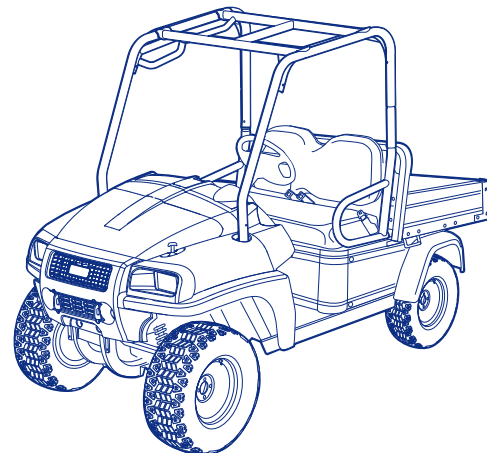


NEW HOLLAND
Rustler™
120
125

CLC103700628

Edition Code 1109B0110A

SERVICE MANUAL



FOREWORD

These vehicles are designed and built to provide the ultimate in performance efficiency; however, proper maintenance and repair are essential for achieving maximum service life and continued safe and reliable operation.

This manual provides detailed information for the maintenance and repair of New Holland Rustler™ 120 and 125 vehicles, and should be thoroughly reviewed prior to servicing the vehicles. The procedures provided must be properly implemented, and the DANGER, WARNING, and CAUTION statements must be heeded.

This manual was written for the trained technician who already possesses knowledge and skills in electrical and mechanical repair. If the technician does not have such knowledge and skills, attempted service or repairs to the vehicle may render the vehicle unsafe. For this reason, the manufacturer advises that all repairs and/or service be performed by an authorized dealer representative or by a factory-trained technician.

It is the policy of CNH America LLC to assist its distributors and dealers in continually updating their service knowledge and facilities so they can provide prompt and efficient service for vehicle owners. Regional technical representatives, vehicle service seminars, periodic service bulletins, maintenance and service manuals, and other service publications also represent continuing commitment to customer support.

A full line of training and continuing education classes for technicians who want to learn more about our products. For more information, contact your local dealer or CNH America LLC for a list of upcoming classes.

This manual covers all aspects of typical vehicle service; however, unique situations sometimes occur when servicing a vehicle. If it appears that a service question is not answered in this manual, please contact your nearest authorized dealer or distributor for assistance. You may also write to us at: CNH America LLC; 700 State Street; Racine, WI 53402 USA.

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This manual effective November 1, 2009.

WARNING

- **Read Section 1 – Safety before attempting any service on this vehicle.**
- **Before servicing vehicle, read complete section(s) and any referenced information that may be relevant to the service or repair to be performed.**

NOTE: *This manual represents the most current information at the time of publication. The manufacturer is continually working to further improve its vehicles and other products. These improvements may affect servicing procedures. Any modification and/or significant change in specifications or procedures will be forwarded to all dealers and will, when applicable, appear in future editions of this manual.*

Damage to a vehicle or component thereof not resulting from a defect or that occurs due to unreasonable or unintended use, overloading, abuse, or neglect (including failure to provide reasonable or necessary maintenance as instructed in the vehicle owner's manual), accident or alteration, including increasing vehicle speed beyond factory specifications or modifications that affect the stability of the vehicle or the operation thereof, will void the warranty.

The manufacturer reserves the right to change specifications and designs at any time without notice and without incurring any obligation or liability whatsoever.

There are no warranties expressed or implied in this manual. See the limited warranty found in the vehicle owner's manual or write to CNH America LLC; 700 State Street; Racine, WI 53402 USA, Attention: Warranty Department.

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CONTENTS

SECTION 1 – SAFETY

Safety Details	1-1
General Warning	1-2
Disabling The Vehicle	1-4
Disconnecting The Battery	1-4
Connecting The Battery	1-4

SECTION 2 – VEHICLE SPECIFICATIONS

SECTION 3 – GENERAL INFORMATION

General Information	3-1
Model Identification	3-2
Identification Numbers	3-2
Storage	3-4
Preparing the Vehicle for Extended Storage	3-4
Returning the Stored Vehicle to Service	3-5
Using A Booster Battery (Jump Starting)	3-6

SECTION 4 – BODY AND TRIM

Cleaning the Vehicle	4-1
Seat Cleaning	4-1
Front Body Repair	4-2
Light Scratches	4-2
Abrasions and Haze	4-2
Large Scratches and Abrasions	4-2

Front Body Components	4-3
Instrument Panel Removal	4-3
Instrument Panel Installation	4-3
Front Fascia Removal	4-4
Front Fascia Installation	4-4
Hood Removal	4-4
Hood Installation	4-4
Center Cowl Panel Removal	4-4
Center Cowl Panel Installation	4-5
Side Cowl Panel (Fender) Removal	4-5
Side Cowl Panel (Fender) Installation	4-5
Front Fender Flare Removal	4-6
Front Fender Flare Installation	4-6
Roll-Over Protective Structure (ROPS)	4-6
ROPS Removal	4-6
ROPS Installation	4-8
Seat	4-9
Seat Removal	4-9
Seat Adjustment	4-9
Seat Installation	4-9
Seat Support Removal	4-10
Seat Support Installation	4-10
Safety Belts	4-10
Safety Belt Removal	4-10
Safety Belt Installation	4-11
Cargo Bed – Electric Lift	4-11
Testing the Bed Lift Motor	4-11
Bed Lift Motor Removal	4-11
Bed Lift Motor Installation	4-12
Cargo Bed Removal	4-12
Cargo Bed Installation	4-12
Cargo Bed – Manual Lift	4-13
Cargo Bed Removal	4-13
Cargo Bed Installation	4-13
Rear Fender	4-15
Rear Fender Removal	4-15
Rear Fender Installation	4-15

SECTION 5 – ACCELERATOR AND BRAKE PEDAL ASSEMBLIES

Accelerator Pedal	5-1
Accelerator Pedal Removal	5-1
Accelerator Pedal Installation	5-2
Accelerator Pedal and RPM Adjustment	5-2
Brake Pedal	5-3
Brake Pedal Removal	5-3
Brake Pedal Installation	5-3
Brake Pedal Adjustment	5-3
Park Brake Pedal	5-4
Park Brake Pedal Assembly Removal	5-4
Park Brake Pedal Assembly Installation	5-4

SECTION 6 – HYDRAULIC AND PARK BRAKE SYSTEMS

Brake System Inspection	6-1
Brake System Troubleshooting	6-3
Brake Pads and Caliper	6-6
Front Brake Pad and Caliper Removal	6-6
Front Brake Pad and Caliper Installation	6-7
Rear Brake Pad and Caliper Removal	6-8
Rear Brake Pad and Caliper Installation	6-9
Brake Disc and Hub	6-11
Front Wheel Disc and Hub Removal	6-11
Front Wheel Disc and Hub Installation	6-15
Rear Wheel Disc Removal	6-16
Rear Wheel Disc Installation	6-17
Hydraulic Line Replacement	6-18
Front Brake Line Removal	6-18
Front Brake Line Installation	6-18
Rear Brake Line Removal	6-19
Rear Brake Line Installation	6-20
Master Cylinder and Reservoir	6-21
Filling the Hydraulic System	6-21
Master Cylinder Removal	6-21
Master Cylinder Installation	6-22
Bleeding the Hydraulic Brake System	6-22
Bleeding Brakes on a DOT 5 Fluid Filled System	6-22
Purging the Hydraulic System	6-24

Park Brake System	6-25
Park Brake Adjustment – At Rear Calipers	6-25
Park Brake Cable Adjustment	6-25
Park Brake Wheel Cables	6-26
Front Park Brake Cable Removal	6-27
Front Park Brake Cable Installation	6-28
Park Brake Equalizer Removal	6-28
Park Brake Equalizer Installation	6-29

SECTION 7 – STEERING AND FRONT SUSPENSION

Steering Wheel	7-1
Steering Wheel Removal	7-1
Steering Wheel Installation	7-2
Steering Column	7-2
Steering Column Removal	7-2
Steering Column Installation	7-3
Rack and Pinion	7-3
Rack and Pinion Removal	7-3
Rack and Pinion Installation	7-4
Rack and Pinion Disassembly	7-5
Rack and Pinion Assembly	7-9
Front Suspension	7-11
Wheel Alignment	7-11
Front Suspension Components	7-13
Steering Upright Removal	7-13
Upper A-Arm Removal	7-14
Upper A-Arm Installation	7-16
Lower A-Arm Removal	7-16
Lower A-Arm Installation	7-17
Front Coil-Over Shock Absorber Removal	7-18
Front Coil-Over Shock Absorber Installation	7-19
Steering Upright Installation	7-19

SECTION 8 – WHEELS AND TIRES

General Information	8-1
Wheels	8-2
Wheel Removal	8-2
Wheel Installation	8-2

Tires	8-2
Tire Removal	8-2
Tire Installation	8-3

SECTION 9 – REAR SUSPENSION

Rear Coil-Over Shock Absorber	9-1
Swing Arms	9-2
Swing Arm Removal	9-2
Swing Arm Installation	9-3

SECTION 10 – PERIODIC MAINTENANCE

Periodic Service Schedule	10-1
Periodic Lubrication Schedule	10-4
Brake Fluid Reservoir	10-6
Brake Fluid	10-6
Engine Oil	10-6
Oil Pressure – Gasoline Engine	10-7
Engine Oil Level Check	10-7
Engine Oil and Filter Change	10-7
Oil Viscosity	10-11
Spark Plugs	10-11
Spark Plug Cleaning And Inspection	10-11
Spark Plug Gap Inspection	10-11
Gearcase Lubrication	10-12
Lubrication Level Check for Front Differential, Transmission, and Rear Differential	10-12
Lubrication Change for Front Differential, Transmission, and Rear Differential	10-12
Engine Coolant – Diesel Vehicles	10-13
Engine Coolant Level Check	10-13
Fueling Instructions	10-14
Draining Water from Fuel Filter	10-15
Battery	10-16

SECTION 11A – TROUBLESHOOTING AND ELECTRICAL SYSTEM: GASOLINE VEHICLES

Troubleshooting Guide	11a-1
Wiring Diagram	11a-6
Test Procedures	11a-8
Index of Test Procedures	11a-8

SECTION 11B – TROUBLESHOOTING AND ELECTRICAL SYSTEM: DIESEL VEHICLES

Troubleshooting Guide	11b-1
Wiring Diagram	11b-6
Test Procedures	11b-8
Index of Test Procedures	11b-8

SECTION 12A – ELECTRICAL COMPONENTS: GASOLINE VEHICLES

Starter and Starter Solenoid	12a-1
Relays	12a-1
Neutral Switch	12a-2
Carburetor Solenoid	12a-2
Carburetor Heater	12a-3
Voltage Regulator	12a-4
Warning Lights	12a-5
Fuel Gauge/Hour Meter	12a-6
Key Switch	12a-7
12-Volt Accessory Receptacle	12a-8
Bed Lift Switch	12a-9
Bed Lift Circuit Breaker	12a-9
Light Switch	12a-10
Fuse	12a-10
Reverse Warning Buzzer (If Equipped)	12a-11
Reverse Warning Buzzer Limit Switch (If Equipped)	12a-12
Front Differential Limit Switch	12a-13
Fuel Level Sending Unit	12a-14
Ignition Coil and Charge Coil	12a-14
Oil Pressure Sensor	12a-15
Headlights	12a-15
Wire Harness Diodes	12a-16
Battery	12a-16
General Information	12a-17

SECTION 12B – ELECTRICAL COMPONENTS: DIESEL VEHICLES

Starter and Starter Solenoid	12b-1
Relays	12b-1
Neutral Switch	12b-2
Fuel Solenoid	12b-2
60-Amp Fusible Link	12b-3

Warning Lights	12b-4
Fuel Gauge/Hour Meter	12b-6
Key Switch	12b-6
12-Volt Accessory Receptacle	12b-7
Bed Lift Switch	12b-8
Bed Lift Circuit Breaker	12b-8
Light Switch	12b-8
Fuse	12b-9
Reverse Warning Buzzer (If Equipped)	12b-10
Reverse Warning Buzzer Limit Switch (If Equipped)	12b-11
Front Differential Limit Switch	12b-12
Fuel Level Sending Unit	12b-13
Alternator	12b-13
Oil Pressure Sensor	12b-15
Headlights	12b-15
Thermostat Switch	12b-16
Fan	12b-18
Wire Harness Diodes	12b-19
Battery	12b-20
General Information	12b-20

SECTION 13A – GASOLINE ENGINE, MUFFLER, FUEL SYSTEM, AND CLUTCHES

Gasoline Engine	13a-1
Engine Removal	13a-1
Engine Installation	13a-3
Oil Filter Hoses	13a-5
Exhaust System	13a-6
Muffler Removal	13a-6
Intermediate Pipe Removal	13a-7
Intermediate Pipe Installation	13a-7
Muffler Installation	13a-8
Fuel System	13a-9
Fuel Lines	13a-9
Fuel Filter	13a-11
Fuel Pump	13a-11
Carburetor	13a-11
Fuel Level Sending Unit	13a-12
Fuel Tank	13a-16
Carbon Canister	13a-18
Fuel Shut-Off Valve	13a-20

Engine Control Linkages	13a-21
Accelerator Cable	13a-21
Choke Cable	13a-23
Engine Governor Arm	13a-25
Engine RPM Adjustment	13a-25
Air Intake System	13a-26
Air Filter Replacement	13a-26
Air Canister Removal	13a-27
Air Canister Installation	13a-27
Air Filter Intake Hose Removal	13a-28
Air Filter Intake Hose Installation	13a-28
Air Filter Outlet Hose Removal	13a-29
Air Filter Outlet Hose Installation	13a-29
Clutches	13a-30
Clutch Troubleshooting	13a-30
Drive Belt	13a-31
Drive Clutch	13a-32
Driven Clutch	13a-37
Clutch Cover	13a-40

SECTION 13B – DIESEL ENGINE, MUFFLER, FUEL SYSTEM, AND CLUTCHES

Diesel Engine	13b-1
Engine Removal	13b-1
Engine Installation	13b-3
Exhaust System	13b-5
Muffler Removal	13b-5
Intermediate Pipe Removal	13b-5
Manifold Pipe Removal	13b-6
Manifold Pipe Installation	13b-6
Intermediate Pipe Installation	13b-6
Muffler Installation	13b-7
Fuel System	13b-8
Fuel Lines	13b-8
Bleeding Air From Fuel System	13b-9
Fuel Filter Replacement	13b-9
Fuel Pump	13b-11
Fuel Level Sending Unit	13b-11
Fuel Tank	13b-15
Engine Control Linkages	13b-18
Accelerator Cable	13b-18
Engine RPM Adjustment	13b-20

Air Intake System	13b-22
Air Filter Replacement	13b-22
Air Canister Removal	13b-23
Air Canister Installation	13b-24
Air Filter Intake Hose Removal	13b-24
Air Filter Intake Hose Installation	13b-25
Air Filter Outlet Hose Removal	13b-25
Air Filter Outlet Hose Installation	13b-25
Clutches	13b-26
Clutch Troubleshooting	13b-26
Drive Belt	13b-27
Drive Clutch	13b-28
Driven Clutch	13b-32
Clutch Cover	13b-34

SECTION 14 – DRIVETRAIN COMPONENTS

Half Shafts	14-1
Half Shaft Removal	14-1
Half Shaft Installation	14-3
Front Differential	14-4
Front Differential Removal	14-4
Front Differential Installation	14-6
Front Driveshaft	14-6
Front Driveshaft Removal	14-6
Front Driveshaft Installation	14-7
Rear Receiver Hitch	14-7
Rear Receiver Hitch Removal	14-7
Rear Receiver Hitch Installation	14-7
Rear Axle	14-8
Rear Axle Removal	14-8
Rear Axle Installation	14-10
Rear Driveshaft	14-11
Rear Driveshaft Removal	14-11
Rear Driveshaft Installation	14-12
Transmission	14-12
Transmission Removal	14-12
Transmission Installation	14-14
Forward/Reverse Shifter Cable	14-15
Forward/Reverse Shifter Handle	14-18

Rear Differential and Axle Shafts	14-18
Rear Differential and Axle Shaft Removal	14-18
Rear Differential and Axle Shaft Installation	14-20
Rear Wheel Bearings	14-20

SECTION 15 – RADIATOR AND COOLANT SYSTEM (DIESEL)

General Information	15-1
Engine Coolant Level Check	15-1
Engine Coolant Change	15-1
Coolant Reservoir	15-3
Coolant Reservoir Removal	15-3
Coolant Reservoir Installation	15-4
Radiator	15-4
Radiator Removal	15-4
Radiator Installation	15-5
Coolant Pipe Weldment	15-6
Coolant Pipe Weldment Removal	15-6
Coolant Pipe Weldment Installation	15-6
Fan	15-7
Fan Removal	15-7
Fan Installation	15-7

SECTION 16 – TRANSMISSION

General Information	16-1
Service Fixture	16-1
Transmission Removal	16-2
Transmission Disassembly	16-2
Input Shaft Disassembly	16-8
Input Shaft Assembly	16-8
Intermediate Shaft Disassembly	16-8
Output Shaft Disassembly	16-12
Shifter Shaft Removal	16-13
Shifter Shaft Installation	16-14
Case Inspection	16-14
Shaft Seal Removal	16-15
Shaft Seal Installation	16-15
Output Shaft Assembly	16-15
Intermediate Shaft Assembly	16-18
Intermediate and Output Shaft Assembly	16-22
Transmission Assembly	16-23

Transmission Installation	16-27
---------------------------------	-------

SECTION 17 – FRONT DIFFERENTIAL

General Information	17-1
Axle Half Shaft Removal	17-1
Front Differential Removal	17-2
Tools Required For This Section	17-3
Front Differential Coil And Output Cover	17-3
Coil and Output Cover Removal	17-3
Coil and Output Cover Installation	17-6
Front Differential	17-8
Front Differential Disassembly	17-8
Front Differential Assembly	17-14
Front Differential Installation	17-18
Axle Half Shaft Installation	17-18

SECTION 18 – REAR DIFFERENTIAL

General Information	18-1
Axle Shafts and Differential Removal	18-2
Rear Differential Disassembly	18-2
Pinion Gear Removal	18-4
Ring Gear Removal	18-6
Clutch Carrier	18-7
Clutch Components	18-7
Ring Gear Installation	18-9
Pinion Gear Installation	18-9
Rear Differential Assembly	18-10
Axle Shafts and Differential Installation	18-11

SECTION i – INDEX

SECTION 1 – SAFETY

SAFETY DETAILS

To ensure the safety of those servicing these vehicles, and to protect the vehicles from damage resulting from improper service or maintenance, the procedures in this manual must be followed. It is important to note that throughout this manual there are statements contained within headings labeled DANGER, WARNING, CAUTION, or NOTE. These special statements relate to specific safety issues, and must be read, understood, and heeded before proceeding.

Personal Safety

DANGER

- A **DANGER** indicates an immediate hazard that will result in severe personal injury or death. The color associated with Danger is **RED**.

WARNING

- A **WARNING** indicates an immediate hazard that could result in severe personal injury or death. The color associated with Warning is **ORANGE**.

CAUTION

- A **CAUTION** with the safety alert symbol indicates a hazard or unsafe practice that could result in minor personal injury. The color associated with Caution is **YELLOW**.

Machine Safety

CAUTION

- A **CAUTION** without the safety alert symbol indicates a potentially hazardous situation that could result in property damage.

A **CAUTION**, without the safety alert symbol, is intended for machine and property safety. It is used throughout this manual followed by specific instructions to prevent machine or property damage. Failure to follow these **CAUTION** messages could result in machine or property damage.

Information

NOTE: *Instructions that clarify steps, procedures, or other information in this manual.*

GENERAL WARNING

The following safety statements must be heeded whenever the vehicle is being operated, repaired, or serviced. Service technicians should become familiar with these safety statements, which can be found throughout this manual. Also, other specific safety statements appear throughout this manual and on the vehicle.

⚠ DANGER

- **Battery – Explosive gases! Do not smoke. Keep sparks and flames away from the vehicle and service area. Ventilate when charging or operating vehicle in an enclosed area. Wear a full face shield and rubber gloves when working on or near batteries.**
- **Battery – Poison! Contains acid! Causes severe burns. Avoid contact with skin, eyes, or clothing. Antidotes:**
 - **External: Flush with water. Call a physician immediately.**
 - **Internal: Drink large quantities of milk or water. Follow with milk of magnesia or vegetable oil. Call a physician immediately.**
 - **Eyes: Flush with water for 15 minutes. Call a physician immediately.**
- **Gasoline/Diesel – Flammable! Explosive! Do not smoke. Keep sparks and flames away from the vehicle and service area. Service only in a well-ventilated area.**
- **Do not operate engine in an enclosed area without proper ventilation. The engine produces carbon monoxide, which is an odorless, deadly poison that can quickly accumulate in an enclosed cab. Do not run the engine in a parked vehicle without proper cab ventilation. Move to fresh air if you feel nausea, headache, dizziness, drowsiness or weakness.**
- **The vehicle will not provide protection from lightning, flying objects, or other storm-related hazards. If caught in a storm while driving this vehicle, exit the vehicle and seek shelter in accordance with applicable safety guidelines for your location.**
- **Do not weld to a wheel or rim until the tire is completely removed. Inflated tires can generate a gas mixture with the air that can be ignited by high temperatures from welding procedures performed on the wheel or rim. Removing the air or loosening the tire on the rim (breaking the bead) will NOT eliminate the hazard. This condition can exist whether tires are inflated or deflated. The tire MUST be completely removed from the wheel or rim prior to welding the wheel or rim. Failure to comply will result in death or serious injury.**

⚠ WARNING

- **The engine produces carbon monoxide, which is a deadly, odorless, colorless gas that can quickly accumulate in an enclosed cab. Do not run the engine in a parked vehicle without proper cab ventilation. Move to fresh air if you feel nausea, headache, dizziness, drowsiness, or weakness.**
- **Follow the procedures exactly as stated in this manual, and heed all DANGER, WARNING, and CAUTION statements in this manual as well as those on the vehicle.**
- **This vehicle is not intended to be used where risk of falling objects exist. If your vehicle will be used in such an environment, contact your local dealer.**
- **Only trained technicians should service or repair the vehicle. Anyone doing even simple repairs or service should have knowledge and experience in electrical and mechanical repair. The appropriate instructions must be used when performing maintenance, service, or accessory installation.**
- **Prior to servicing the vehicle or leaving the vehicle unattended, turn the key switch OFF, remove the key, and place the Forward/Reverse handle in the NEUTRAL position. Chock the wheels when servicing the vehicle.**



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- To avoid unintentionally starting a gasoline vehicle, disconnect the battery and spark plug wire. See Disconnecting The Battery on page 1-4.
- Frame ground – Do not allow tools or other metal objects to contact frame when disconnecting battery cables or other electrical wiring. Do not allow a positive wire to touch the vehicle frame, engine, or any other metal component.
- Wear safety glasses or approved eye protection when servicing the vehicle. Wear a full face shield and rubber gloves when working on or near batteries.
- Do not wear loose clothing or jewelry such as rings, watches, chains, etc., when servicing the vehicle.
- Moving parts! Do not attempt to service the vehicle while it is running.
- Hot! Do not attempt to service hot engine or exhaust system. Failure to heed this warning could result in severe burns.
- Any modification or change to the vehicle that affects the stability or handling of the vehicle, or increases maximum vehicle speed beyond factory specifications, could result in severe personal injury or death.
- The diameter of all tires on the vehicle must be equal; otherwise, the all-wheel drive system will not operate as intended and could result in severe personal injury or death. Never install tires of different diameters on the vehicle.
- Lift only one end of the vehicle at a time. Use a suitable lifting device (chain hoist or hydraulic floor jack) with 1000 lb. (454 kg) minimum lifting capacity. Do not use lifting device to hold vehicle in raised position. Use approved jack stands of proper weight capacity to support the vehicle and chock the wheels that remain on the floor. When not performing a test or service procedure that requires movement of the wheels, lock the brakes.
- When servicing the vehicle with part of the vehicle on jack stands, do not operate the engine with the Forward/Reverse handle in either the FORWARD or REVERSE position. The all-wheel drive system will engage any wheel(s) with traction. See Figure 1-1, Page 1-3.

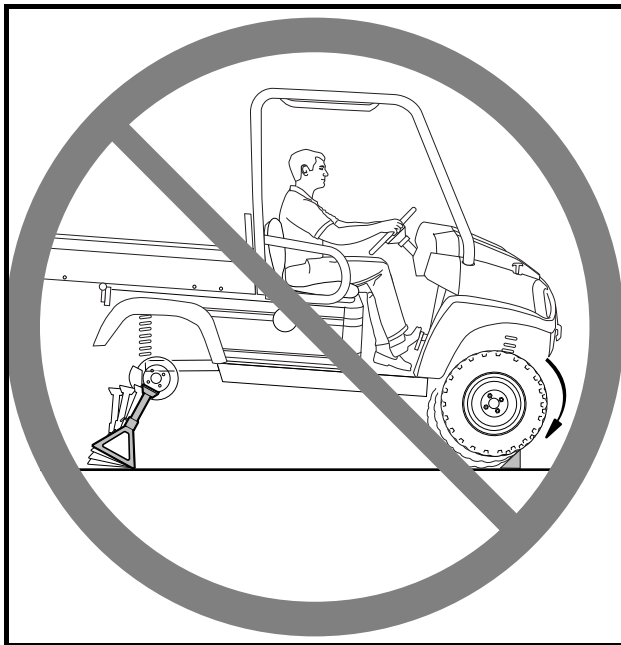


Figure 1-1 All-Wheel Drive Warning

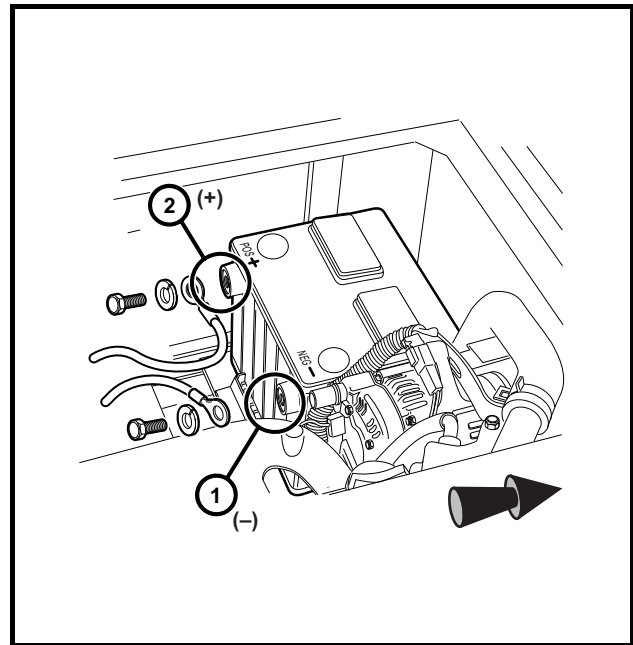


Figure 1-2 Disconnect Battery

(Viewed from driver side of vehicle)
 1. Remove negative battery cable.
 2. Remove positive battery cable.
 Connect battery cables in reverse order.

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