

**LRGVDC**  
**Transit Services Department**



**MAINTENANCE PROGRAM**  
**Vehicle Maintenance Policy and Facility Maintenance**  
**Plan**



**Pending Board Approval**  
**February 27, 2019**

LRGVDC Board of Directors  
510 S. Pleasantview Drive  
Weslaco, Texas 78596  
(956)969-5761 | 1(800)574-8322

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## **GILLIG Preventive Maintenance List**

### **Engine {6,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {6,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {6,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element

### **Drive Axle {6,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {6,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft

- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft

## **Brakes {6,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

## **Rear Suspension {6,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

## **Front Suspension {6,000 Miles}**

- Re-torque Suspension Fasteners

## **Air System {6,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

## **Electrical {6,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

## **Jump Start Connections {6,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps

- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {6,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

### **Starter {6,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {6,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {6,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {6,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Battery Equalizer {6,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {6,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {6,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {6,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Exit Door I/O Panel {6,000 Miles}**

- Inspect circuit breakers

## **Front Console Panel {6,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Body & Chassis {6,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

## **Doors {6,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

## **Wheelchair Ramp {6,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {6,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness



## **GILLIG Preventive Maintenance List**

### **Engine {12,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {12,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {12,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element

### **Drive Axle {12,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {12,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts

- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Check for excessive hub end play

### **Brakes {12,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

### **Rear Suspension {12,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

### **Front Suspension {12,000 Miles}**

- Re-torque Suspension Fasteners

### **Air System {12,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

### **Electrical {12,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

### **Jump Start Connections {12,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion



- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {12,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals
- Check battery electrolyte level and connection torque
- Test conductance with Midtronic tester per manufacturer's procedures

### **Starter {12,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {12,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {12,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {12,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Chassis and Engine Harness/Cables {12,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.

### **Battery Equalizer {12,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {12,000 Miles}**

- Inspect for dirt, damage or corrosion

## **Front Main Fuse Box {12,000 Miles}**

- Inspect cables for damage or corrosion

## **Rear Main I/O Panel {12,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Exit Door I/O Panel {12,000 Miles}**

- Inspect circuit breakers

## **Front Console Panel {12,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Body & Chassis {12,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

## **Doors {12,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

## **Wheelchair Ramp {12,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {12,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks

- **Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture**
- **Visually inspect clutch armature for wear**
- **Inspect compressor drive belt & check tension**
- **Check compressor oil level & color**
- **Visually inspect unit for loose, damaged, or broken parts**
- **Clean or replace return air filter**
- **Inspect condenser & evap coils for cleanliness**



## **GILLIG Preventive Maintenance List**

### **Engine {18,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {18,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {18,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Replace Hydraulic Fluid

### **Drive Axle {18,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {18,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft

- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft

### **Brakes {18,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

### **Rear Suspension {18,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

### **Front Suspension {18,000 Miles}**

- Re-torque Suspension Fasteners

### **Air System {18,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

### **Electrical {18,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans.,ABS,Etc
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

### **Jump Start Connections {18,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion

- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {18,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

### **Starter {18,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {18,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {18,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {18,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Battery Equalizer {18,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {18,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {18,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {18,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Exit Door I/O Panel {18,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {18,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Body & Chassis {18,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

### **Doors {18,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms
- Check door motor and base plate fasteners

### **Wheelchair Ramp {18,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

### **Air Conditioning {18,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness
- Install service gauge and manifold set & check system pressures, temperatures, & suction line
- Check clutch air gap (X426, X430 only)



## **GILLIG Preventive Maintenance List**

### **Engine {24,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners
- Replace crankcase breather element
- Inspect vibration damper
- Clean air compressor discharge lines

### **Exhaust {24,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {24,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Check hydraulic pump mounting bolts

### **Drive Axle {24,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks
- Check axle mounting fastener torque
- Check axle flange nut torque

### **Steering Front Axle {24,000 Miles}**



- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Check for excessive hub end play
- Grease behind output shaft dirt-and-water seal
- Inspect steering shaft seal

### **Brakes {24,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation
- Perform brake valve preventive maintenance
- Clean, and inspect brake valve, treadle, plunger boot, and mounting plate
- Lubricate treadle roller, roller pin, and hinge pin
- Apply a thin layer of Barium grease between plunger and mounting plate, do not over oil

### **Rear Suspension {24,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height
- Check air springs for wear and damage
- Check shocks and bushings for leaks or wear
- Check for loose or damaged mounting parts
- Check kneeling system operation

### **Front Suspension {24,000 Miles}**

- Re-torque Suspension Fasteners
- Check air springs for wear and damage
- Check shocks and bushings for leaks and wear
- Check external bump stops for wear and damage
- Check for proper ride height
- Check for loose or damaged mounting parts
- Test height control valve operation
- Test kneeling system operation

### **Air System {24,000 Miles}**

- Check Air Compressor Mounting Fasteners

- Check Air Tank Mounting Fasteners
- Perform brake valve preventive maintenance

### **Air Dryer {24,000 Miles}**

- Test air dryer operation and check for leaks
- Check air dryer mounting fasteners

### **Electrical {24,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

### **Jump Start Connections {24,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {24,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals
- Check battery electrolyte level and connection torque
- Test conductance with Midtronic tester per manufacturer's procedures
- Check voltage regulator settings

### **Starter {24,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {24,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {24,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {24,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Chassis and Engine Harness/Cables {24,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.

### **Battery Equalizer {24,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {24,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {24,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {24,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Exit Door I/O Panel {24,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {24,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Body & Chassis {24,000 Miles}**

- Lubricate wiper arm pivot point posts

- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears
- Inspect fenders and splash aprons
- Check wiper arm adjustment

## **Doors {24,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

## **Wheelchair Ramp {24,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {24,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness
- Lubricate evaporator fan shaft bearings
- Check evap/heater blower & condenser fan motor speed, voltage, & amps
- Inspect evap/heater blower & condenser fan motor brushes, commutator, bearings



## **GILLIG Preventive Maintenance List**

### **Engine {30,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {30,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {30,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element

### **Drive Axle {30,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {30,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft

- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Grease wheel bearings

### **Brakes {30,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

### **Rear Suspension {30,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

### **Front Suspension {30,000 Miles}**

- Re-torque Suspension Fasteners

### **Air System {30,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

### **Electrical {30,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

### **Jump Start Connections {30,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks

- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {30,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

### **Starter {30,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {30,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {30,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {30,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Battery Equalizer {30,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {30,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {30,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {30,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Exit Door I/O Panel {30,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {30,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Body & Chassis {30,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears
- Inspect welds on frame, brackets, etc.

### **Doors {30,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

### **Wheelchair Ramp {30,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

### **Air Conditioning {30,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness





## **GILLIG Preventive Maintenance List**

### **Engine {36,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {36,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {36,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Replace Hydraulic Fluid

### **Drive Axle {36,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {36,000 Miles}**

- Grease tie rod arm ends

- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft

## **Brakes {36,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

## **Rear Suspension {36,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

## **Front Suspension {36,000 Miles}**

- Re-torque Suspension Fasteners

## **Air System {36,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

## **Electrical {36,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans.,ABS,Etc
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

## **Jump Start Connections {36,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

## **Batteries {36,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

## **Starter {36,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage
- Check torque on cables and re-torque as necessary
- Check starter engagement protection circuit

## **Alternator {36,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

## **Rear Main Fuse Panel {36,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

## **A/C Heater Unit {36,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

## **Chassis and Engine Harness/Cables {36,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.
- Clean ground connections
- Check torque on cables and re-torque as necessary

## **Battery Equalizer {36,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {36,000 Miles}**

- Inspect for dirt, damage or corrosion
- Check micro switch for function
- Check battery switch for function and for continuity in open and close

### **Front Main Fuse Box {36,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {36,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers
- Check torque on cables and re-torque as necessary

### **Front Main I/O Panel**

- Inspect power and ground cables, fuses, and circuit breakers
- Check torque on cables and re-torque as necessary

### **Exit Door I/O Panel {36,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {36,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Body & Chassis {36,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

### **Doors {36,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms
- Check door motor and base plate fasteners

### **Wheelchair Ramp {36,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON

- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {36,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Insect condenser & evap coils for cleanliness
- Install service gauge and manifold set & check system pressures, temperatures, & suction line
- Check clutch air gap (X426, X430 only)



## **GILLIG Preventive Maintenance List**

### **Engine {42,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners
- Replace crankcase breather element
- Inspect vibration damper
- Clean air compressor discharge lines

### **Exhaust {42,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {42,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Check hydraulic pump mounting bolts

### **Drive Axle {42,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks
- Check axle mounting fastener torque
- Check axle flange nut torque
- Clean differential breather

## **Steering Front Axle {42,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Check for excessive hub end play
- Grease behind output shaft dirt-and-water seal
- Inspect steering shaft seal

## **Brakes {42,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation
- Perform brake valve preventive maintenance
- Clean, and inspect brake valve, treadle, plunger boot, and mounting plate
- Lubricate treadle roller, roller pin, and hinge pin
- Apply a thin layer of Barium grease between plunger and mounting plate, do not over oil

## **Rear Suspension {42,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height
- Check air springs for wear and damage
- Check shocks and bushings for leaks or wear
- Check for loose or damaged mounting parts
- Check kneeling system operation

## **Front Suspension {42,000 Miles}**

- Re-torque Suspension Fasteners
- Check air springs for wear and damage
- Check shocks and bushings for leaks and wear
- Check external bump stops for wear and damage
- Check for proper ride height
- Check for loose or damaged mounting parts
- Test height control valve operation
- Test kneeling system operation

## **Air System {42,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners
- Perform brake valve preventive maintenance
- Inspect air compressor lines
- Check compressor discharge and inlet for carbon
- Check compressor operation
- Check all air lines and fittings for leaks
- 

## **Air Dryer {42,000 Miles}**

- Test air dryer operation and check for leaks
- Check air dryer mounting fasteners

## **Electrical {42,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

## **Jump Start Connections {42,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

## **Batteries {42,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals
- Check battery electrolyte level and connection torque
- Test conductance with Midtronic tester per manufacturer's procedures
- Check voltage regulator settings



### **Starter {42,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {42,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {42,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {42,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Chassis and Engine Harness/Cables {42,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.

### **Battery Equalizer {42,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {42,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {42,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {42,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Exit Door I/O Panel {42,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {42,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Body & Chassis {42,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears
- Inspect fenders and splash aprons
- Check wiper arm adjustment
- Check bumper mounting fastener torque

### **Doors {42,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

### **Wheelchair Ramp {42,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

### **Air Conditioning {42,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness

- **Lubricate evaporator fan shaft bearings**
- **Check evap/heater blower & condenser fan motor speed, voltage, & amps**
- **Inspect evap/heater blower & condenser fan motor brushes, commutator, bearings**



## **GILLIG Preventive Maintenance List**

### **Engine {48,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {48,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {48,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element

### **Drive Axle {48,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {48,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft

- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft

## **Brakes {48,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

## **Rear Suspension {48,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

## **Front Suspension {48,000 Miles}**

- Re-torque Suspension Fasteners

## **Air System {48,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

## **Electrical {48,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

## **Jump Start Connections {48,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps

- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {48,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

### **Starter {48,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {48,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {48,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {48,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Battery Equalizer {48,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {48,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {48,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {48,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Exit Door I/O Panel {48,000 Miles}**

- Inspect circuit breakers

## **Front Console Panel {48,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Body & Chassis {48,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

## **Doors {48,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

## **Wheelchair Ramp {48,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {48,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness



## **GILLIG Preventive Maintenance List**

### **Engine {54,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {54,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {54,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element

### **Drive Axle {54,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {54,000 Miles}**



- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Check for excessive hub end play

### **Brakes {54,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

### **Rear Suspension {54,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

### **Front Suspension {54,000 Miles}**

- Re-torque Suspension Fasteners

### **Air System {54,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

### **Electrical {54,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

## **Jump Start Connections {54,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

## **Batteries {54,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals
- Check battery electrolyte level and connection torque
- Test conductance with Midtronic tester per manufacturer's procedures

## **Starter {54,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

## **Alternator {54,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

## **Rear Main Fuse Panel {54,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

## **A/C Heater Unit {54,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

## **Chassis and Engine Harness/Cables {54,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.

## **Battery Equalizer {54,000 Miles}**

- Inspect for dirt, damage or corrosion

## **Battery Disconnect Switch {54,000 Miles}**

- Inspect for dirt, damage or corrosion

## **Front Main Fuse Box {54,000 Miles}**

- Inspect cables for damage or corrosion

## **Rear Main I/O Panel {54,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Exit Door I/O Panel {54,000 Miles}**

- Inspect circuit breakers

## **Front Console Panel {54,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Body & Chassis {54,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

## **Doors {54,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

## **Wheelchair Ramp {54,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {54,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness



## **GILLIG Preventive Maintenance List**

### **Engine {60,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Transmission {60,000 Miles}**

- Check transmission mounts

### **Exhaust {60,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {60,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Replace Hydraulic Fluid

### **Drive Axle {60,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

## **Steering Front Axle {60,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft

## **Brakes {60,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

## **Rear Suspension {60,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

## **Front Suspension {60,000 Miles}**

- Re-torque Suspension Fasteners

## **Air System {60,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

## **Electrical {60,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans.,ABS,Etc
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

## **Jump Start Connections {60,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

## **Batteries {60,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

## **Starter {60,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

## **Alternator {60,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

## **Rear Main Fuse Panel {60,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

## **A/C Heater Unit {60,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

## **Battery Equalizer {60,000 Miles}**

- Inspect for dirt, damage or corrosion

## **Battery Disconnect Switch {60,000 Miles}**

- Inspect for dirt, damage or corrosion

## **Front Main Fuse Box {60,000 Miles}**

- Inspect cables for damage or corrosion

## **Rear Main I/O Panel {60,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Exit Door I/O Panel {60,000 Miles}**

- Inspect circuit breakers

## **Front Console Panel {60,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Body & Chassis {60,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

## **Doors {60,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms
- Check door motor and base plate fasteners

## **Wheelchair Ramp {60,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {60,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension



- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Insect condenser & evap coils for cleanliness
- Install service gauge and manifold set & check system pressures, temperatures, & suction line
- Check clutch air gap (X426, X430 only)



## **GILLIG Preventive Maintenance List**

### **Engine {66,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners
- Replace crankcase breather element
- Inspect vibration damper
- Clean air compressor discharge lines

### **Exhaust {66,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {66,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Check hydraulic pump mounting bolts

### **Drive Axle {66,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter

- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks
- Check axle mounting fastener torque
- Check axle flange nut torque

### **Steering Front Axle {66,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Check for excessive hub end play
- Grease behind output shaft dirt-and-water seal
- Inspect steering shaft seal

### **Brakes {66,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation
- Perform brake valve preventive maintenance
- Clean, and inspect brake valve, treadle, plunger boot, and mounting plate
- Lubricate treadle roller, roller pin, and hinge pin
- Apply a thin layer of Barium grease between plunger and mounting plate, do not over oil

### **Rear Suspension {66,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height
- Check air springs for wear and damage
- Check shocks and bushings for leaks or wear
- Check for loose or damaged mounting parts
- Check kneeling system operation

### **Front Suspension {24,000 Miles}**

- Re-torque Suspension Fasteners
- Check air springs for wear and damage
- Check shocks and bushings for leaks and wear
- Check external bump stops for wear and damage
- Check for proper ride height
- Check for loose or damaged mounting parts
- Test height control valve operation

- Test kneeling system operation

## **Air System {66,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners
- Perform brake valve preventive maintenance

## **Air Dryer {66,000 Miles}**

- Test air dryer operation and check for leaks
- Check air dryer mounting fasteners

## **Electrical {66,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

## **Jump Start Connections {66,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

## **Batteries {66,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals
- Check battery electrolyte level and connection torque
- Test conductance with Midtronic tester per manufacturer's procedures
- Check voltage regulator settings

## **Starter {66,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {66,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {66,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {66,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Chassis and Engine Harness/Cables {66,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.

### **Battery Equalizer {66,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {66,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {66,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {66,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Exit Door I/O Panel {66,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {66,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Body & Chassis {66,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears
- Inspect fenders and splash aprons
- Check wiper arm adjustment

## **Doors {66,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

## **Wheelchair Ramp {66,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {66,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness
- Lubricate evaporator fan shaft bearings
- Check evap/heater blower & condenser fan motor speed, voltage, & amps
- Inspect evap/heater blower & condenser fan motor brushes, commutator, bearings



## **GILLIG Preventive Maintenance List**

### **Engine {72,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Transmission {72,000 Miles}**

- Change transmission filters & transmission oil

### **Exhaust {72,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {72,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element

### **Drive Axle {72,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

## **Steering Front Axle {72,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Grease wheel bearings

## **Brakes {72,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

## **Rear Suspension {72,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

## **Front Suspension {72,000 Miles}**

- Re-torque Suspension Fasteners

## **Air System {72,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

## **Electrical {72,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment

- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

### **Jump Start Connections {72,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {72,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

### **Starter {72,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {72,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {72,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {72,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Battery Equalizer {72,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {72,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {72,000 Miles}**



- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {72,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Exit Door I/O Panel {72,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {72,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Body & Chassis {72,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears
- Inspect welds on frame, brackets, etc.

### **Doors {72,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

### **Wheelchair Ramp {72,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

### **Air Conditioning {72,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture

- **Visually inspect clutch armature for wear**
- **Inspect compressor drive belt & check tension**
- **Check compressor oil level & color**
- **Visually inspect unit for loose, damaged, or broken parts**
- **Clean or replace return air filter**
- **Inspect condenser & evap coils for cleanliness**



## **GILLIG Preventive Maintenance List**

### **Engine {78,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners

### **Exhaust {78,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {78,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Replace Hydraulic Fluid

### **Drive Axle {78,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks

### **Steering Front Axle {78,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft

- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft

### **Brakes {78,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation

### **Rear Suspension {78,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height

### **Front Suspension {78,000 Miles}**

- Re-torque Suspension Fasteners

### **Air System {78,000 Miles}**

- Check Air Compressor Mounting Fasteners
- Check Air Tank Mounting Fasteners

### **Electrical {78,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans.,ABS,Etc
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

### **Jump Start Connections {78,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion

- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {78,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals

### **Starter {78,000 Miles}**

- Inspect cables for damage or corrosion
- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage
- Check torque on cables and re-torque as necessary
- Check starter engagement protection circuit

### **Alternator {78,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {78,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {78,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Chassis and Engine Harness/Cables {78,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.
- Clean ground connections
- Check torque on cables and re-torque as necessary

### **Battery Equalizer {78,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {78,000 Miles}**

- Inspect for dirt, damage or corrosion
- Check micro switch for function

- Check battery switch for function and for continuity in open and close

### **Front Main Fuse Box {78,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {78,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers
- Check torque on cables and re-torque as necessary

### **Front Main I/O Panel {78,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers
- Check torque on cables and re-torque as necessary

### **Exit Door I/O Panel {78,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {78,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Body & Chassis {78,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears

### **Doors {78,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms
- Check door motor and base plate fasteners

### **Wheelchair Ramp {78,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary

- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

### **Air Conditioning {78,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Insect condenser & evap coils for cleanliness
- Install service gauge and manifold set & check system pressures, temperatures, & suction line
- Check clutch air gap (X426, X430 only)



## **GILLIG Preventive Maintenance List**

### **Engine {84,000 Miles}**

- Engine oil & filter
- Radiator Hoses & Clamps – Check
- Surge Tanks & Pressure Relief Caps – Check
- Change Secondary Fuel Filter
- Drain Fuel Filter Water Separator
- Crankcase Breather Tube-Check
- Cooling Fans - Check
- Change Coolant Filter
- Mounting Hardware – Check
- Air Intake Piping – Check
- After Treatment Exhaust Piping – Check
- Air Cleaner Restriction Indicator – Check
- Check Air Tanks & Reservoirs
- Charge Air Piping – Check
- Check Drive Belts & Tensioners
- Replace crankcase breather element
- Inspect vibration damper
- Clean air compressor discharge lines

### **Exhaust {84,000 Miles}**

- Check For Exhaust Restrictions & Leaks
- Check For Loose Exhaust Fasteners & Straps
- Inspect Exhaust Bellows & Alignment

### **Hydraulic System {84,000 Miles}**

- Check hydraulic level
- Replace hydraulic fluid filter element
- Check hydraulic pump mounting bolts

### **Drive Axle {84,000 Miles}**

- Lubricate U-Joints And Slip Splines
- Replace Hydraulic Fluid Filter
- Check Differential Oil Level
- Inspect Differential Seals & Gaskets For Leaks
- Check axle mounting fastener torque
- Check axle flange nut torque
- Clean differential breather



## **Steering Front Axle {84,000 Miles}**

- Grease tie rod arm ends
- Grease kingpins
- Check Pitman Arm For Wear Or Damage
- Grease Drag Link & Steering Arm
- Lubricate Steering Column U-Joints & Shaft
- Check Tie Rod Ends For Wear & Loose Nuts
- Check Steering Arms For Wear Or Damage
- Check Drag Link Anti-tilt Bushing/Seal For Wear Or Damage
- Check Steering Gear Mounting Plate For Damage
- Lubricate Steering Intermediate Shaft
- Check for excessive hub end play
- Grease behind output shaft dirt-and-water seal
- Inspect steering shaft seal

## **Brakes {84,000 Miles}**

- Inspect Brake Air Hoses For Leaks Or Damage
- Check Steering Gear Mounting Bolt Torque
- Check Brake Chambers For Air Leaks
- Lubricate Slack Adjusters
- Check Slack Adjuster Operation
- Perform brake valve preventive maintenance
- Clean, and inspect brake valve, treadle, plunger boot, and mounting plate
- Lubricate treadle roller, roller pin, and hinge pin
- Apply a thin layer of Barium grease between plunger and mounting plate, do not over oil

## **Rear Suspension {84,000 Miles}**

- Re-torque Suspension Fasteners
- Check Suspension Ride Height
- Check air springs for wear and damage
- Check shocks and bushings for leaks or wear
- Check for loose or damaged mounting parts
- Check kneeling system operation

## **Front Suspension {84,000 Miles}**

- Re-torque Suspension Fasteners
- Check air springs for wear and damage
- Check shocks and bushings for leaks and wear
- Check external bump stops for wear and damage
- Check for proper ride height
- Check for loose or damaged mounting parts
- Test height control valve operation
- Test kneeling system operation

## **Air System {84,000 Miles}**

- Check Air Compressor Mounting Fasteners

- Check Air Tank Mounting Fasteners
- Perform brake valve preventive maintenance
- Inspect air compressor lines
- Check compressor discharge and inlet for carbon
- Check compressor operation
- Check all air lines and fittings for leaks

### **Air Dryer {84,000 Miles}**

- Test air dryer operation and check for leaks
- Check air dryer mounting fasteners

### **Electrical {84,000 Miles}**

- Check Entry Doors, Sensitive Edge and Interlock Systems
- Check Wheel Chair Ramp, External Flasher & Alarm
- Check Kneeling System
- Check Stop Request & PA System
- Check Dash Controls For Proper Operation
- Check Gauges
- Check For System Error Codes: Engine, Trans., ABS, Etc.
- Check Interior Lights
- Check Throttle & Brake Pedal For Dirt, Debris, Corrosion, & Function
- Check Power Cable Connections
- Check Engine Compartment Lights for Function & Lenses
- Test Linear Heat Detector Wires In Engine Compartment
- Check Emergency Exit Operation Of Doors
- Check and Lubricate Battery Tray Slides & Rollers

### **Jump Start Connections {84,000 Miles}**

- Verify Boot is in Place
- Inspect jump start cable for routing, chafing, & loose or broken clamps
- Inspect jump start housing for damage and cracks
- Inspect jump start terminal ends for corrosion
- Clean terminal ends and apply anti-corrosion protectant

### **Batteries {84,000 Miles}**

- Check cables, hold downs, and boots
- Check open circuit voltage with DMM & check system
- Clean batteries of dirt and acid
- Inspect for bulging case and damaged terminals
- Check battery electrolyte level and connection torque
- Test conductance with Midtronic tester per manufacturer's procedures
- Check voltage regulator settings

### **Starter {84,000 Miles}**

- Inspect cables for damage or corrosion

- Inspect bolts, cable support clamps, and brushes
- Inspect solenoid cap for cracks/damage

### **Alternator {84,000 Miles}**

- Inspect cables for damage and corrosion
- Inspect for oil leaks
- Inspect support brackets and torque bolts
- Check alternator for dirt build up and grime

### **Rear Main Fuse Panel {84,000 Miles}**

- Inspect cables for damage or corrosion
- Check torque on all connections
- Fuses should not be removed unless blown or improperly seated

### **A/C Heater Unit {84,000 Miles}**

- Inspect power and ground cables, and all electrical connections inside of return air
- Fuses should not be removed unless blown or improperly seated

### **Chassis and Engine Harness/Cables {84,000 Miles}**

- Inspect for dirt buildup in chassis and clean
- Check clamps, chafing
- Inspect for heat damage around hot areas, such as the turbo, muffler, etc.

### **Battery Equalizer {84,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Battery Disconnect Switch {84,000 Miles}**

- Inspect for dirt, damage or corrosion

### **Front Main Fuse Box {84,000 Miles}**

- Inspect cables for damage or corrosion

### **Rear Main I/O Panel {84,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

### **Exit Door I/O Panel {84,000 Miles}**

- Inspect circuit breakers

### **Front Console Panel {84,000 Miles}**

- Inspect power and ground cables, fuses, and circuit breakers

## **Body & Chassis {84,000 Miles}**

- Lubricate wiper arm pivot point posts
- Inspect body for fluid leaks
- Inspect underbody/engine for damage or corrosion
- Inspect stanchion supports and tees for loose or missing fasteners
- Check for loose or missing overhead grab strap fasteners
- Inspect overhead grab straps for rips, frays, and tears
- Inspect fenders and splash aprons
- Check wiper arm adjustment
- Check bumper mounting fastener torque

## **Doors {84,000 Miles}**

- Check door panel alignment
- Inspect door seals for leaks or damage
- Inspect door sensitive edge
- Test emergency door release mechanisms

## **Wheelchair Ramp {84,000 Miles}**

- Ramp control POWER and ON/OFF switch operate correctly
- POWER indicator lights when POWER ON/OFF switch is ON
- DEPLOY and STOW switch operates correctly
- Check for unusual noise or erratic movement
- Vestibule area clear of loose objects and debris
- Non-slip surface clean, free of slippery or sticky substances
- Check decals for illegibility or looseness: replace if necessary
- Check wiring insulation for abrasion or cuts: replace if necessary
- Check connectors for looseness: secure as necessary
- Check all threaded fasteners for looseness: retighten as necessary
- Check self-aligning assembly: components clean, free of debris

## **Air Conditioning {84,000 Miles}**

- Check refrigerant charge
- Visually inspect refrigerant hoses and tubing
- Visually inspect for refrigerant or oil leaks
- Check dry eyes in bottom receiver sight glass and/or liquid line sight glass for moisture
- Visually inspect clutch armature for wear
- Inspect compressor drive belt & check tension
- Check compressor oil level & color
- Visually inspect unit for loose, damaged, or broken parts
- Clean or replace return air filter
- Inspect condenser & evap coils for cleanliness Lubricate evaporator fan shaft bearings
- Check evap/heater blower & condenser fan motor speed, voltage, & amps
- Inspect evap/heater blower & condenser fan motor brushes, commutator, bearings



## **GILLIG Preventive Maintenance List**

### **Yearly**

- Remove bellows for complete inspection and realignment
- Rebuild air dryer using OEM kit
- Clean battery terminal ends and apply anti-corrosion protectant
- Check floor covering seam sealing

### **2 Years**

- Check air dryer condition of safety valve, and replace as needed
- Check air dryer continuity of heater with an ohmmeter, replace if continuity is present

### **3 Years**

- Reseal floor covering

### **6 Years**

- Replace air conditioning booster pump bearings