⚠ SAFE OPERATION

Careful operation is your best insurance against an accident.

Read and understand this section carefully before operating the tractor.

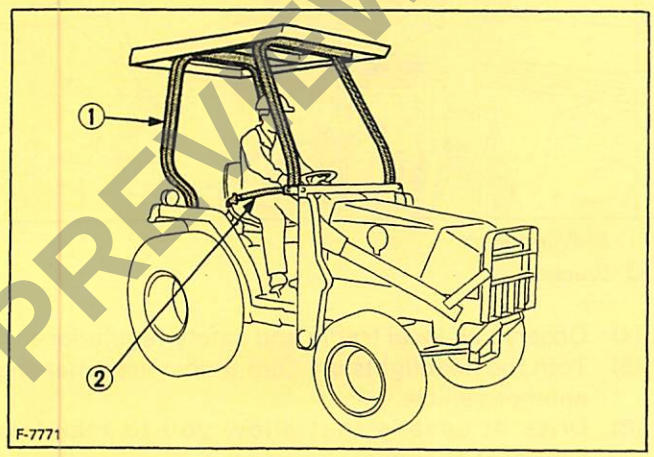
All operators, no matter how much experience they may have had, should read this and other related manuals before operating the tractor or any implement attached to it. It is the owner's obligation to instruct all operators in safe operation.

1. BEFORE OPERATING THE TRACTOR

(1) Know your equipment and its limitations. Read this entire manual before attempting to start and operate the tractor.

(2) Pay special attention to the danger, warning and caution labels on the tractor itself.

(3) KUBOTA recommends the use of a Roll Over Protective Structures (ROPS) and seat belt in almost all applications. This combination will reduce the risk of serious injury or death, should the tractor be upset.
If the ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the tractor.
Never modify or repair a ROPS because welding, bending, drilling, grinding, or cutting any portion may weaken the structure.
A damaged ROPS structure must be replaced, not repaired or revised. If any structural member of the ROPS is damaged, replace the entire structure at your local KUBOTA dealer.



① *ROPS*
② *Seat belt*

(4) Always use the seat belt if the tractor has a ROPS. Do not use it if there is no ROPS. Check the seat belt regularly and replace if frayed or damaged.

(5) Do not operate tractor or any implement attached to it while under the influence of alcohol, medication, or other substances or while fatigued.

(6) Carefully check the vicinity before operating tractor or any implement attached to it. Check for overhead clearance which may interfere with a ROPS. Do not allow any bystanders around or near tractor during operation.

(7) Before allowing other people to use your tractor, explain how to operate and have them read this manual before operation.

(8) Never wear loose, torn, or bulky clothing around tractor. It may catch on moving parts or controls, leading to the risk of accident. Use additional safety items,e.g. hard hat, safety boots or shoes, eye and hearing protection, gloves, etc., as appropriate or required.

(9) Do not allow passengers to ride on any part of the tractor at anytime. The operator must remain in the tractor seat throughout operation.

(10) Check brakes, clutch, and other mechanical parts for improper adjustment and wear. Replace worn or damaged parts promptly. Check the tightness of all nuts and bolts regularly. (For further details, see Maintenance section.)

(11) Keep your tractor clean. Dirt, grease, and trash accumulations contribute to fires and lead to personal injury.

(12) Use only implements meeting the specifications listed under IMPLEMENT LIMITATIONS in this manual and use only implements approved by KUBOTA.

(13) Use proper weights to front or rear of tractor to reduce the risk of upsets. When using the front loader, put the implement or ballast on 3-point hitch to improve stability. Follow the safe operating procedures specified in the attached manual to the equipment.

(14) Do not modify the tractor if special applications may be unsafe.

2. OPERATING THE TRACTOR

(1) Never start engine or operate levers from anywhere other than the seat.

(2) Before, starting the engine, make sure that all levers (including auxiliary control levers) are in their neutral positions, that the parking brake is engaged, and that both the clutch and the Power Take-Off (PTO) are disengaged.
Fasten the seat belt if the tractor has a ROPS.

(3) Do not start engine by shorting across starter terminals or bypassing the safety start switch. Machine may start in gear and move if normal starting circuitry is bypassed.

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SPECIFICATIONS

SPECIFICATION TABLE

Model				L35
Engine gross power				26.2 kW (35.1 HP) *
PTO power				19.4 kW (26 HP) *
Engine	Model			D1703
	Type			Vertical, water-cooled, 4-cycle diesel
	No. of cylinders			3
	Bore and stroke			87 mm × 92.4 mm (3.4 in. × 3.6 in.)
	Total displacement			1647 cm^3 (100.5 cu.in.)
	Rated revolution			45 r/s (2700 rpm)
	Fuel			Diesel fuel No. 2-D
	Starter			Electric starter with battery, glow plug, 12V, 1.0kW
	Lubrication			Forced lubrication by trochoid pump
	Cooling			Water with pressurized radiator
	Battery			12V
Capacities	Fuel tank			35 ℓ (9.2 U.S.gals.)
	Engine crankcase (with filter)			4.8 ℓ (5.1 U.S.qts.)
	Engine coolant			7.0 ℓ (7.4 U.S.qts.)
	Transmission case			39 ℓ (41.2 U.S.qts.)
	Front axle case			5.5 ℓ (5.8 U.S.qts.)
Tires		Front		27×10.5—15 (NHS, Trac Loader)
		Rear		15—19.5 (NHS, Trac Loader)
Dimensions	Overall length (without 3P)		mm (in.)	2720 (107.1)
	Overall width		mm (in.)	1590 (62.3)
	Overall height with ROPS & FOPS		mm (in.)	2400 (94.5)
	Wheel base		mm (in.)	1700 (66.9)
	Min. ground clearance		mm (in.)	325 (12.8)
	Tread	Front	mm (in.)	1165 (45.9)
		Rear	mm (in.)	1200 (47.2)
Weight			kg (lbs.)	1450 (3197)
PTO shaft				Transmission case rear
Rear PTO				SAE 1-3/8 1 speed (9 r/s at 37.0 engine r/s) (540 rpm at 2219 engine rpm)
Clutch				Dry single plate
Steering				Hydrostatic power steering
Transmission				Glide shift transmission; 8 forward and 8 reverse
Min. turning radius m (feet)				2.47 (8.1) **
Brake				Right and left independent with interlocking device
Differential				Bevel gear

NOTE: * Manufacturer's estimate
** with brake

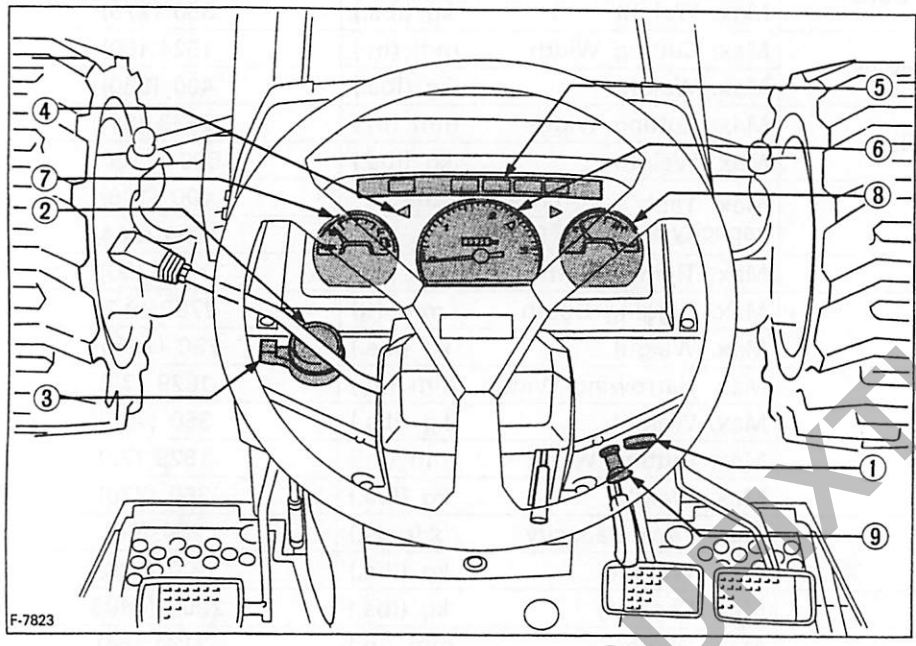
The company reserves the right to change the specifications without notice.

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INSTRUMENT PANEL AND CONTROLS

■ Instrument Panel, Switches and Hand Controls



ILLUSTRATED CONTENTS

① *Key switch* *16*
② *Head light switch* *22*
③ *Hazard light switch* *22*
④ *Hazard light indicator* *22*
⑤ *Easy Checker™* *17,27*
⑥ *Hourmeter/Tachometer* *28*
⑦ *Fuel gauge* *27*
⑧ *Coolant temperature gauge* *28*
⑨ *Engine stop knob* *18*

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OPERATING THE ENGINE

CAUTION
To avoid personal injury:
- **Read "Safe Operation" in the front of this manual.**
- **Read the danger, warning and caution labels located on the tractor.**
- **To avoid the danger of exhaust fume poisoning, do not operate the engine in a closed building without proper ventilation.**
- **Never start engine while standing on ground.**
  Start engine only from operator's seat.

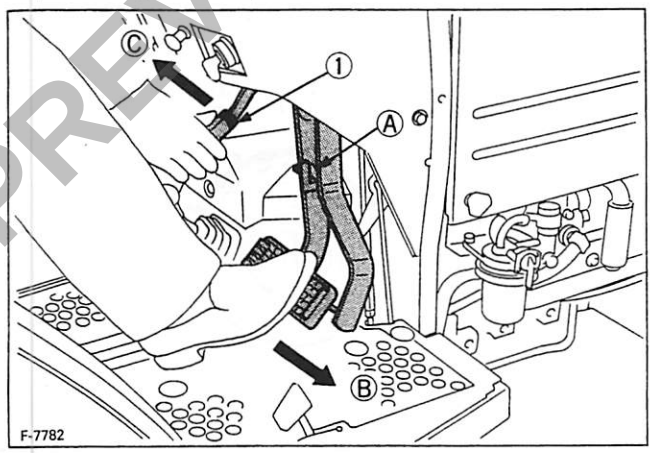
IMPORTANT:
- Do not use starting fluid or ether.
- When starting the engine after long storage (of more than three months), first pull the engine stop knob and then activate the starter for about ten seconds to allow oil to reach every engine part.
- To protect the battery and the starter, make sure that the starter is not continuously turned for more than 30 seconds.

STARTING THE ENGINE

1. Set the parking brake

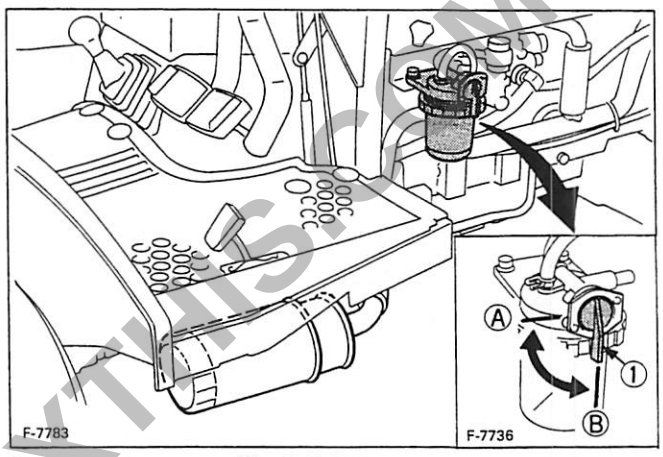
(1) To set the parking brake;
1) Interlock the brake pedals.
2) Depress the brake pedals.
3) Latch the brake pedals with the parking brake lever.

(2) To release the parking brake, depress the brake pedals again.



① *Parking brake lever* Ⓐ *Interlock the brake pedals*
Ⓑ *"DEPRESS"*
Ⓒ *"PULL"*

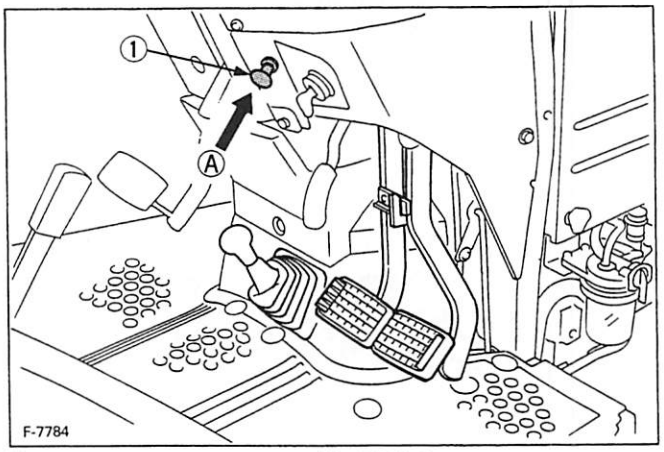
2. Make sure the fuel cock is in the "OPEN" position.



① *Fuel cock* Ⓐ *"CLOSE"*
Ⓑ *"OPEN"*

3. Make sure the engine stop knob is pushed in.

Push in the engine stop knob if it is pulled out, or the engine will not start.



① *Engine stop knob* Ⓐ *"PUSH"*

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MAINTENANCE

SERVICE INTERVALS

No.	Items	Period	Indication on hour meter															Since then	Reference page
			50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800		
1	Engine oil	Change	◎	○		○		○		○		○		○		○		○	every 100 Hr	45
2	Engine oil filter	Replace	◎			○				○				○				○	every 200 Hr	48
3	Hydraulic oil filter	Replace	◎			○				○				○				○	every 200 Hr	49
4	Transmission fluid	Change	◎							○								○	every 400 Hr	51
5	Front axle case oil	Change	◎							○								○	every 400 Hr	51
6	Front axle pivot	Adjust	◎							○								○	every 400 Hr	52
7	Greasing		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	42
8	Engine start system	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	43
9	Wheel bolt torque	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	43
10	Battery condition	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	44
11	Air cleaner element	Clean		○		○		○		○		○		○		○		○	every 100 Hr *	46
		Replace																	every 1 year	52
12	Fuel filter element	Clean		○		○		○		○		○		○		○		○	every 100 Hr	46
		Replace								○								○	every 400 Hr	51
13	Fan belt	Adjust		○		○		○		○		○		○		○		○	every 100 Hr	47
14	Clutch	Adjust		○		○		○		○		○		○		○		○	every 100 Hr	47
15	Brake	Adjust		○		○		○		○		○		○		○		○	every 100 Hr	48
16	Radiator hose and clamp	Check				○				○				○				○	every 200 Hr	49
		Replace																	every 2 years	53
17	Power steering oil line	Check				○				○				○				○	every 200 Hr	50
		Replace																	every 2 years	53
18	Fuel line	Check				○				○				○				○	every 200 Hr	50
		Replace																	every 2 years	53
19	Toe-in	Adjust				○				○				○				○	every 200 Hr	50
20	Engine valve clearance	Adjust																○	every 800 Hr **	52
21	Cooling system	Flush																	every 2 years	52
22	Coolant	Change																	every 2 years	52
23	Fuel system	Bleed																	Service as required	54
24	Clutch housing water	Drain																		54
25	Fuse	Replace																		54
26	Light bulb	Replace																		55

IMPORTANT

- The jobs indicated by ◎ must be done by all means 50 hours after the break-in respectively.

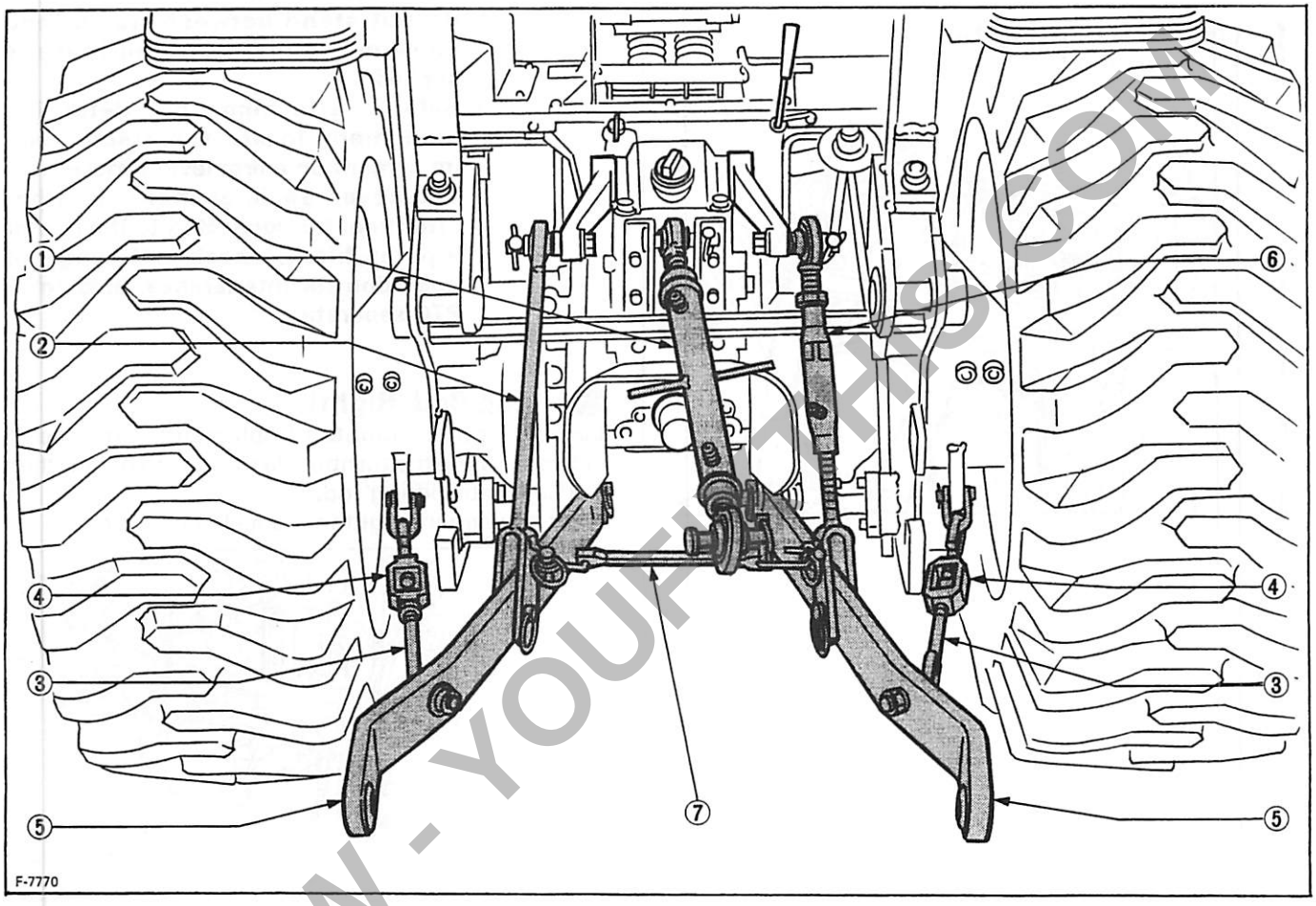
* Air cleaner should be cleaned more often in dusty conditions than in normal conditions.

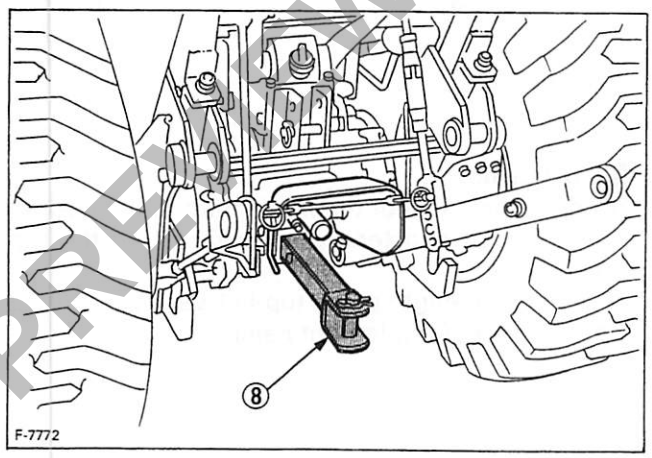
** Consult your local KUBOTA dealer for this service.

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THREE-POINT HITCH & DRAWBAR





① *Top link*
② *Lifting rod (Left)*
③ *Check chains*
④ *Turnbuckle*
⑤ *Lower link*
⑥ *Lifting rod (Right)*
⑦ *Lower link holder*
⑧ *Fixed hitch (option)*

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LUBRICANTS

No.	Locations	Capacities	Lubricants	
		L35		
1	Fuel	35 ℓ (9.2 U.S.gals.)	No.2-D diesel fuel No.1-D diesel fuel if temperature is below −10°C (14°F)	
2	Coolant	7.0 ℓ (7.4 U.S.qts.)	Fresh clean water with anti-freeze	
3	Engine crankcase	4.8 ℓ (5.1 U.S.qts.)	● Engine oil: API Service Classification CC or CD Above 25°C (77°F): SAE30, SAE10W-30 or 10W-40 0~25°C (32~77°F): SAE20, SAE10W-30 or 10W-40 Below 0°C (32°F): SAE10W, SAE10W-30 or 10W-40	
4	Transmission case	39 ℓ (41.2 U.S.qts.)	● KUBOTA UDT or SUPER UDT fluid*	
5	Front axle case [4WD]	5.5 ℓ (5.8 U.S.qts.)	● KUBOTA UDT or SUPER UDT fluid or SAE80 · SAE90 gear oil	
6	Greasing	No. of greasing point	Capacity	Type of grease
	Steering Lever	1	Until grease overflows.	Multipurpose type grease
	Top link	2		
	Lifting rod	1		
	Battery terminal	2	moderate amount	
	Seat adjuster	—	moderate amount	
	Reversible seat	—	moderate amount	

NOTE:
*KUBOTA UDT or SUPER UDT fluid.....KUBOTA original transmission hydraulic fluid.

NOTE:

- Engine Oil:
  Oil used in the engine should have an American Petroleum Institute (API) service classification and Proper SAE Engine Oil according to the ambient temperatures as shown above:

- Transmission oil:
  The oil used to lubricate the transmission is also used as hydraulic fluid. To insure proper operation of the hydraulic system and complete lubrication of the transmission, it is important that a multi-grade transmission fluid be used in this system. We recommend the use of **KUBOTA SUPER UDT fluid** for optimum protection and performance. (Consult your local KUBOTA dealer for further detail.)
  Do not mix different brands together.

- Indicated capacity of water and oil are manufacture's estimate.

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FOREWORD

You are now the proud owner of a KUBOTA Tractor. This tractor is a product of KUBOTA quality engineering and manufacturing. It is made of fine materials and under a rigid quality control system. It will give you long, satisfactory service. To obtain the best use of your tractor, please read this manual carefully. It will help you become familiar with the operation of the tractor and contains many helpful hints about tractor maintenance. It is KUBOTA's policy to utilize as quickly as possible every advance in our research. The immediate use of new techniques in the manufacture of products may cause some small parts of this manual to be outdated. KUBOTA distributors and dealers will have the most up-to-date information. Please do not hesitate to consult with them.

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⚠ SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.

⚠ **DANGER :**	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
⚠ **WARNING :**	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ **CAUTION:**	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
IMPORTANT :	Indicates that equipment or property damage could result if instructions are not followed.
NOTE :	Gives helpful information.

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