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FOREWORD

This book has been written to give the Owner / Operator necessary operating servicing and preventative maintenance instructions on the loader.
 Read this manual completely and know the loader before operating or servicing it.
 Do not do any service procedures that are not in the Operator's manual.
 Only service personnel that have had training in the service of this loader can do these service procedures.

Reference Information

Write the correct information for your loaders in the spaces below. Always use these numbers when referring to your loader.

Model No. _____
Serial No. _____
Dealer Name _____
Address _____
Phone _____

Throughout this manual the terms DANGER, WARNING and CAUTION are used to indicate the degree of hazard in terms of personal safety. These words will be used in conjunction with the Safety - Alert symbol, a triangle with an exclamation mark. Throughout this manual, the term IMPORTANT is used

- * To indicate that instructions are necessary before operating or servicing the loader.
- * To show important procedures which must be followed to prevent damage to the loader or attachment.

 DANGER	<p>This warning indicates an immediate hazard which WILL result in severe personal injury or death.</p>
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 WARNING	<p>This warning indicates hazards or unsafe practices which COULD result in severe personal injury or death.</p>
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 CAUTION	<p>This warning indicates hazards or unsafe practices which COULD result in minor personal injury or product or property damage.</p>
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IMPORTANT	<p>Instructions are necessary before operating or servicing this machine. Read the operators manual and service decals on the loader. Follow warnings and instructions in this manual when making repairs, adjustments or servicing. Check for correct operation after adjustments and repairs.</p>
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IMPORTANT	<p>This notice shows important procedures which must be followed to prevent damage to the loader or attachment.</p>
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1 SAFETY PRECAUTIONS

The following precautions are suggested to help prevent accidents.

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. Read and take the following precautions before operating this loader to help prevent accidents. Equipment should be operated only by those who are responsible and instructed to do so.

THE LOADER

1. Read this manual carefully before using the loader. Working with unfamiliar equipment can lead to accidents.
2. Do not allow anyone to ride on the loader with the operator.
3. Make sure the seat bar is installed and functioning at all times.
4. Never run the engine in a closed building without adequate ventilation, as the exhaust fumes can cause death.
5. Always fasten the seat belt around your waist before starting the engine. Never fasten the seat belt behind you.
6. Never attempt to start the engine while standing beside the unit unless as specified in this manual or under service procedures and backhoe operations. Start the engine only while sitting in the operator's seat with the seat belt fastened around you. Always check to make certain that the seat cushion is secured to the frame.
7. Keep the operator's platform free of debris.
8. Never enter or leave the loader while the engine is running. Always lower the lift arms down against the frame, drop the attachment down to contact the ground, set the parking brake and shut off the engine prior to leaving the loader.
9. If the unit is equipped with a cab enclosure kit always close the door prior to operating the loader lift arms.
10. Do not operate the loader unless all safety equipment, shields, seat belt, seat bar, foot pedal and steering lever locks, parking brake, operator guard, and boom support are working properly, as well as all safety and instruction decals are in place.

OPERATING THE LOADER

1. Always drive the loader at speeds compatible with safety, especially when operating over rough ground, crossing ditches or when turning.
2. Avoid jerky turns, starts, stops, or reverses.
3. Use care when operating on steep grades to maintain proper stability.
4. Do not turn the loader while the lift arms are in the raised position.
5. Be careful when driving through door openings or under overhead objects. Always make sure there is sufficient clearance for the operator's guard.
6. When travelling on public roads, know the local rules and regulations and make sure your loader is equipped with the proper safety equipment.
7. Always be sure of water, gas, sewage and electrical line locations before you start to dig.
8. Watch out for overhead and underground high-voltage electrical lines when operating the loader.
9. Always park the loader on level ground where possible. If the loader is to be parked on an incline, always lower the attachment so that it contacts the ground, set the parking brake and block the wheels.

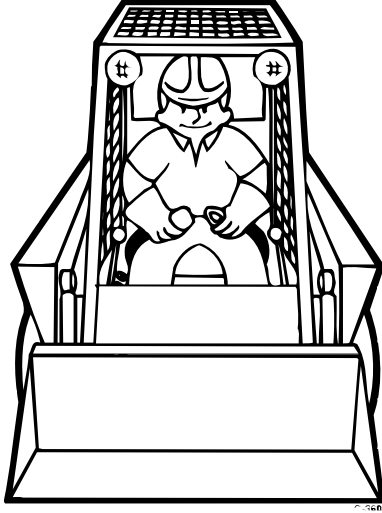
10. Do not leave the loader when it is in motion.
11. Do not dismount from the loader and leave the loader lift arms raised unless following specific service procedures. Always lower the lift arms down against the frame and drop the attachment down to contact the ground.
12. Always be watchful of bystanders when operating the loader.
13. Always carry the attachment low for maximum stability and visibility.
14. Exercise extreme caution when operating the loader with a raised, loaded attachment or fork.
15. Never attempt to lift loads in excess of loader capacity.
16. Check that the foot pedals are locked before getting out of the operator's seat.

MAINTENANCE

1. Stop the engine before performing any service on the loader.
2. Never refuel the loader while smoking or with the engine hot or running.
3. Replace all missing, illegible or damaged safety and warning decals. (See Section 5. 4 for list).
4. Do not modify or alter, or permit anyone to modify or alter this loader or any of its components or any loader function.
5. Do not bypass the safety system. Consult your **Hyundai** Equipment Dealer if your safety controls are malfunctioning. Use booster cables only in recommended manner. (See Section 3. 10).
6. Do not make mechanical adjustments while the loader is in motion or when the engine is running. However, if minor engine adjustments must be made, securely block the loader with the wheels clear of the ground and use extreme caution.
7. Do not attempt to repair or tighten hydraulic hoses when the system is under pressure, when the engine is running or when the lift arms are raised.
8. Do not get under the attachment or lift arms or reach through the lift arms when they are raised.
9. Never attach the chains or ropes to the operator's guard for pulling purposes, as the loader can tip over.
10. Whenever servicing or replacing pins in cylinder ends, buckets, etc., always use a brass drift and a hammer. Failure to do so could result in injury from flying metal fragments.
11. Cooling system operates under pressure which is controlled by the radiator cap. It is dangerous to remove the cap while system is hot. Always turn cap slowly to the first stop and allow the pressure to escape before removing the cap entirely.

1 SAFETY PRECAUTIONS

12. Keep the operator platform and foot pedal area free from debris.
13. For lifting and towing instructions, refer to Sections 3.7 and 3.8 of this manual.



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Start Safely

WARNING: START THE ENGINE FROM THE OPERATOR'S SEAT ONLY. NEVER ATTEMPT TO START THE ENGINE BY SHORTING ACROSS STARTER TERMINALS. Machine may move uncontrollably and cause serious injury or death to anyone in its path.

Know the exact starting procedure for your machine. See the manufacturers manual for starting.

1. Sit in the operator's seat and adjust the seat so you can operate all the controls properly.
2. Fasten the seat belt/operator restraint.

WARNING

To avoid personal injury, lower the boom arms, shut off the engine, raise the seat bar and cycle the hydraulics to ensure they are locked. Then, unlatch the seat belt and exit the loader. Do not enter or exit with the engine running unless as specified in this manual or under specific service and backhoe operating procedures.

WARNING

To prevent personal injury always keep feet on the foot pedal or cab floor while operating the loader.

IMPORTANT

Do not raise the seat bar engaging the park brake while the machine is in motion. This can potentially cause damage to the braking system.

WARNING

To prevent personal injury do not start the engine unless you are in the seat with the seat belt fastened around you.

WARNING

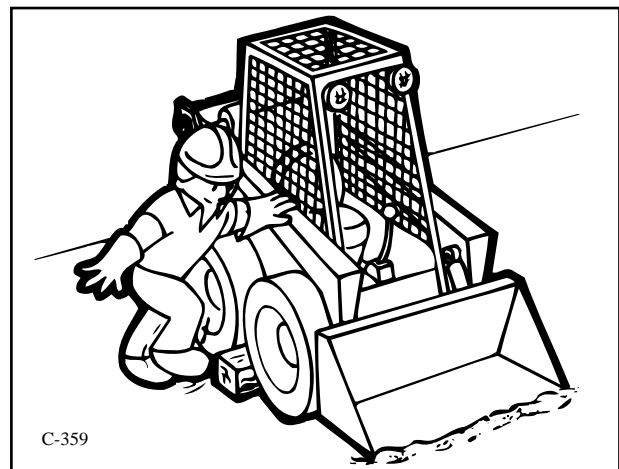
To prevent personal injury do not operate the loader without lowering the safety bar, fastening the seat belt and keeping feet on the control pedals or cab floor.

IMPORTANT

This engine is equipped with glow plugs. Do not use ether or any high energy fuels to assist starting.

Park Safely

Select level ground, whenever possible. If you must park on a slope or incline, position the machine at right angles to the slope, engage the parking brake, lower the bucket and other attachments and block the wheels.



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2 CONTROLS

2...CONTROLS

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