YANMAR®

YANMAR

YANMAR
DIESEL TRACTOR

EF312T/EF352T

OPERATOR'S MANUAL

PREVIEW - YOUFIXTHIS.COM

YANMAR AGRICULTURAL EQUIPMENT CO.,LTD.

OPE_EF312T&352T_en.doc

Download full manual at youfixthis.com

TABLE OF CONTENTS

TO THE OWNER	2
SYMBOL INDICATION	3
SAFETY INSTRUCTIONS	4
AFTER SALES SERVICES	17
TRACTOR OUTLINE	18
PARTS NAMES	19
LABEL LOCATIONS	20
CONTROLS	21
OPERATIONS	29
1. Pre-operation checks	29
2. Brake-in (initial 50 hours)	33
3. Before starting	33
4. Start and stop	34
4-1. Start and stop engine	34
4-2. Start, gear shifting and stop tractor	35
5. Driving on a road	37
6. Driving on a slope	38
7. Driving in and out of fields	38
8. Setting adequate speed	38
9. Turning in a field	39
10. Differential gear lock	39
11. Loading and unloading	40
12. Adjusting wheel tread	41
13. Hydraulic power take off	41
14. Using 3-point hitch	42
15. Drawbar hitch	42
16. General precautions on attaching and detaching an implement	43
17. Power steering	44
18. Safety frame (ROPS) (optional equipment)	44
19. Tightening torque of bolts and nuts	44
OPENING BONNET AND SIDE COVER	45
AFTER OPERATION	46
PERIODICAL SERVICE	48
TROUBLESHOOTING	65
SPECIFICATIONS	68

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

● SYMBOL INDICATION

1.1 Safety-alert Symbol

(1) This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the possibility of personal injury and carefully read the messages that follow.



(2) This stop symbol indicates important proper operation messages in this manual. When you see this symbol, carefully read the messages that follow.



(3) This machine is of metric design. All hardware is therefore metric (ISO). Make sure you use the specified metric hardware when service becomes necessary.



1.2 Signal Words

The signal words "DANGER" "WARNING" "CAUTION" are used with the safety-alert symbol.

(1) "DANGER" denotes the extreme hazard which would result in high probability of irreparable injury if proper precautions are not taken.



(2) "WARNING" denotes the hazard which would result in injury if proper precautions are not taken.



(3) "CAUTION" denotes the general precautions.

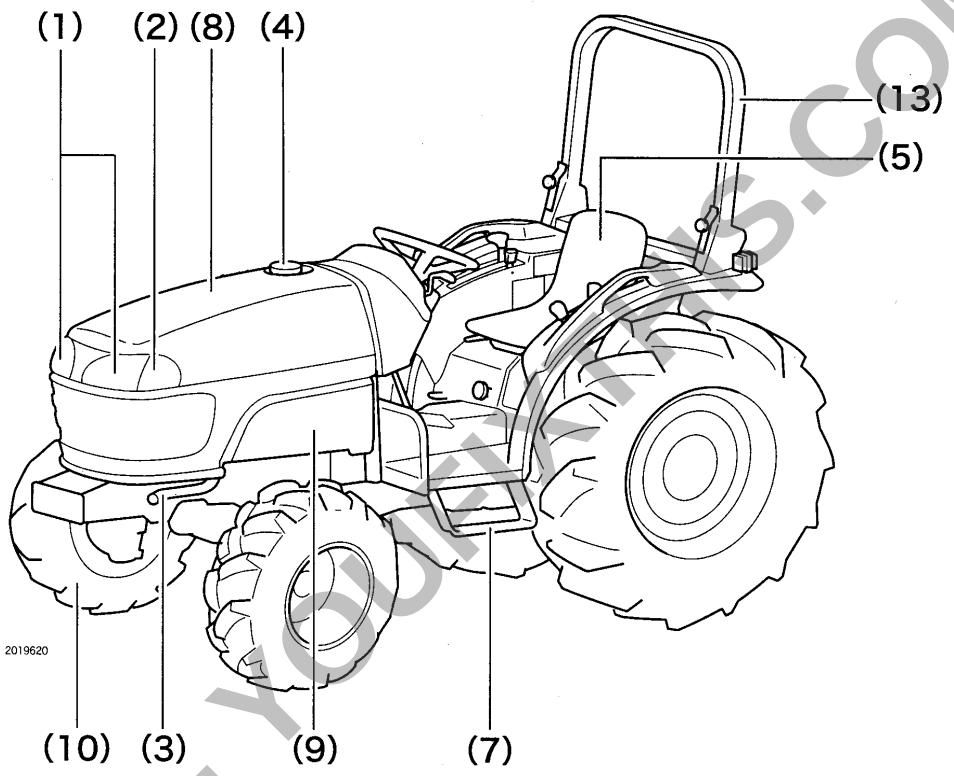


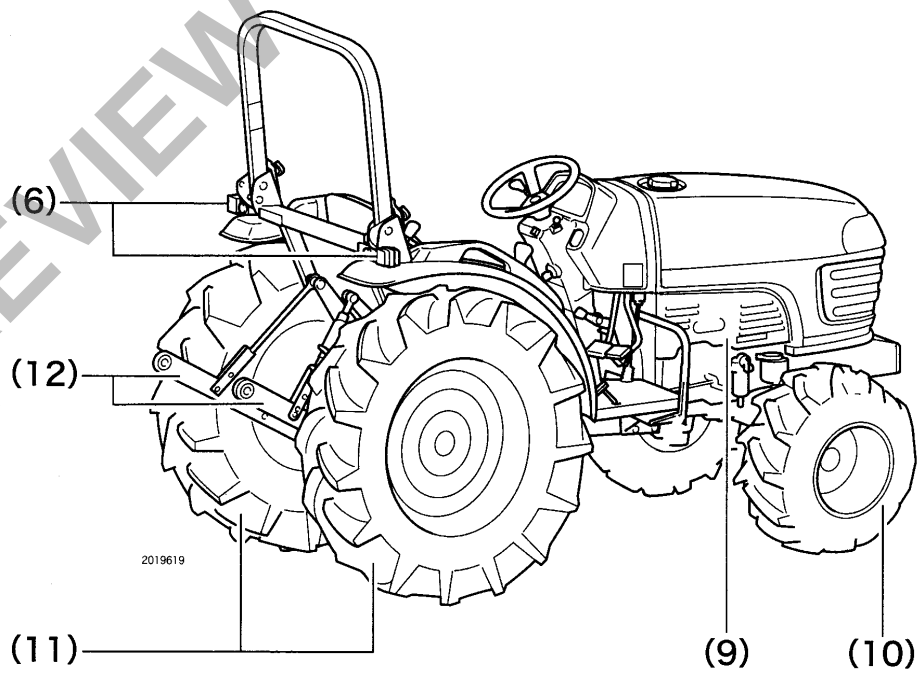
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TRACTOR OUTLINE

(1) Head light
(2) Side light
(3) Muffler tail pipe
(4) Fuel refill port
(5) Operator's seat
(6) Turn signal lamp
(7) Sub-step
(8) Bonnet
(9) Side cover
(10) Front tire
(11) Rear tire
(12) Lower link (3-P)
(13) ROPS (Safety frame, optional equipment)



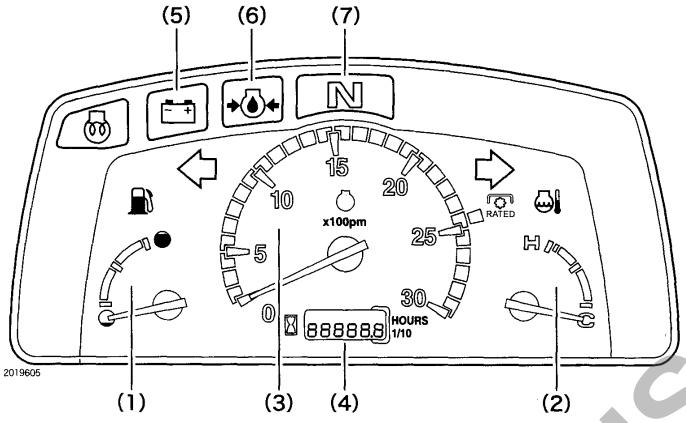


PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

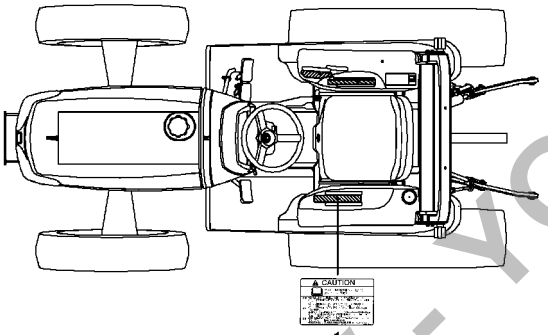
Lamps and Indicators

(1) Fuel gauge
(2) Engine coolant temperature gauge
(3) Engine speed meter, RPM
(4) Hour meter
(5) Battery charge pilot lamp
(6) Engine oil pressure pilot lamp
(7) Reverser lever neutral pilot lamp

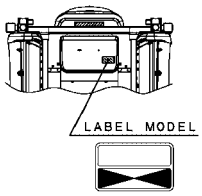


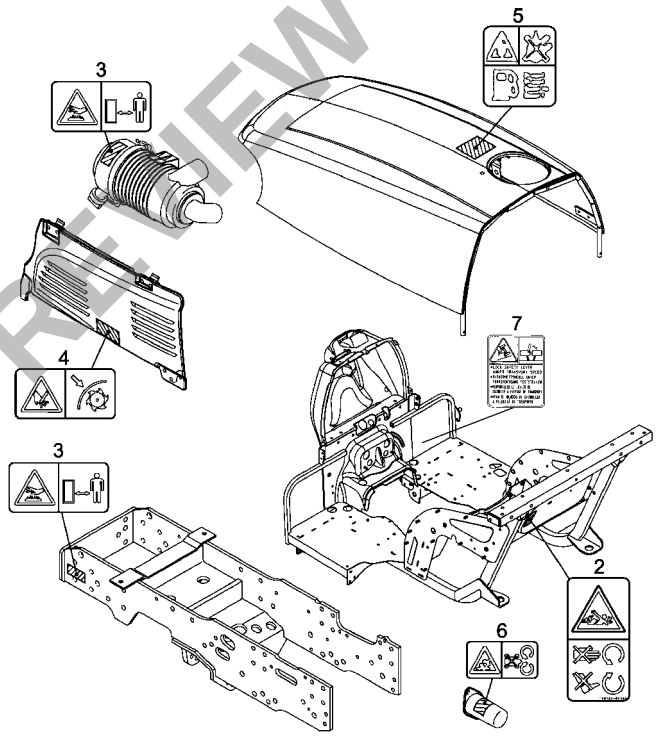
LABEL LOCATIONS

Keep the safety instructions labels clean and clearly visible for your safety. If any of them are damaged or missing, replace them with new ones.



Label Model (not for sale)





1. 198122-65730 Caution label 1 pc.
2. 198163-65350 Danger label 1 pc.
3. 198163-65953 Caution label 2 pcs.
4. 198163-65940 Caution label 2 pcs.
5. 1A6150-91251 Fuel label 1pc.
6. 1A6150-93151 PTO cover label 1 pc.
7. 198163-65780 Brake label 1 pc.

PREVIEW - YOUFIXTHIS.COM

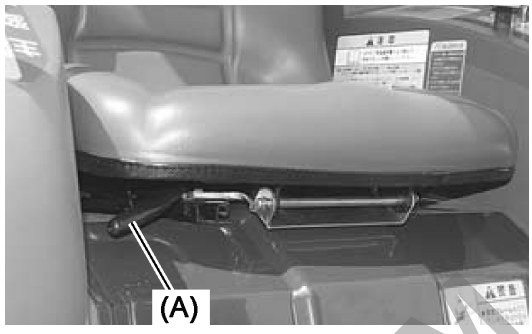
Download full manual at youfixthis.com

OTHERS

Seat adjust lever

It adjusts the operator's seat position in 5 steps to-and-fro.
Raise the lever and slide the seat forward or backward to desired position. Lower the lever to latch the seat.

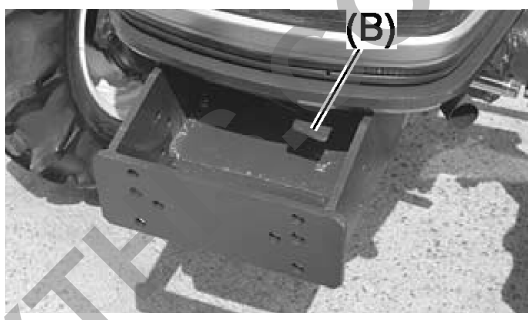
(A) Seat adjust lever



Opening bonnet

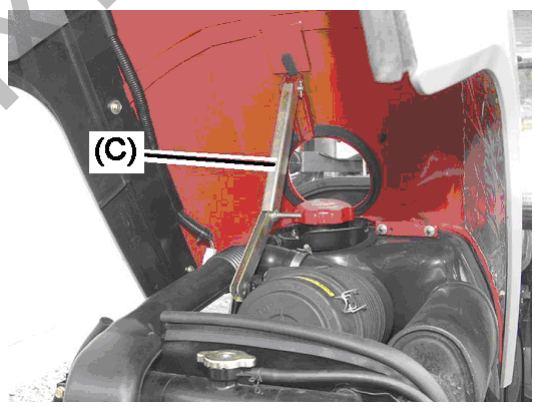
(1) Raise the lever to open bonnet.

(B) Bonnet open lever



(2) Raise the bonnet and hold it with bonnet stay

(C) Bonnet stay



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

17. Power steering

This tractor is equipped with hydrostatic powered steering system.

The hydraulic power assists steering works only when the engine is running. The steering wheel may become a little heavier at low engine speeds

WARNING

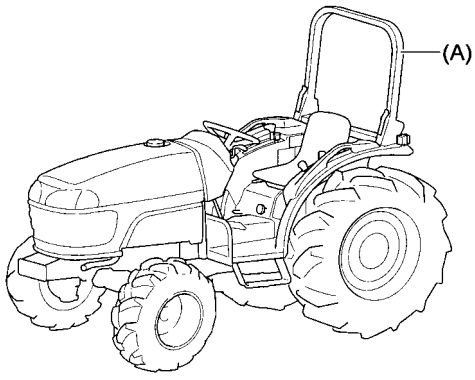
Whenever the engine is running, steering wheel turns with very light force. Avoid from abrupt steering or it may cause uncontrollable steering and may cause accident or injury.

IMPORTANT

1) When the steering wheel is turned to its end, the relief valve works and chirp sound comes out. If relief valve works in a short time, it is not a problem but long time work of valve may cause trouble in the hydraulic system.
2) When tractor dose not run, do not turn steering wheel as much as possible. It may cause damage on tires or rims.

18. Safety frame (ROPS) (Optional equipment)

The safety frame (ROPS, Roll Over Protect Structure) is designed to protect operator from an accident such overturn. It is suggested to install safety frame for safety operation. Please contact Yanmar tractor dealer nearby.



(A) Safety frame (Optional equipment)

WARNING

1) Do not modify the safety frame. Safety factor can be lost.
2) Be sure the safety frame is installed and tightened firmly. Check loosened bolt and nut and tightened if loosened.
3) Damaged frame should be replaced as a complete set. Partial repair may lead loss of safety level and it may cause serious injury or death.

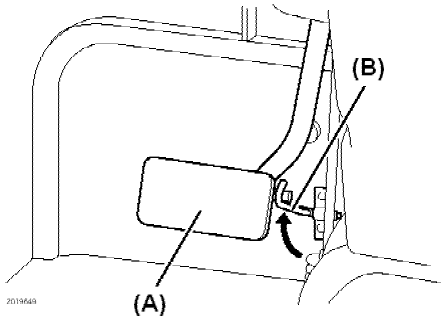
19. Tightening torque of bolts and nuts

Bolts and nuts being used on this tractor are of grade “7T” unless otherwise grade is not specified in this manual.
Tighten torques show on right table.

Bolt size (mm)	Grade 7T	
	(N·m)	(kgf-m)
M6	8 - 12	0.8 - 1.2
M8	23 - 30	2.3 - 3.0
M10	44 - 59	4.5 - 6.0
M12	78 - 98	8.0 - 10.0
M14	118 - 147	12.0 - 15.0
M16	167 - 206	17.0 - 21.0
M18	235 - 284	24.0 - 29.0
M20	323 - 402	33.0 - 41.0

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

(7) Depress clutch pedal and latch pedal lock.



(A) Clutch pedal
(B) Clutch pedal lock

CAUTION
If clutch pedal is not locked for storage, clutch disc may rust and stick to engine flywheel. Tractor may start unintentionally when start engine and may cause injury.

(8) Put blocks or stands under tractor to take weight off tires. Protect tires from heat and sunlight.

(9) Inflate the front and rear tires with air to the normal pressure.

	Size, (ply number)	kg/cm^2 (kPa)
Front tire	7-14, (4)	1.8 (180)
Rear tire	11.2-24, (4)	1.2 (120)



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 70 pages

The full manual includes:

- All 70 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Yanmar EF312T, EF352T Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual