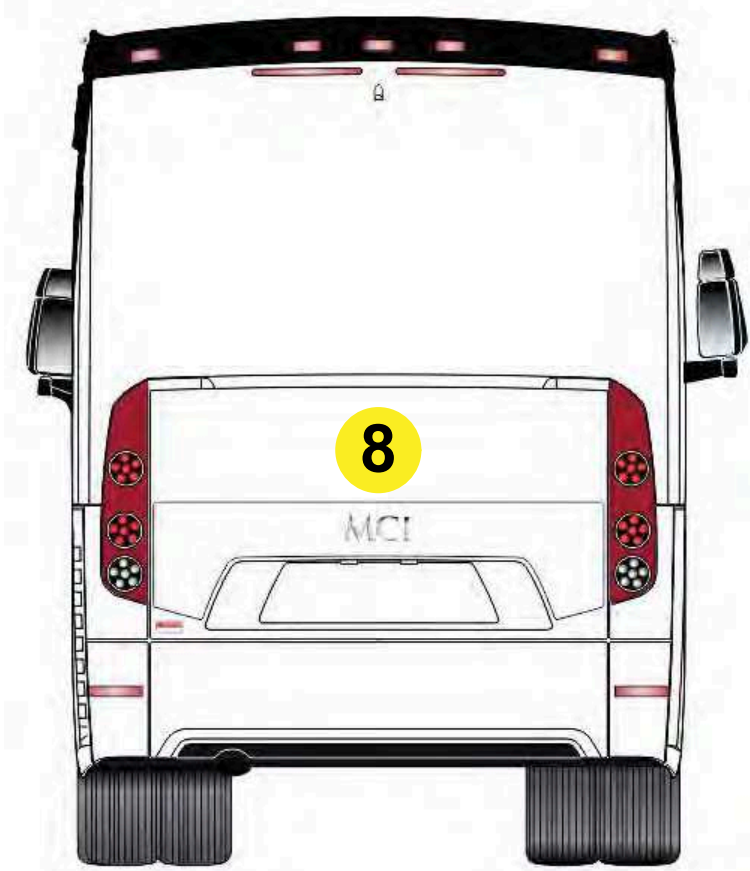
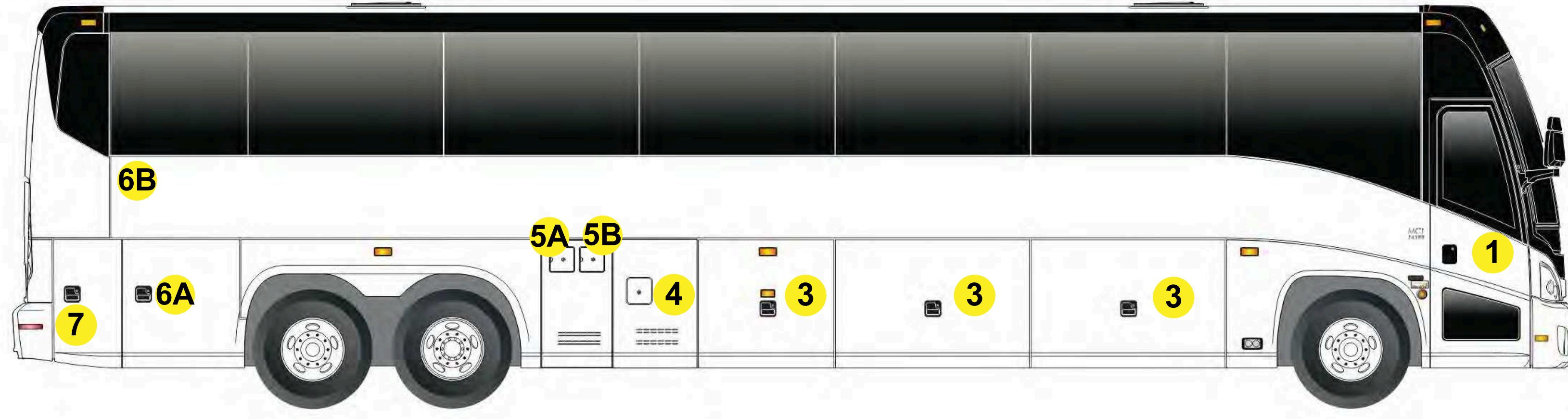
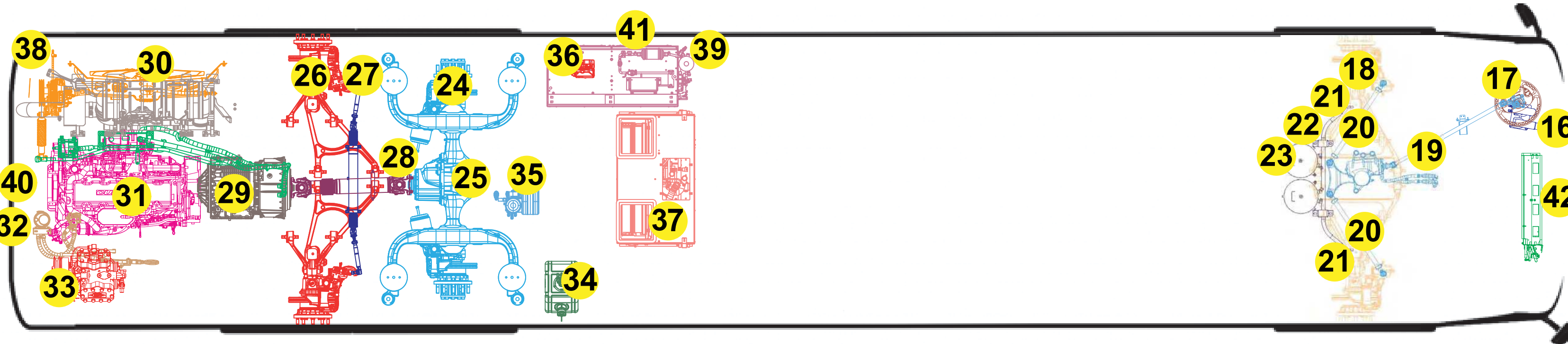
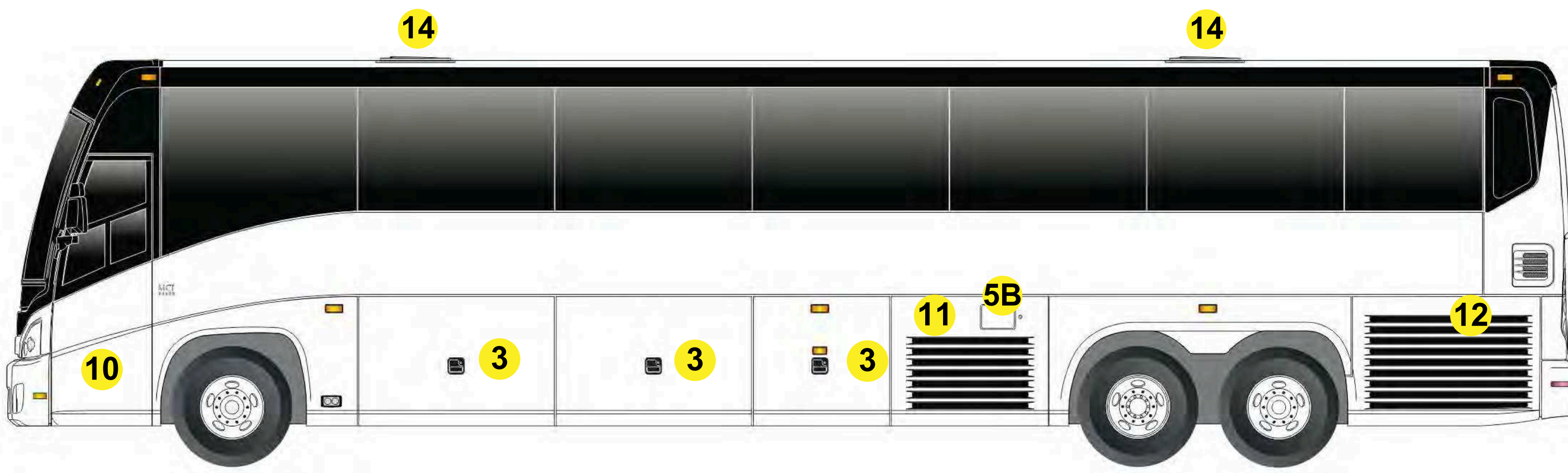


VEHICLE UNIT INDEX

Model Year 2022



Item	Description	Item	Description
1	ENTRANCE DOOR	21	SWAY BAR LINKS
2	NOT USED	22	SWAY BAR BUSHINGS
3	BAGGAGE DOOR	23	WET TANK
4	BATTERY DOOR	24	DRIVE AXLE
5A	DIESEL EXHAUST FLUID DOOR	25	DIFFERENTIAL CARRIER
5B	DIESEL FUEL DOOR	26	TAG AXLE
6A	LOWER WHEELCHAIR DOOR	27	TIE RODS, TAG AXLE SELF-STEERING
6B	UPPER WHEELCHAIR DOOR	28	DRIVESHAFT
7	REAR SERVICE DOOR	29	TRANSMISSION
8	ENGINE BAY DOOR	30	E-FANS ASSEMBLY
9	NOT USED	31	DIESEL ENGINE
10	FRONT J-BOX DOOR	32	POWER STEERING RESERVOIR
11	CONDENSER DOOR	33	A/C COMPRESSOR ASSEMBLY
12	RADIATOR DOOR	34	DIESEL EXHAUST FLUID TANK
13	SPARE TIRE COMPARTMENT DOOR	35	AIR DRYER
14	ROOF HATCH	36	DIESEL EXHAUST FLUID PUMP
15	MIRROR	37	EVAPORATOR ASSEMBLY
16	DRIVERS FOOT CONTROLS	38	SURGE TANK
17	STEERING COLUMN	39	A/C SIGHT GLASS
18	FRONT AXLE	40	ENGINE BAY
19	STEERING LINKAGE	41	CONDENSER ASSEMBLY
20	TIE RODS	42	DRIVERS EVAPORATOR
20A	NOT USED		



LUBE AND FILTER		
The KEY Column is a location guide and CODE Column is a specifications guide		
SERVICE INTERVAL - A		
Every 12,000 Miles (19,000 KM)		
KEY		CODE
3	LUBRICATE BAGGAGE DOOR LATCHES	S-15
33	LUBRICATE A/C COMPRESSOR BASE PIVOT ASSEMBLY	S-8
1	LUBRICATE ENTRANCE DOOR UPPER AND LOWER AIR CYLINDER PLUNGERS	S-6
5B	LUBRICATE FUEL DOORS LATCH AND HINGES	S-6
5A	LUBRICATE DEF DOOR LATCH AND HINGE	S-6
12	LUBRICATE RADIATOR DOOR LATCH AND HINGE	S-15
10	LUBRICATE FRONT J-BOX DOOR LATCH AND HINGE	S-6
7	LUBRICATE ENGINE SIDE SERVICE DOOR	S-15
8	LUBRICATE ENGINE DOOR LATCH AND HINGES	S-6
6A	LUBRICATE WHEELCHAIR COMPARTMENT DOOR LATCH AND HINGES	S-15
6B	LUBRICATE WHEELCHAIR UPPER DOOR LATCH AND HINGES (IF EQUIPPED)	S-15
1	LUBRICATE ENTRANCE DOOR HINGES	S-6
1	LUBRICATE ENTRANCE DOOR CYLINDER ROD ENDS	S-10
13	LUBRICATE FRONT BUMPER LATCHES AND HINGES	S-15
3	LUBRICATE SERVICE AND BAGGAGE DOOR HINGES	S-15
11	LUBRICATE CONDENSER DOOR HINGES	S-15
SERVICE INTERVAL - B		
Every 24,000 Miles (39,000 KM)		
KEY		CODE
28	LUBRICATE DRIVESHAFT U-JOINTS	S-12
6A & 6B	LUBRICATE AND SERVICE WHEELCHAIR LIFT	S-16
17	LUBRICATE STEERING LINKAGE JOINTS	S-15
16	LUBRICATE THE BRAKE PEDAL TREADLE ROLLER, ROLLER PIN, AND HINGE PIN	S-22
16	APPLY A THIN LAYER OF BARIUM GREASE BETWEEN THE PLUNGER AND MOUNTING PLATE ON THE BRAKE PEDAL - DO NOT OVER OIL	S-22
31	CHANGE ENGINE OIL AND OIL FILTER (X12 ENGINE ONLY)	S-1A
SERVICE INTERVAL - C		
Every 48,000 Miles (77,000 KM)		
KEY		CODE
18	LUBRICATE FRONT AXLE UPPER AND LOWER STEERING KNUCKLE BEARINGS	S-9
18	LUBRICATE FRONT AXLE UPPER AND LOWER CONTROL ARM BEARINGS	S-9
26	LUBRICATE TAG AXLE UPPER AND LOWER STEERING KNUCKLE BEARINGS	S-9
26	LUBRICATE TAG AXLE UPPER AND LOWER CONTROL ARM BEARINGS	S-9
22	LUBRICATE SWAY BAR BUSHINGS	S-15
21	LUBRICATE SWAY BAR LINKS	S-15
SERVICE INTERVAL - D		
Every 96,000 Miles (150,000 KM)		
KEY		CODE
25	CHANGE DIFFERENTIAL OIL (SYNTHETIC)	S-4
25	REPLACE THE DRIVE AXLE BREATHER	
25	REPLACE AIR DRYER DESICCANT CARTRIDGE (OR 12 MONTHS)	
SERVICE INTERVAL - E		
Every 150,000 Miles (240,000 KM)		
KEY		CODE
32	CHANGE POWER STEERING FILTER AND FLUID	S-2
29	CHANGE TRANSMISSION FLUID (OR 48 MONTHS)	S-5
SERVICE INTERVAL - F		
Every 300,000 Miles (480,000 KM)		
KEY		CODE
39	DRAIN, CLEAN, AND FILL COOLING SYSTEM - DD13	S-19
37	CHANGE AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT FILTER	
SERVICE INTERVAL - CUSTOM		
KEY		CODE
39	DRAIN, CLEAN, AND FILL COOLING SYSTEM - CUMMINS (250,000 MILES)	S-19
33	CHANGE A/C COMPRESSOR OIL (195,000 MILES, 3 YEARS OR 10,000 HOURS)	S-18
31	CHANGE ENGINE OIL AND OIL FILTER - DD13 (35,000 MILES)	S-1B
37	REPLACE DIESEL PARTICULATE FILTER - DD13 (500,000 MILES)	
36	REPLACE DEF PUMP MODULE FILTER ELEMENT - DD13 (500,000 MILES)	
41	CHANGE THE ENGINE AIR SHUTOFF VALVE, X12 (500,000 MILES)	
37	REPLACE DIESEL PARTICULATE FILTER, X12 ENGINE (300,000 TO 400,000 MILES)	
31	REPLACE PRESSURE FUEL FILTER (30,000 MILES)	
31	REPLACE SUCTION FUEL FILTER (WHEN FILTER ELEMENT IS COMPLETELY COVERED BY FUEL)	
30	SWINGOUT RAD, APPLY GREASE BETWEEN THE INNER AND OUTER PIVOT BUSHING (ONLY WHEN REINSTALLING THE UNIT)	S-11
18, 24, 26	CLEAN, INSPECT, AND RE-GREASE WHEEL BEARING (500,000 MILES)	S-9
33	CHANGE A/C COMPRESSOR OIL (200,000 MILES OR 3 YEARS/10,000 HOURS)	S-18
41	REPLACE SPHEROS HEATER FUEL FILTER, FILTER CARTRIDGE, AND FILTER SCREEN (36,000 MILES OR 12 MONTHS)	
29	CHANGE SUMP / INTERNAL FILTER AT TRANSMISSION OVERHAUL (20,000 HOURS OR 500,000 MILES)	
29	CHANGE TRANSMISSION MAIN FILTER (75,000 MILES OR 36 MONTHS)	
29	CHANGE TRANSMISSION LUBE FILTER (75,000 MILES OR 36 MONTHS)	

NOTE: PLEASE REFER TO THE OEM MANUALS FOR INTERVALS IF YOU ARE USING PROGNOSTICS FEATURE ON THE TRANSMISSION.

SPECIFICATIONS					
CODE	DESCRIPTION	CLASSIFICATION	GRADE	MARKETER	TRADE NAME
S-1A	Heavy Duty Engine Oil	CK-4 10W-30	10W-30	Mobil	Delvac 1300 Super
S-1B	Heavy Duty Engine Oil	FA-4 10W-30	10W-30	Mobil	Delvac Super FE
S-2	Power Steering Fluid	Heavy Duty Multi Purpose	TES-389	Castrol	ATF
S-3	Diesel Exhaust Fluid	ISO 22241-1	Urea Solution	Peak	Blue DEF
S-4	Differential Gear Oil	Synthetic	80W-90	Chevron	
S-5	Automatic Transmission Fluid	Synthetic	TES-295	Mobil	ATF
S-6	Multi-Purpose Grease	Lithium Polymer Grease	EP 2	Lubriplate	No. 1242
S-8	AC Compressor Pivot	Li-Complex + Polymer	EP 1	Mobil	Unirex
S-9	ZF Axle Grease	Calcium Sulfonate Grease	TEK-678	ViscoTech	
S-10	Multi-Purpose Grease	NLGI Paraffinic-Base/Poly-Urea	EP 1	Mobile	
S-11	Barimal Grease	NLGI 2 Lithium Complex	EP 2	Mobil	
S-12	Drive Shaft	Longlife Multipurpose Grease	EP 2	Fuchs	Renolit LX-N
S-13	Anti-Seize and Lubricating Compound	Never-Seez	Regular	Bostik	
S-14	Adhesive Lubricant	Hang-On	Aerosol	Walter	
S-15	Heavy-Duty Lubricant	Lithium 12-Hydroxy Stearate 8%	EP 2	Lubriplate	No. 1200-2
S-16	Lubricant and Penetrant	ZEP 45 Dual Force	Aerosol	ZEP	
S-18	A/C Compressor Oil (R-134A)	Polyol Ester-Based (POE)	300/68	Bitzer	RL68H
S-19	Coolant	Power Cool Plus Extended Life	Prediluted 50/50	Detroit Diesel	
S-20	Dielectric	Corrosion Compound	EP 2	Niagara	Truck-lite NYK-77
S-21	Terminal Protector	Gasket Sealant	Aerosol	Loctite	
S-22	Barium Grease	BW-204-M		Bendix	
S-33	Corrosion Inhibitor	C-16173 Grade 4	Aerosol	CRC Industries	SP-400

CAPACITY SCHEDULE	
ENGINE	
X12	SERVICE REFILLS
	9.0 gallons U.S. (34 L)
	NOTE: CAPACITIES ARE APPROXIMATE ONLY. PLEASE CHECK DIPSTICK LEVELS WITH THE PROPER FLUID LEVEL CHECK PROCEDURE.
DD13	SERVICE REFILLS
	10.8 gallons U.S. (41 L)
	NOTE: CAPACITIES ARE APPROXIMATE ONLY. PLEASE CHECK DIPSTICK LEVELS WITH THE PROPER FLUID LEVEL CHECK PROCEDURE.
TRANSMISSION	
B500	SERVICE REFILLS
	8 gallons U.S. (30 L)
	NOTE: CAPACITIES ARE APPROXIMATE ONLY. PLEASE CHECK SHIFT PAD OR DIPSTICK FOR PROPER FLUID LEVELS.
DRIVE AXLE	
ZF	SERVICE REFILLS
	4.9 gallons U.S. (18.5 L)
	NOTE: CAPACITIES ARE APPROXIMATE ONLY.
COOLANT	
	SERVICE REFILLS
	25 GALLONS U.S. (95 L)
	NOTE: CAPACITIES ARE APPROXIMATE ONLY.
POWER STEERING FLUID	
	SERVICE REFILLS
	2.0 GALLONS U.S. (7.6 L)
	NOTE: CAPACITIES ARE APPROXIMATE ONLY.



J4500

SERVICE CHART EFFECTIVE WITH UNIT 69529

MODIFY MILEAGE	PREVENTIVE MAINTENANCE	CHECK
	DAILY INSPECTION	
	CHECK ENGINE OIL LEVEL	
	CHECK POWER STEERING RESERVOIR	
	CHECK TRANSMISSION FLUID	
	CHECK COOLANT LEVEL IN SURGE TANK	
	DIESEL EXHAUST FLUID LEVEL (DEF)	
	CHECK AIR FILTER INDICATOR	
	CHECK COMPRESSOR OIL LEVEL	
	CHECK REFRIGERANT LEVEL	
	CHECK RIDE HEIGHT ON FRONT AND REAR AXLES	
	CLEAN EXTERIOR REAR VIEW MIRRORS	
	INSPECT ALL DRIVE BELTS	
	INSPECT AND DRAIN FUEL PRO 382 FILTER (IF WATER EXISTS)	
	DRAIN DD13 WATER SEPARATOR ON THE TWO FILTER SYSTEM	
	CHECK WINDSHIELD WASHER FLUID	
	CLEAN ANY ACCUMULATED DIRT, GRAVEL, OR FOREIGN MATERIAL AWAY FROM THE HEEL OF THE TREADLE, PLUNGER BOOT, AND MOUNTING PLATE ON THE BRAKE PEDAL	
	INSPECT WINGMAN FUSION RADAR AND CAMERA FREE OF OBSTRUCTIONS AND CLEAN	
	SERVICE INTERVAL - A EVERY 6,000 MILES (9,500 KM)	
	CHECK AND CLEAN DRIVE AXLE BREATHER	
	TEST CONTROL SWITCHES ON EXTERIOR REAR VIEW MIRRORS AND HEATER (IF EQUIPPED)	
	CHECK OPERATION OF WINDSHIELD WASHERS	
	INSPECT ALL PASSENGER SEATS FOOTREST, ARM REST, AND HEADREST	
	INSPECT ALL WINDOW GLASS AND REPLACE IF NEEDED	
	INSPECT OPERATION ON ALL PASSENGER SEATS	
	INSPECT DRIVER'S SEAT BELT OPERATION	
	INSPECT DRIVER'S SEAT OPERATION	
	INSPECT ENTRANCE DOOR OPERATION	
	INSPECT FIRE EXTINGUISHER GAUGE AND SERVICE DATE	
	INSPECT FLOOR COVERINGS FOR TRIPS AND SLIPS HAZARD	
	INSPECT SAFETY EQUIPMENT (SAFETY TRIANGLE, TIRE TOOLS, JACK, EXTRA BELTS)	
	INSPECT OPERATION OF WHEELCHAIR ACCESS DOOR FRAMELESS WINDOW	
	INSPECT WHEELCHAIR PASSENGER DOOR OPERATION	
	INSPECT THE CONDITION AND OPERATION WINDSHIELD WIPERS	
	PERFORM EMERGENCY WINDOW PUSH-OUT TEST	
	TEST EMERGENCY ESCAPE HATCHES	
	INSPECT THE OPERATION OF THE BRAKE LIGHT SWITCHES AND THE LOW AIR PRESSURE SWITCH	
	PERFORM AIR SYSTEM OPERATION AND LEAKAGE TEST	
	PERFORM GOVERNOR OPERATING TEST AND LEAKAGE TEST	
	PERFORM AIR SYSTEM LEAK TEST	
	PERFORM GOVERNOR OPERATING TEST AND LEAKAGE TEST	
	PERFORM OPERATION AND LEAKAGE TEST ON THE ABS SYSTEM COMPONENTS	
	PERFORM OPERATIONAL AND LEAKAGE TEST ON THE RELAY VALVE, DOUBLE CHECK VALVE, AND THE PRESSURE PROTECTION VALVE	
	PERFORM OPERATIONS AND LEAKAGE TESTS ON THE MODULATOR VALVES	
	INSPECT AND REPAIR ALL FLUID LEAKS	
	INSPECT EFAN - BLADES ARE NOT MISSING, DO NOT HAVE CHIPS, ARE NOT CRACKED, ARE NOT TOUCHING THE FAN SHROUD, AND ARE NOT OBSTRUCTED FROM TURNING	
	CHECK BATTERY CONNECTIONS TIGHTNESS AND FREE OF CORROSION	
	INSPECT ALL VISIBLE HARNESS CONNECTORS AND JUNCTIONS	
	INSPECT STARTER AND ALTERNATOR TERMINALS FOR TIGHTNESS AND CORROSION	
	INSPECT AND REPAIR ALL EXTERIOR, INTERIOR, BAGGAGE BAY, AND SERVICE COMPARTMENT LIGHTS	
	INSPECT STARTER AND ALTERNATOR MOUNTING HARDWARE FOR TIGHTNESS	
	INSPECT STARTER AND ALTERNATOR CABLES	
	CLEAN ALTERNATORS (OR MONTHLY)	
	APPLY CORROSION INHIBITOR TO ALTERNATORS AFTER CLEANING (OR MONTHLY). REFER TO THE SPECIFICATIONS TABLE - CODE S-33, FOR THE RECOMMENDED CORROSION INHIBITOR	
	BATTERY LOAD TEST	
	INSPECT/CLEAN WHEELCHAIR POWER TERMINALS	
	CHECK ENGINE OIL LEVEL	
	INSPECT EXHAUST SYSTEM, INSULATION, AND ADJACENT COMPONENTS FOR SOOT AND HEAT RELATED DAMAGE	
	CHECK ENGINE AIR FILTER INDICATOR (REPLACE IF REQUIRED)	
	INSPECT SEALS AIR CLEANER ASSEMBLY (DO NOT REMOVE FILTER AND COMPONENTS)	
	CHECK FOR FUEL LEAKS IN ENGINE AND FUEL TANK COMPARTMENT	
	CHECK POWER STEERING RESERVOIR FOR LEAKS	
	INSPECT TIE ROD AND TIE ROD ENDS BOOTS AND END-PLAY	
	PERFORM A MAJOR INSPECTION ON ALL STEERING COMPONENTS FOR BROKEN GREASE BOOT AND END-PLAY	
	TURN WHEEL FROM RH TO LH AND BACK AND CHECK FOR FREE TRAVEL	
	PERFORM AIR SUSPENSION OPERATION AND LEAKAGE TEST	
	CHECK TRANSMISSION FLUID LEVEL (COLD CHECK)	
	CHECK MOUNTING BOLTS FOR PROPER TORQUE	
	INSPECT DRIVESHAFT ASSEMBLY AND BOOT	
	INSPECT YOKES FOR CRACKS, WEAR, OR DISTORTION (BEFORE LUBRICATION)	
	INSPECT TIRES AND TIRE PRESSURE	
	TEST EMERGENCY BUZZER AND LAVATORY OCCUPIED SIGN	
	CYCLE WHEELCHAIR LIFT	
	INSPECT WHEELCHAIR LIFT OPERATION	
	SERVICE INTERVAL - B EVERY 12,000 MILES (19,000 KM)	
	CHECK AND ADJUST TOE-IN IF REQUIRED	
	CLEAN FILTER BOWL ON ENTRANCE DOOR MODULE	
	INSPECT EXTERIOR AND UNDERBODY FOR CORROSION BEFORE AND AFTER EVERY WINTER SEASON	
	TEST ENTRANCE DOOR QUICK RELEASE VALVE	
	INSPECT OPERATION OF THE AIR DRYER PURGE VALVE	
	INSPECT THE DASH PRESSURE GAUGES FOR PROPER READING	
	INSPECT WHEEL SENSORS HARNESS FOR DAMAGE/DEFECTS	
	INSPECT CAC INLET, OUTLET, AIR SEALS, MOUNTS, AND FASTENERS	
	CHECK VOLTAGE SETTING AND RECORD	
	CHECK CHARGE GAUGE ON AMEREX AGENT CYLINDER	
	CLEAN BLUE DEF TANK CAP	
	TAKE OIL SAMPLE AND PERFORM OIL ANALYSIS	
	INSPECT SUSPENSION AIR SPRING ASSEMBLIES FOR WEAR	
	INSPECT SWAY BAR BUSHING FOR WEAR AND END-PLAY, REPLACE IF REQUIRED	
	PERFORM AN OPERATIONAL TEST ON HIGH RIDE, LOW RIDE, AND KNEELING	
	CHECK WHEEL SEALS FOR SIGNS OF LEAKAGE	
	CHECK COMPRESSOR OIL LEVEL	
	CHECK AUXILIARY HEATER OPERATION (BEFORE WINTER)	
	INSPECT ALL HOSE CLAMPS, FITTINGS FOR LEAKS AND HARNESSSES ON THE AUXILIARY HEATER	

MODIFY MILEAGE	PREVENTIVE MAINTENANCE	CHECK
	SERVICE INTERVAL - C EVERY 24,000 MILES (39,000 KM)	
	INSPECT AIR COMPRESSOR INTAKE HOSE	
	CHECK THE BRAKE PEDAL RUBBER PLUNGER BOOT FOR CRACKS, HOLES, OR DETERIORATION AND REPLACE IF NECESSARY. ALSO, CHECK MOUNTING PLATE AND TREADLE FOR INTEGRITY	
	INSPECT AIR RESERVOIR, VALVES, SWITCHES, AND LINES FOR LEAKS AND CORROSION	
	INSPECT ALL BRAKE CHAMBERS FOR CORROSION	
	INSPECT AND CLEAN AIR COMPRESSOR DISCHARGE LINES	
	INSPECT BRAKE LININGS FOR ABNORMAL WEAR	
	INSPECT ALL COOLANT CLAMPS AND RE-TORQUE IF NEEDED	
	EQUALIZER - CLEAN EXTERIOR/CHECK	
	TEST BATTERY ELECTROLYTE LEVEL	
	CHECK ENGINE OIL COOLER FOR LEAKS	
	INSPECT THE AIR SHUTOFF VALVE FOR CRACKS OR OTHER DAMAGE, INSPECT THE O-RING SEALING SURFACE ON THE FRONT OF THE AIR SHUTOFF VALVE FOR DAMAGE ON X12 ENGINE	
	INSPECT ACCELERATOR PEDAL ASSEMBLY FOR WEAR OR DAMAGE	
	CHECK TIRE TREAD DEPTH AND RECORD	
	CHECK REFRIGERANT LEVEL	
	CHECK FUNCTIONALITY OF THE DRIVER'S HVAC BLOWER MOTOR ASSEMBLY	
	INSPECT FUNCTIONALITY OF PARCEL RACK EVAPORATOR MODULE	
	CHECK AIR GAP AND FUNCTIONALITY ON COMPRESSOR CLUTCH	
	VERIFY TORQUE ON CLUTCH RETAINING BOLT	
	SERVICE INTERVAL - D EVERY 48,000 MILES (77,000 KM)	
	INSPECT FRONT AXLE UPPER AND LOWER CONTROL ARM BEARINGS	
	INSPECT FRONT AXLE UPPER AND LOWER STEERING KNUCKLE BEARINGS	
	CHECK DIFFERENTIAL OIL LEVEL	
	INSPECT TAG AXLE UPPER AND LOWER CONTROL ARM BEARINGS	
	INSPECT TAG AXLE UPPER AND LOWER STEERING KNUCKLE BEARINGS	
	INSPECT FUNCTIONALITY ON BAGGAGE AND SERVICE COMPARTMENT DOORS	
	INSPECT MANUAL PASSENGER ROLLER SHADES	
	INSPECT OPERATION PARCEL RACK DOORS	
	INSPECT EXTERIOR WALL AND ROOF SEAMS	
	INSPECT FLOW IN ALL EXTERNAL AIR SUPPLY AND RETURN LINES FOR KINKS, BENDS, OR RESTRICTIONS	
	INSPECT BOOST PUMP OPERATION (BEFORE WINTER SEASON)	
	CHECK AIR COMPRESSOR DISCHARGE LINES	
	CHECK ENGINE WIRING HARNESS/CONNECTORS FOR DAMAGE	
	INSPECT STEERING COLUMN	
	INSPECT AND LUBRICATE STEERING LINKAGE JOINTS	
	INSPECT AUXILIARY TANKS AND ALL CONTROL VALVES	
	INSPECT MDSS COMPONENTS AND WIRING	
	INSPECT RADIUS RODS, V-LINK, AND BUSHINGS FOR CRACKS AND END-PLAY	
	INSPECT SHOCK ABSORBERS FOR BROKEN STUDS AND BUSHING, REPLACE IF REQUIRED	
	CHECK FOR LOOSE FASTENERS AND MOUNTING COMPONENTS ON TRANSMISSION	
	INSPECT TRANSMISSION COOLER HOSES FOR LEAKS AND CHAFING	
	SERVICE INTERVAL - E EVERY 96,000 MILES (150,000 KM)	
	MEASURE FRONT AXLE KNUCKLE VERTICAL PLAY	
	MEASURE TAG AXLE KNUCKLE VERTICAL PLAY	
	PERFORM A THOROUGH INSPECTION OF THE AIR COMPRESSOR FOR OIL AND AIR LEAKS	
	INSPECT THE ENGINE MOUNTS FOR RUBBER DETERIORATION, AGE HARDENING, AND BROKEN OR LOST BOLTS. CHECK THE TORQUE ON THE ENGINE MOUNTING NUTS AND BOLTS	
	CHECK THE ENGINE VIBRATION DAMPER FOR EVIDENCE OF FLUID LOSS, DENTS, AND WOBBLE. INSPECT THE VIBRATION DAMPER THICKNESS FOR ANY DEFORMATION OR RAISING OF THE DAMPER COVER PLATE	
	INSPECT TURBOCHARGER FOR DAMAGE AND CRACKS	
	CHECK DRIVE AXLE HUB BEARING AXIAL PLAY	
	CHECK FRONT AND TAG AXLE COMPACT BEARING AXIAL PLAY	
	SERVICE INTERVAL - F EVERY 150,000 MILES (240,000 KM)	
	HAVE SEAT BELTS CLEANED; DURING CLEANING, INSPECT THE RETRACTOR, WEBBING, AND BUCKLE	
	CLEAN AFTERTREATMENT FUEL INJECTOR	
	CHECK THE CRANKCASE BREATHER ELEMENT	
	SERVICE INTERVAL - G EVERY 300,000 MILES (480,000 KM)	
	DRAIN, CLEAN, AND FILL THE COOLING SYSTEM - DD13 (OR 24 MONTHS)	
	ADJUST OVERHEAD SET, X12 (ENGINE VALVES) (OR 5000 HOURS)	
	MEASURE THE ENGINE BRAKE ASSEMBLY - X12	
	REPLACE THE IGNITION LEAD ON PROHEAT X45 PLUS (OR 60 MONTHS)	
	REPLACE THE FUEL PUMP ON SPHEROS HEATER	
	SERVICE INTERVAL - CUSTOM	
	INSPECT SEAT BELT BUCKLE, LATCH PLATE, RETRACTOR, WEBBING, AND GUIDE LOOPS FOR PROPER OPERATION (MONTHLY)	
	VISUALLY CHECK FOR PHYSICAL DAMAGE TO THE SERVICE BRAKE VALVE SUCH AS BROKEN AIR LINES AND BROKEN OR MISSING PARTS (6 MONTHS OR 1500 OPERATING HOURS)	
	ENSURE AIR DRYER PURGES WHEN COMPRESSOR UNLOADS (WEEKLY)	
	DRAIN, CLEAN, AND FILL THE COOLING SYSTEM (FLUSH)-CUMMINS (250,000 MILES OR 24 MONTHS)	
	RE-TORQUE ALL CHARGE AIR COOLER HOSE CLAMPS (6 MONTHS)	
	CLEAR DEBRIS FROM HEAT EXCHANGERS (RADIATOR) BY ACTIVATING THE FAN TEST/REVERSE SWITCH (WEEKLY)	
	INSPECT COOLING SYSTEM FOR LEAKS. SAMPLE COOLANT AND CHECK TO ENSURE COOLANT MEETS MINIMUM COOLANT REQUIREMENTS (EVERY ENGINE OIL CHANGE)	
	RINSE COOLING UNIT (RAD, CAC) WITH CLEAN LOW-PRESSURE DISTILLED WATER (MONTHLY)	
	CLEAN THE RAD, CAC, AND CONDENSER COIL WITH COIL CLEANER (4 MONTHS)	
	REPLACE AMEREX CONTROL BATTERY (OR IF BACKUP BATTERY TROUBLE IS INDICATED ON THE SYSTEM SERVICE LED) (EVERY 36 MONTHS)	
	STEAM CLEAN THE ENGINE, X12 (EVERY 125,000 MILES)	
	STEAM CLEAN ENGINE, DD13 (EVERY 60,000 MILES)	
	VALVE LASH ADJUSTMENT, DD13 (ADJUST AT 100,000 MILES, 500,000 AND THEN EVERY 500,000 THEREAFTER)	
	INSPECT AND CLEAN ALL INTERIOR VENTS AND HEAT DUCTS (12 MONTHS)	
	INSPECT AND CLEAN CONDENSER AND EVAPORATOR MOTOR ASSEMBLIES (YEARLY)	
	CLEAN EVAPORATOR COMPARTMENT DRAIN PAN AND HOSES (YEARLY)	
	RINSE THE CONDENSER COILS WITH LOW PRESSURE DISTILLED WATER (MONTHLY)	
	CLEAN THE CONDENSER COILS WITH COIL CLEANER (4 MONTHS)	
	CHECK FILTER DRYER FOR RESTRICTION (YEARLY)	
	PERFORM A FALL TUNE -UP ON PROHEAT X45 PLUS (YEARLY)	
	RUN AUXILIARY HEATER (RUN WEEKLY)	
	CLEAN THE AUXILIARY HEATER (36,000 MILES OR 12 MONTHS)	