



Count on it.

အမည်အတိုင်းဖော်ပြထားသည်

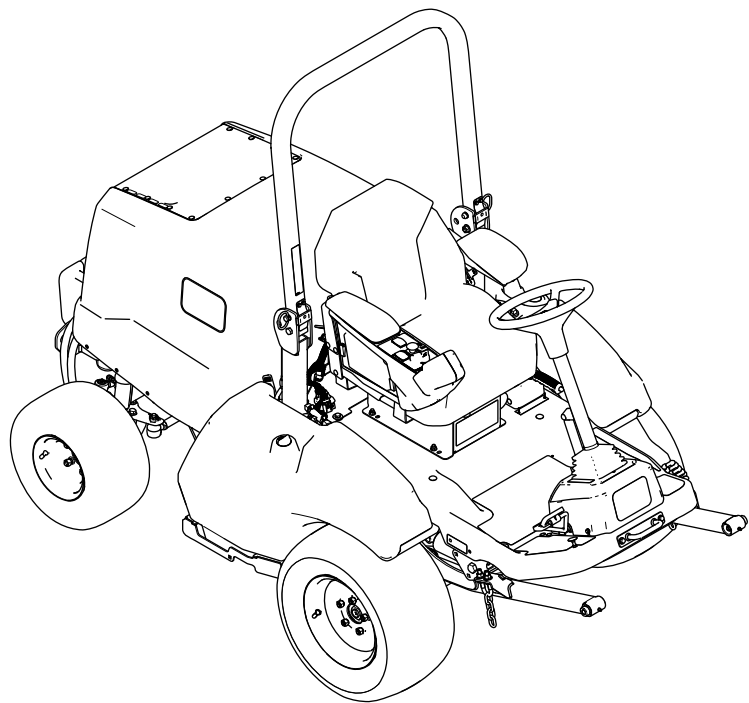
2 4 Groundsmaster® 3200, 3300 3310

31900—415000000

31901—415159846

31907—415000000

31909—415000000



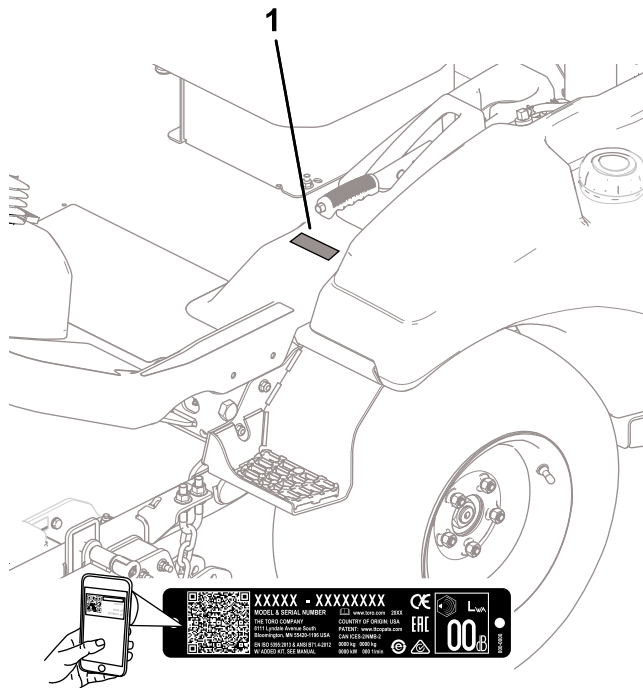
(EPA) , . .



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■ ■

∴, QR () , .



1

g299536

(2), , .



2

g000502

2 . .

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14	32
15	32
16 CE Kit	33
17	33
18	39
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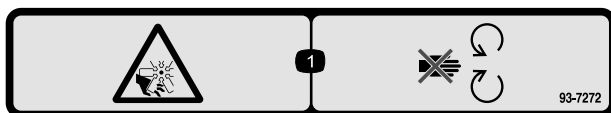
.....	58
.....	58
.....	59
PTO	60
Turnaround ().....	60
.....	60
.....	60
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.....	60
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.....	64
.....	65
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PTO	90
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PTO	99
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.....	110
.....	110



decalbatterysymbols

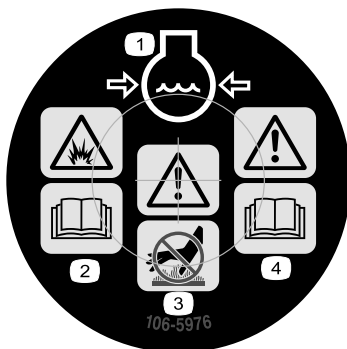
- | | |
|------|---------|
| 1. . | 6. . |
| 2. , | 7. — |
| 3. . | 8. . |
| 4. . | 9. . |
| 5. . | 10. ; . |



decal93-7272

93-7272

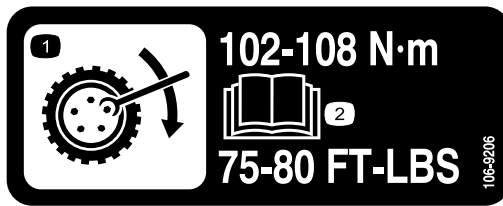
1. /; —.



decal106-5976

106-5976

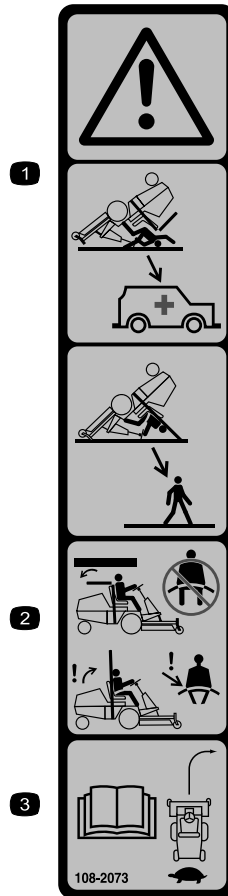
- | | |
|--------|--------|
| 1. . | 3. — . |
| 2. — . | 4. —. |



decal106-9206

106-9206

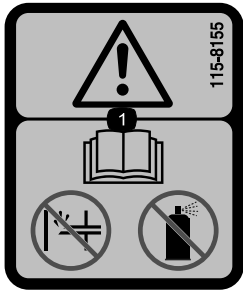
1. —
2. .



decal108-2073

108-2073

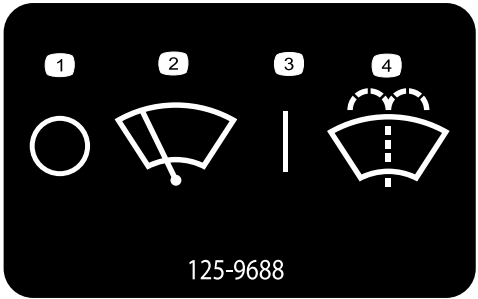
1. —.
2. , . , .
3. ; .



115-8155

decal115-8155

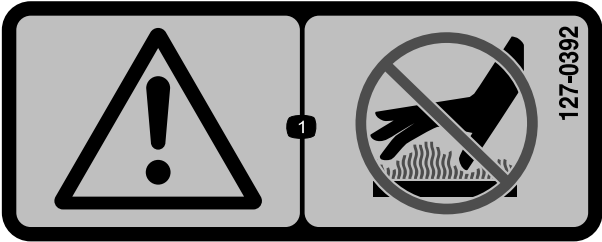
1. —; .



125-9688

decal125-9688

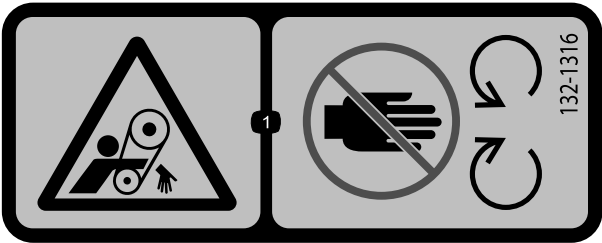
1.
2.
3.
4. .



127-0392

decal127-0392

1. —.



132-1316

decal132-1316

1. , —.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
For more information, please visit www.ticoCAProp65.com

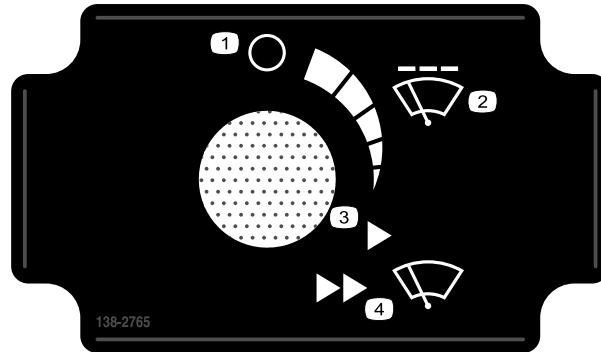
CALIFORNIA SPARK ARRESTER WARNING

Operation of this equipment may create sparks that can start fires around dry vegetation. A spark arrester may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

133-8062

133-8062

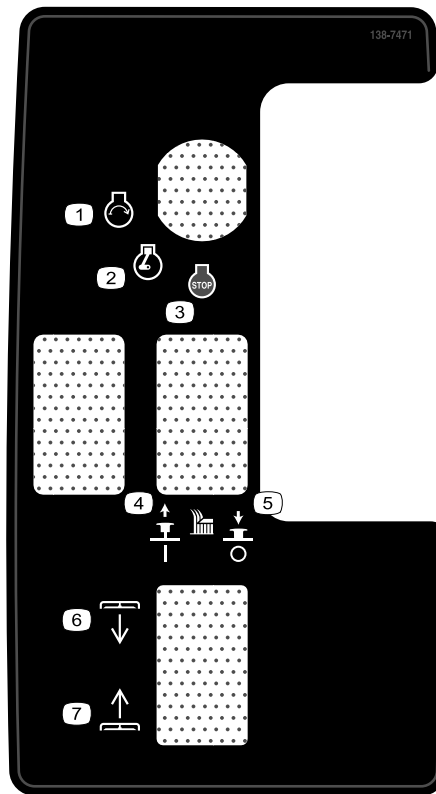
decal133-8062



138-2765

decal138-2765

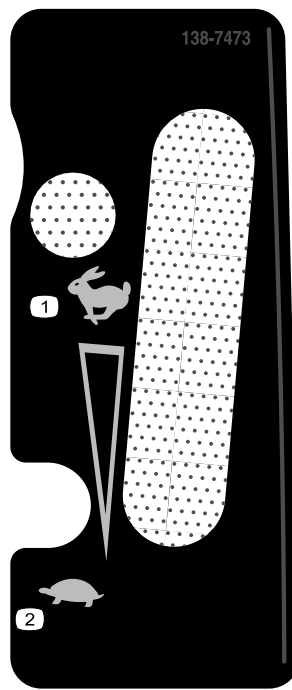
- | | |
|----|------|
| 1. | 3. — |
| 2. | 4. — |



138-7471

decal138-7471

- | | |
|------|------|
| 1. — | 5. . |
| 2. — | 6. — |
| 3. — | 7. — |
| 4. . | |

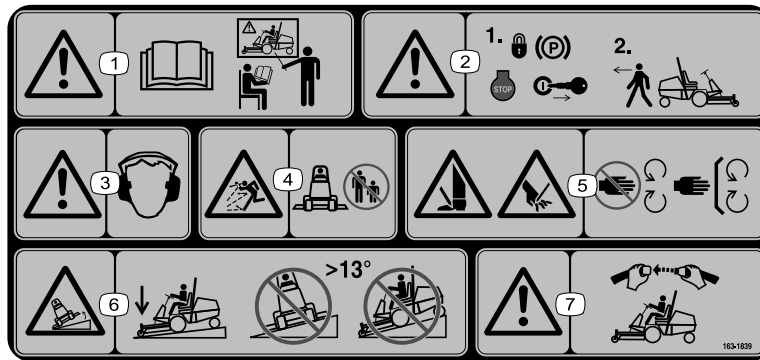


138-7473

decal138-7473

1.

2.



163-1839

decal163-1839

1. —; .

2. —, .

3. —.

4. —.

5. / —; .

6. — 13; 13 .

7. —.

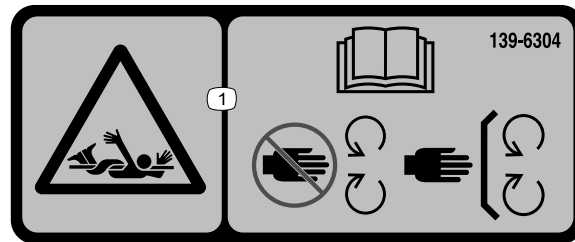


139-6224

decal139-6224

1. —

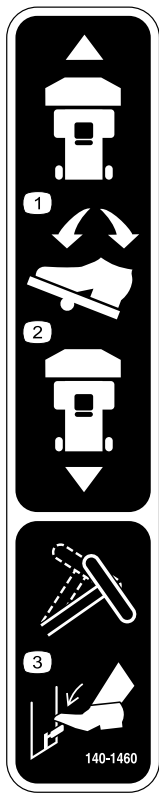
2. —



139-6304

decal139-6304

1. —; .

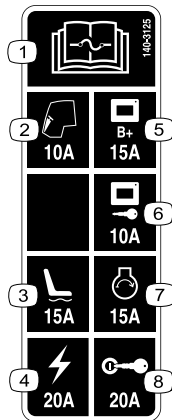


140-1460

decal140-1460

1. , .
2. , .

3. , .

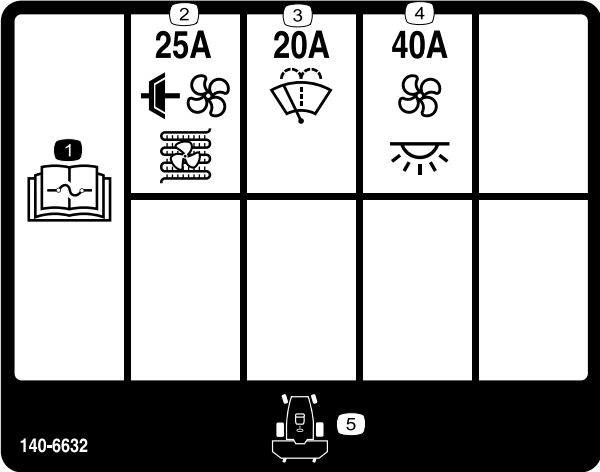


140-3125

decal140-3125

1. .
2. —10 A
3. —15 A
4. —20 A

5. —15 A
6. —10 A
7. —15 A
8. —20 A



decal140-6632

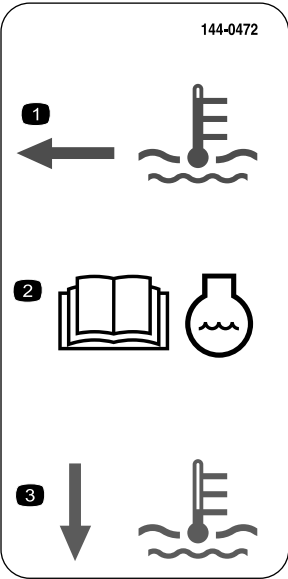
140-6632

1. .

2. A/C (25 A)

3. (20 A)
4. (40 A)

5.



decal144-0472

144-0472

1. .

2. .
3. .

1



CHECK/SERVICE

GM 3200 QUICK REFERENCE AID

1. OIL LEVELS (ENGINE / HYDRAULIC)

2. COOLANT LEVEL

3. TIRE PRESSURE (20psi)

4. BELTS (FAN & HYD.)

5. FUEL - DIESEL ONLY

6. BATTERY

7. GREASE, LUBE POINTS

8. HOOD SCREEN

9. AIR CLEANER

10. ELECTRIC CLUTCH GAP .012"-.024"

11. FUEL/WATER SEPARATOR

12. FUEL FILTER

13. HYDRAULIC OIL FILTER

14. ENGINE OIL FILTER

FLUID SPECIFICATIONS

*See operator's manual for initial changes.

	CAPACITY	*CHANGE INTERVALS
ENGINE OIL	3.6 QT. 2 ¹ / ₂ "	OIL & FILTER 500 HRS.
HYDRAULIC OIL	25 QT. (2WD) 31.5 QT. (4WD)	FILTER 1000 HRS.
FUEL	12 GAL.	FILTER 400 HRS.
COOLANT	7 QT.	1500 HRS.
DRIVESHAFT GREASE	PURGE	WEEKLY

FILTERS

AIR

FUEL

FUEL/WATER

HYD. OIL

ENGINE OIL

PART NO.

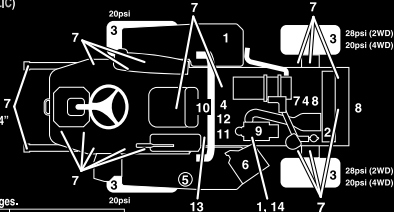
108-3811

134-3085

110-9049

86-3010

135-4181



decal144-0518

144-0518

1. .

1



CHECK/SERVICE

GM 3300/3310 QUICK REFERENCE AID

1. OIL LEVELS (ENGINE / HYDRAULIC)

2. COOLANT LEVEL

3. TIRE PRESSURE (20psi)

4. BELTS (FAN & HYD.)

5. FUEL - DIESEL ONLY

6. BATTERY

7. GREASE, LUBE POINTS

8. HOOD SCREEN

9. AIR CLEANER

10. ELECTRIC CLUTCH GAP .012"-.024"

11. FUEL/WATER SEPARATOR

12. FUEL FILTER

13. HYDRAULIC OIL FILTER

14. ENGINE OIL FILTER

FLUID SPECIFICATIONS

*See operator's manual for initial changes.

	CAPACITY	*CHANGE INTERVALS
ENGINE OIL	7 QT. 7 ¹ / ₂ "	OIL & FILTER 500 HRS.
HYDRAULIC OIL	31.5 QT.	FILTER 1000 HRS.
FUEL	12 GAL.	FILTER 400 HRS.
COOLANT	7.25 QT.	1500 HRS.
DRIVESHAFT GREASE	PURGE	WEEKLY

FILTERS

AIR

FUEL

FUEL/WATER

HYD. OIL

ENGINE OIL

PART NO.

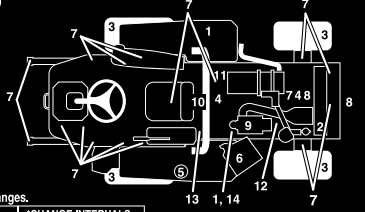
108-3810

144-0453

125-2915

86-3010

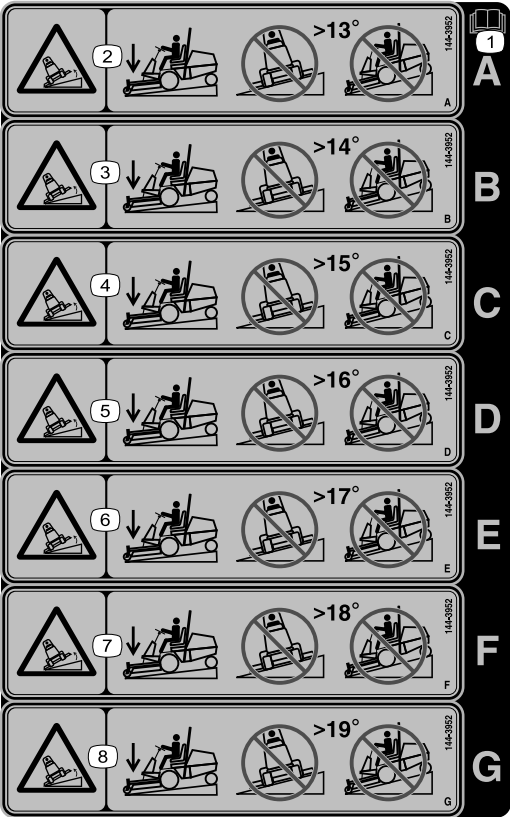
144-0607



decal144-3950

144-3950

1. .

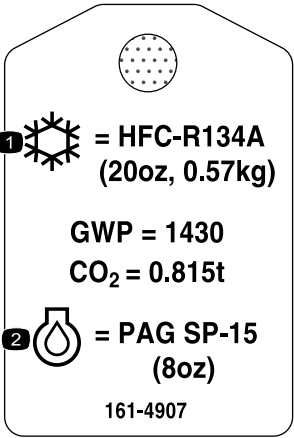


144-3952

decal144-3952

1. . . .

- | | |
|----------------|----------------|
| 1. . | 5. — 16 ; 16 . |
| 2. — 13 ; 13 . | 6. — 17 ; 17 . |
| 3. — 14 ; 14 . | 7. — 18 ; 18 . |
| 4. — 15 ; 15 . | 8. — 19 ; 19 . |



161-4907

decal161-4907

- | | |
|----|----|
| 1. | 2. |
|----|----|

1		–	(31900, 31901 31907).
2	(2) (2) ($\frac{5}{8}$ x 1- $\frac{1}{4}$) (2) (2) (4)	2 2 2 2 2 8	(31900, 31901 31907).
3		–	(31900, 31901 31907).
4	($\frac{3}{8}$ x 2- $\frac{3}{4}$) ($\frac{3}{8}$) ($\frac{3}{8}$ x 1- $\frac{1}{4}$)	1 1 2 2 6 2 1 2 2 2	(31900, 31901 31907).
5		–	(31900, 31901 31907)
6	($\frac{3}{8}$ x 3- $\frac{1}{4}$) ($\frac{3}{8}$)	1 2 2	(31900, 31901 31907).
7	(, Toro)	1	(31900, 31901 31907)
8		1 1	(31900, 31901 31907)
9	(144-0512)	1	(31907 31909).
10	($\frac{3}{8}$ x 3) ($\frac{3}{8}$ x 3- $\frac{1}{4}$) ($\frac{3}{8}$)	1 2 4 6	(31900, 31901 31907)
11		–	(31900, 31901 31907).
12		–	(31900, 31901 31907)
13	(, Toro) ($\frac{3}{8}$) ($\frac{3}{8}$) ($\frac{3}{8}$)	1 2 2 2	.

14		—	.
15		—	.
16	CE Kit (, Toro)	1	CE Kit (CE).
17	—19 (42) □ —6 (15) □ () —11 (25) □	1	().
18		—	().

1

31900, 31901 31907

1. .
2. .
3. .
4. ; (55).
5. .
6. .
7. 2 (68).
8. .

31900, 31901 31907

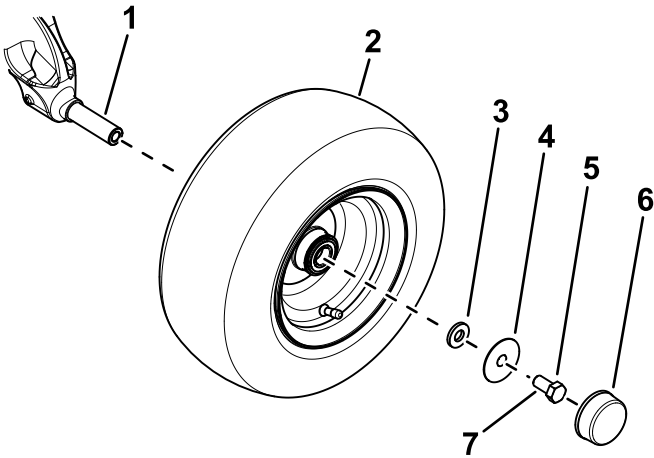
:

2	
2	(2)
2	(2)
2	($\frac{5}{8}$ x 1- $\frac{1}{4}$) (2)
2	(2)
8	(4)

1. .
2. ($\frac{5}{8}$ x 1- $\frac{1}{4}$) 2 .
3. :
 - 2 :

A. ($\frac{5}{8}$ x 1- $\frac{1}{4}$).

B. , , ($\frac{5}{8}$ x 1- $\frac{1}{4}$) (3).

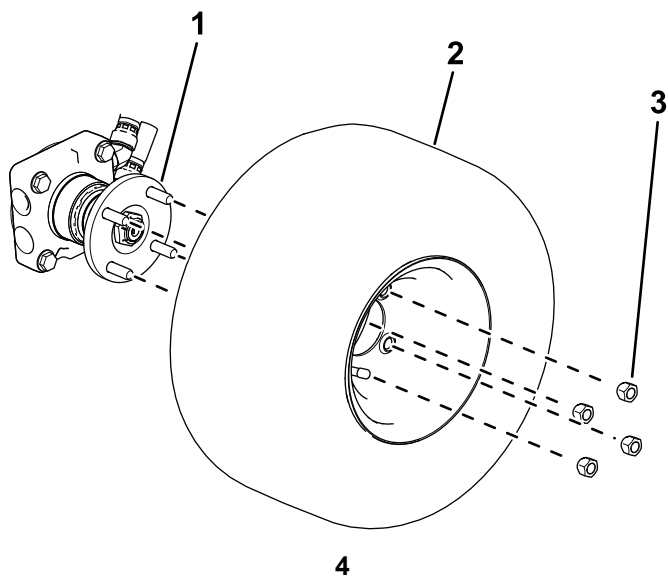


g312833

1.
2.
3.
4.
5. ($\frac{5}{8}$ x 1- $\frac{1}{4}$)
6.
7. .

- C. 203 N·m (150 ft-lb).
- D. (3).

- 4 : 4 (4).



g299549

- 1.
- 2.

3.

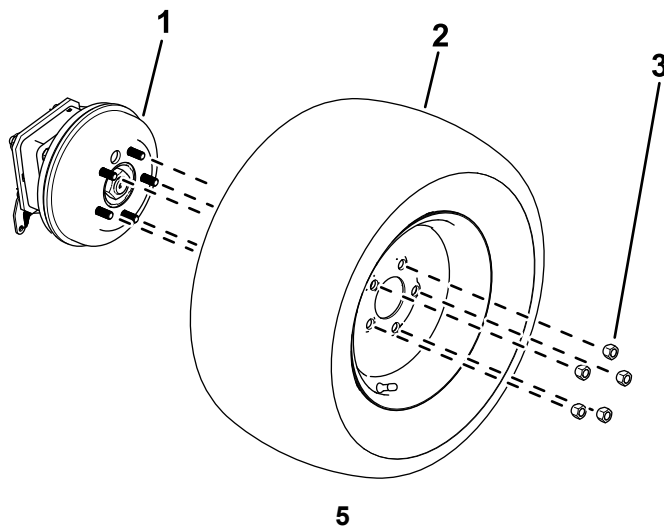
4. ; (89).

3

31900, 31901 31907

∴.

1. (12).



g299550

- 1.
 - 2.
- 3.

2. (12).

4

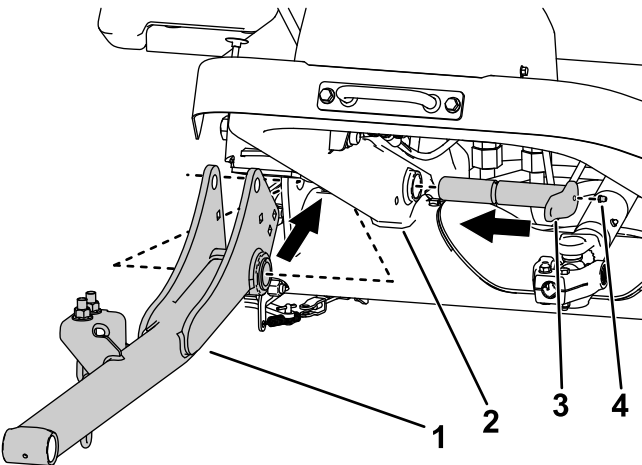
31900, 31901 31907

:

1	
1	
2	
2	($\frac{3}{8}$ X 2- $\frac{3}{4}$)
6	($\frac{3}{8}$)
2	
1	
2	
2	($\frac{3}{8}$ X 1- $\frac{1}{4}$)
2	

∴.

1. .
2. 2 (6).

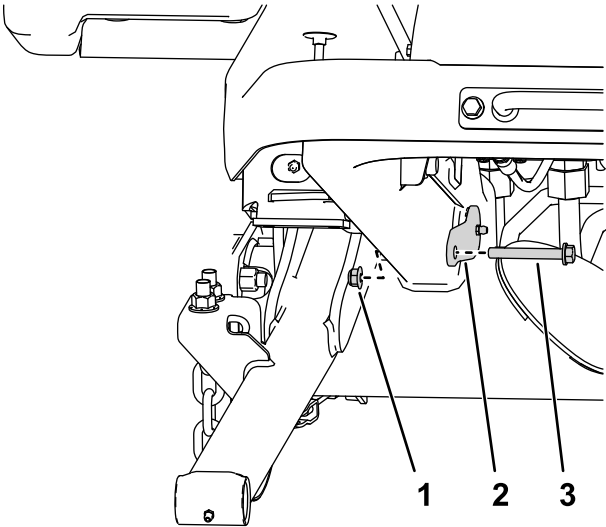


g312023

6

- | | |
|----|----|
| 1. | 3. |
| 2. | 4. |

3. (6).
4. 2 ($\frac{3}{8}$) 2 ($\frac{3}{8} \times 2\text{-}\frac{3}{4}$) (7).

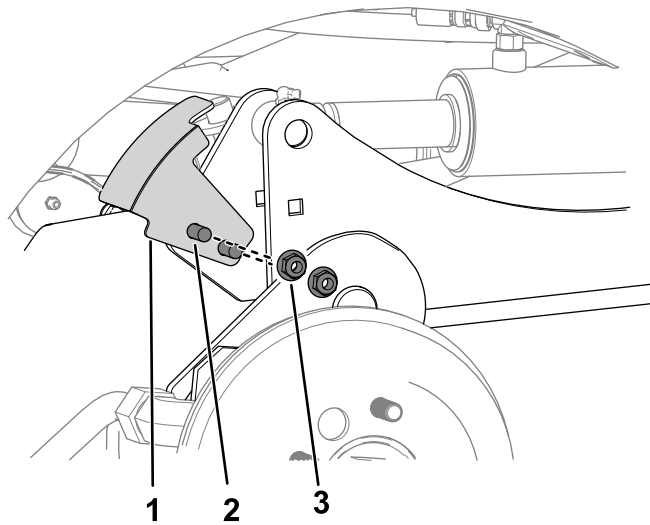


g295767

7

- | | |
|----|----|
| 1. | 3. |
| 2. | |

5. 2 2 ($\frac{3}{8}$) (8).
- ∴



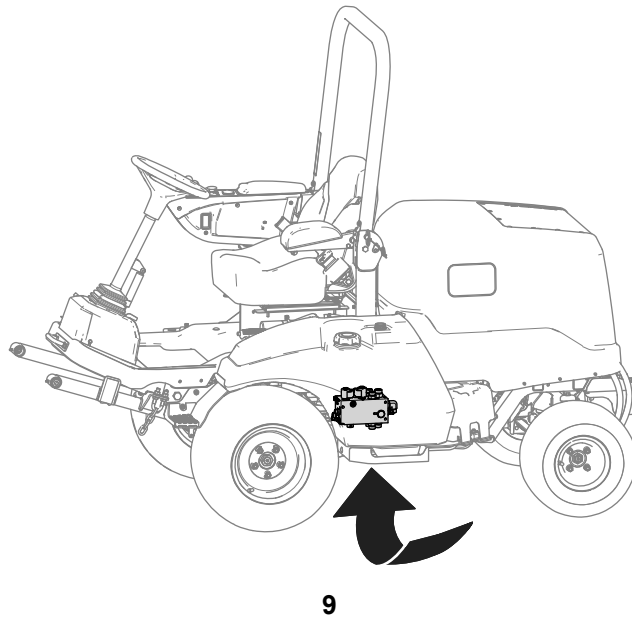
g312028

- 1.
- 2.
3. ($\frac{3}{8}$)

6. :

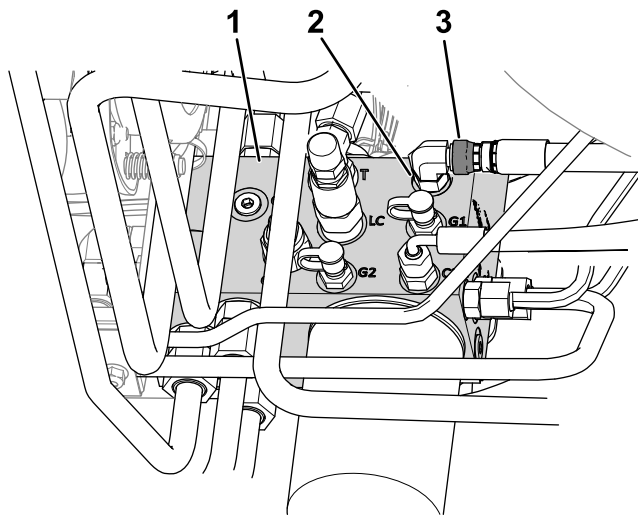
A. (9).

∴.



g299920

B. C1 (10).



10

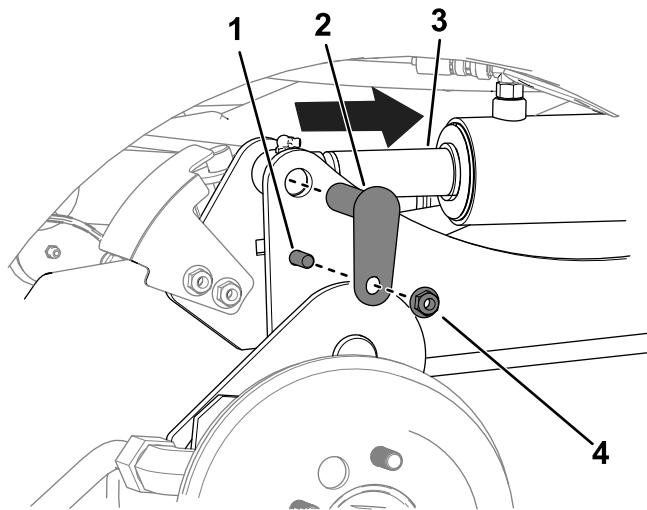
g312025

- 1.
2. C1

3.

C. (11).

∴



11

g312026

1. ($\frac{3}{8}$ x 1- $\frac{1}{4}$)
- 2.

3.

4. ($\frac{3}{8}$)

D. 2 ($\frac{3}{8}$ x 1- $\frac{1}{4}$), 2 ($\frac{3}{8}$) 2 (11).

E. C1 41 N·m (30 ft-lb).

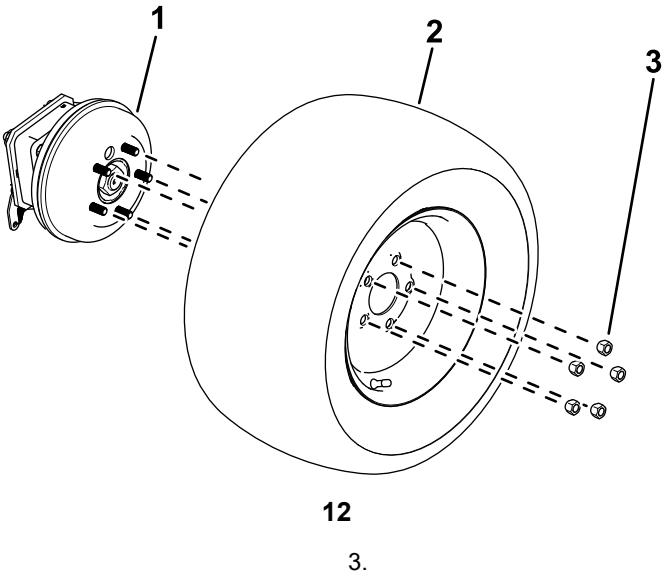
∴

7. , (71).

5

31900, 31901 31907

1. (12).



g299550

1.
2.
3.

2. ; (89).

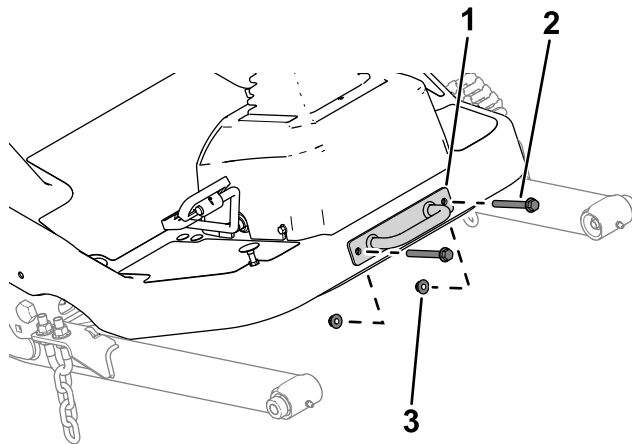
6

31900, 31901 31907

:

1	
2	($\frac{3}{8}$ x 3- $\frac{1}{4}$)
2	($\frac{3}{8}$)

2 ($\frac{3}{8}$ x 3- $\frac{1}{4}$) 2 ($\frac{3}{8}$) (13).



g299562

- 1.
- 2.

3.

7

31900, 31901 31907

:

1	(, Toro)
---	-----------

, .

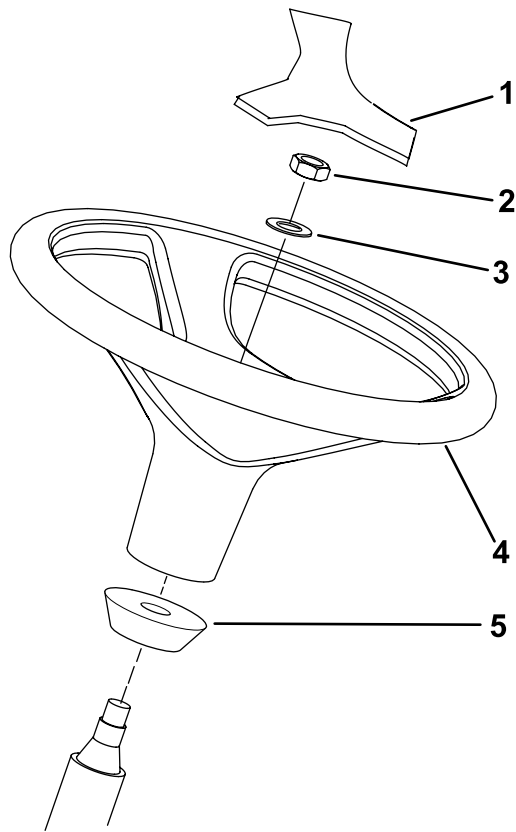
8

31900, 31901 31907

:

1	
1	

- 1. (14).



g307379

14

- | | |
|----|----|
| 1. | 4. |
| 2. | 5. |
| 3. | |

2. .
- : (14).
3. (14).
4. . 27 35 N·m (20 26 ft-lb).
5. (14).

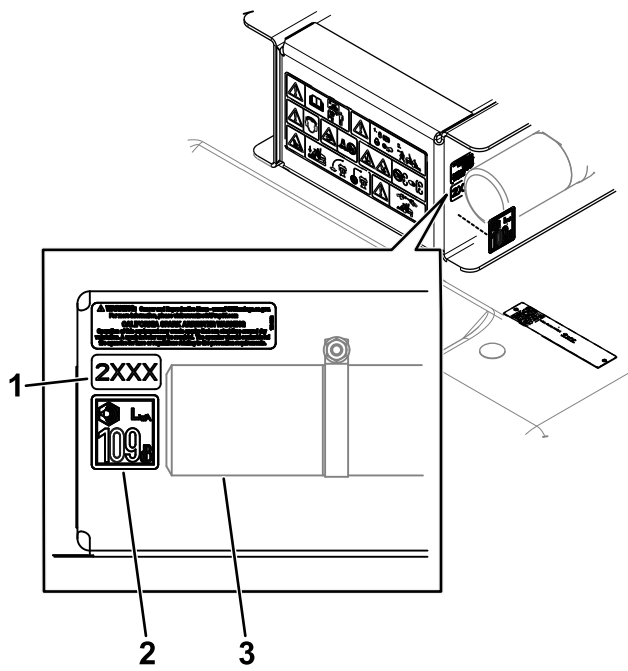
9

31907 31909

:

1	(144-0512)
---	-------------

31907 31909, (144-0512) 15.



15

g353549

1.
2.
3.

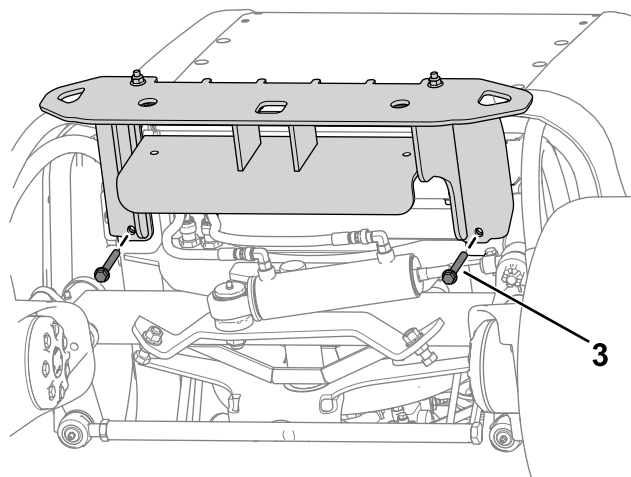
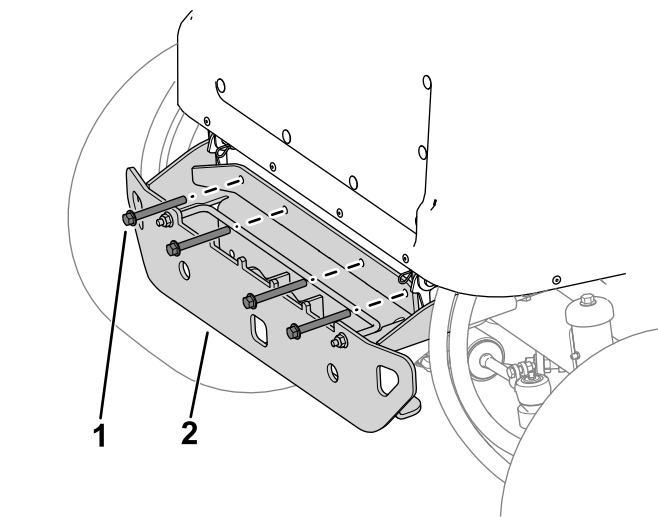
10

31900, 31901 31907

:

1	
2	($\frac{3}{8}$ x 3)
4	($\frac{3}{8}$ x 3- $\frac{1}{4}$)
6	($\frac{3}{8}$)

1. .
2. 4 ($\frac{3}{8}$ x 3- $\frac{1}{4}$) 4 ($\frac{3}{8}$) 16.



g302775

16

1. ($\frac{3}{8}$ x 3- $\frac{1}{4}$)
- 2.

3. ($\frac{3}{8}$ x 3)

3. 2 ($\frac{3}{8}$ x 3) 2 ($\frac{3}{8}$) **16**.
4. .

11

31900, 31901 31907

; (55).

12

31900, 31901 31907

; (85).

13

:

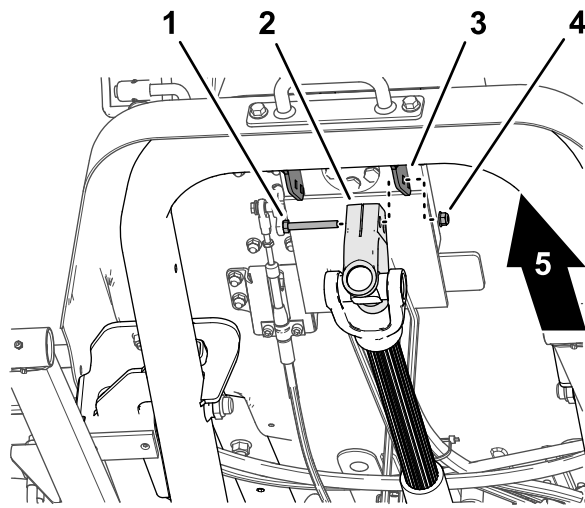
1	(, Toro)
2	(³ / ₈)
2	(³ / ₈)
2	(³ / ₈)

: , Toro .

(: , , ,); .

1. , (17) .

: .



g340623

17

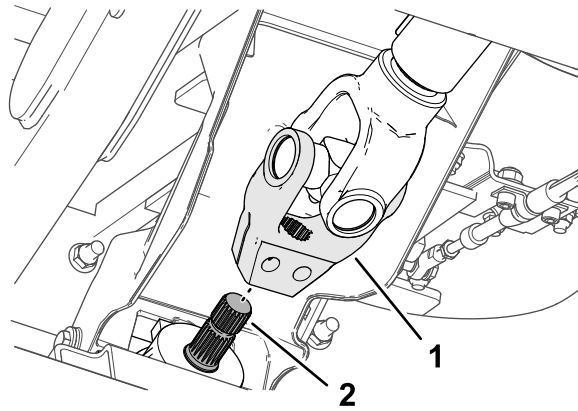
- 1.
- 2.
- 3.
- 4.
- 5.

2. PTO ; PTO (90).

3. , .

4. .

5. (18) .

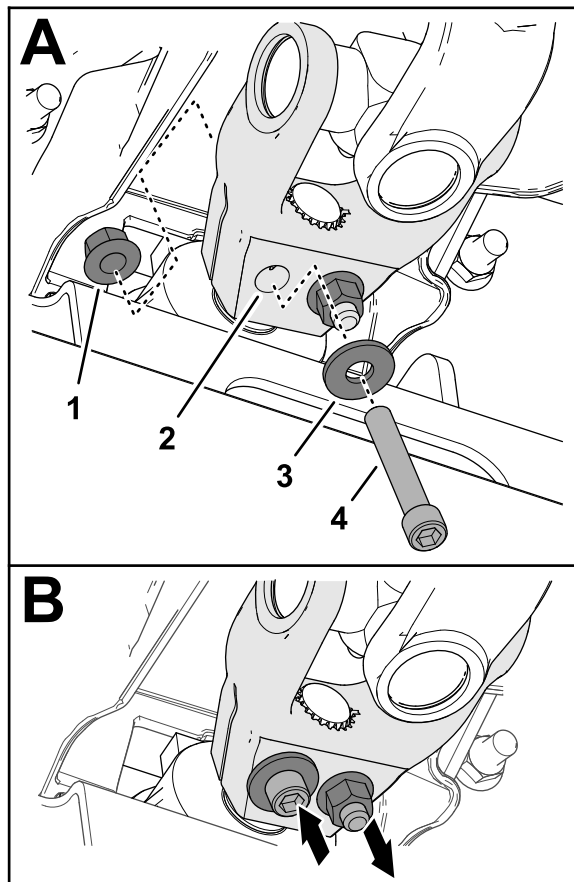


g340624

18

- 1.
- 2.

6. ($\frac{3}{8} \times 2\frac{1}{4}$) ($\frac{3}{8}$) (19) ($\frac{3}{8}$).



g340626

19

- | | |
|----------------------|---|
| 1. ($\frac{3}{8}$) | 3. ($\frac{3}{8}$) |
| 2. | 4. ($\frac{3}{8}$ x 2- $\frac{1}{4}$) |

-
7. ($\frac{3}{8}$ x 2- $\frac{1}{4}$) ($\frac{3}{8}$) (**19**) ($\frac{3}{8}$).
8. 61 N·m (45 ft-lb) .

14

- , :
- , (**73**).
 - ; (**91**).
 - , (**102**).

15

; (51).
:
...

16

CE Kit

:

1	CE Kit (, Toro)
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CE, CE Kit; .

17

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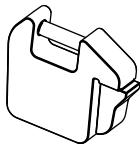
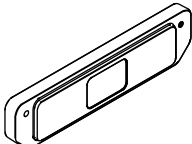
	—19 (42) □
	—6 (15) □
1	()
	—11 (25) □

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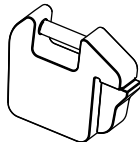
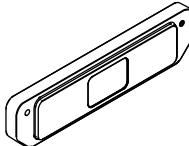
31900	2 (19 42)
31901	1 (19 42)
31907	0
31909	5 (19 42) 2 (6 15)

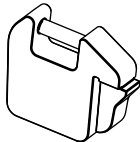
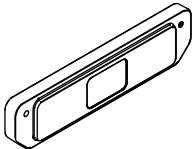
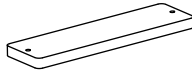
- . 31900, 31901 31907, .
- , (35).
 - , (37).
- ROPS , .

: CE Kit , . (:).

		19 (42)	6 (15)	11 (25)	
					
31900	31970, 31971, 31974	2	0	0	2
	31970, 31971, 31974	3	0	0	3
	31972, 31973, 31975	3	0	0	3
	31972, 31973, 31975	4	0	0	4
	02835	4	0	0	4
	02835	5	0	0	5
	M-B	4	0	0	4
	MSC23345 31990*	5	2	0	7
	M-B 31990*	5	2	3	10
	Erskine 31990*	5	2	2	9
31901	31970, 31971, 31974	1	0	0	1
	31970, 31971, 31974	2	0	0	2
	31972, 31973, 31975	2	0	0	2
	31972, 31973, 31975	3	0	0	3
	02835	3	0	0	3
	02835	3	0	0	3
	M-B	4	0	0	4
	MSC23345 31990*	5	0	0	5
	M-B 31990*	5	2	3	10
	Erskine 31990*	5	2	2	9
31907	31970, 31971	0	0	0	0
	31970, 31971	0	0	0	0
	31972, 31973	1	0	0	1
	31972, 31973	2	0	0	2
	02835	1	0	0	1
	02835	2	0	0	2
	M-B	1	0	0	1
	MSC23345 31990*	5	2	0	7
	M-B 31990*				
	Erskine 31990*				

(cont'd.)

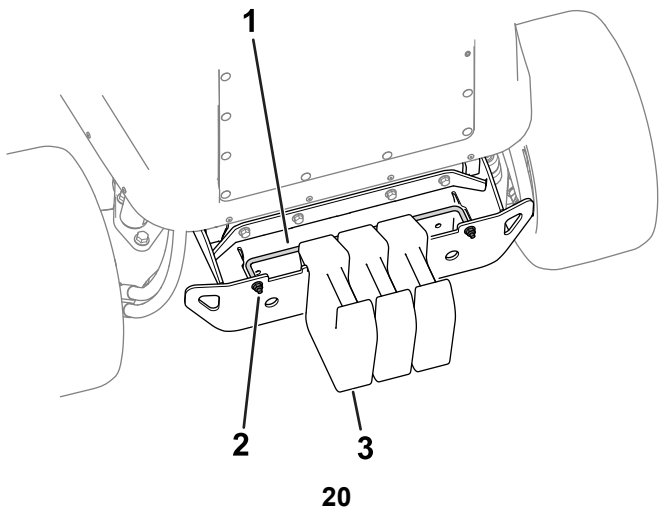
		19 (42)	6 (15)	11 (25)	
					
31909	31970, 31971	5	2	0	7
	31972, 31973				
	02835				
	MSC23345				
	M-B				
	Erskine				
* 31990 . (:).					

		19 (42)	6 (15)	11 (25)	
					
31900	31970, 31971, 31974	5	0	0	5
	31970, 31971, 31974	5	0		5
	31972, 31973, 31975	5	0		5
	31972, 31973, 31975	5	0		5
	02835	5	0		5
	02835	5	2		7
31901	31970, 31971, 31974	5	2	0	7
	31970, 31971, 31974	5	0		5
	31972	5	0		5
	31973, 31975	5	2		7
	31972, 31973, 31975	5	0		5
	02835	5	2		7
	02835	5	2		7
31907	31970, 31971	5	2	0	7
	31970, 31971	4	0		4
	31972, 31973	5	0		5
	31972, 31973	3	0		3
	02835	3	2		5
	02835	2	0		2

, Toro :

19 (42)

1. .



g299565

1.
2.
3. —19 (42)

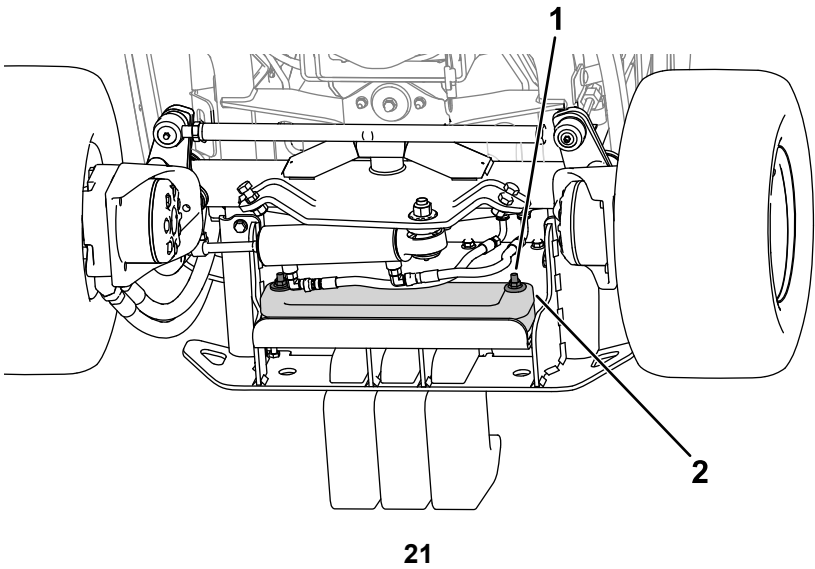
2. .
3. .

6 (15)

1. Toro :

($\frac{3}{8}$ x 3- $\frac{1}{2}$)	2	116-4701
	2	125-9676
($\frac{3}{8}$)	2	104-8301

2. (21).



g324822

1.
2. —6 (15)

11 (25)

/ 2 (11 25) :

- 1. Toro (144-0480).
- 2. , .

/ 2 (11 25) : [: 31900 MSC23345 31990]

1. Toro :

($\frac{3}{8}$ x 4)	2	323-16
($\frac{3}{8}$)	2	3256-3
(11 25)	1	144-0484-03
(2)	1	144-0480

2. :

: 22 .

• :

A. ($\frac{3}{8}$ x 4) ($\frac{3}{8}$) 3 (22).

B. () (22).

• :

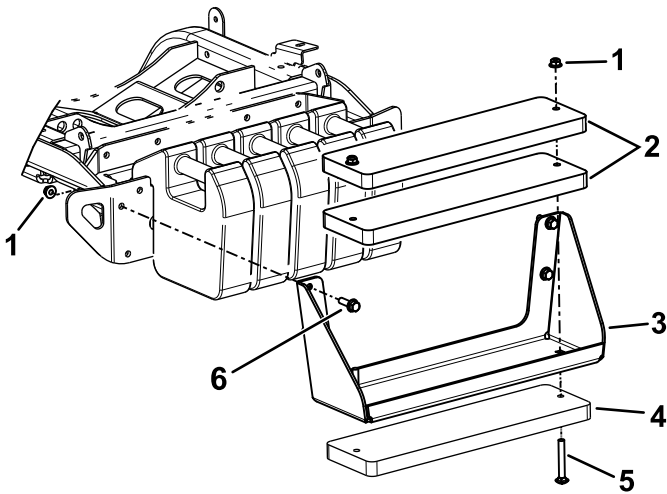
A. (22).

.

B. .

C. ($\frac{3}{8}$ x 4) ($\frac{3}{8}$) 3 (22).

D. (22).



22

g331756

- 1. (3256-3)
- 2. ()
- 3.

- 4.
- 5. (323-16)
- 6. ()

(: ,).

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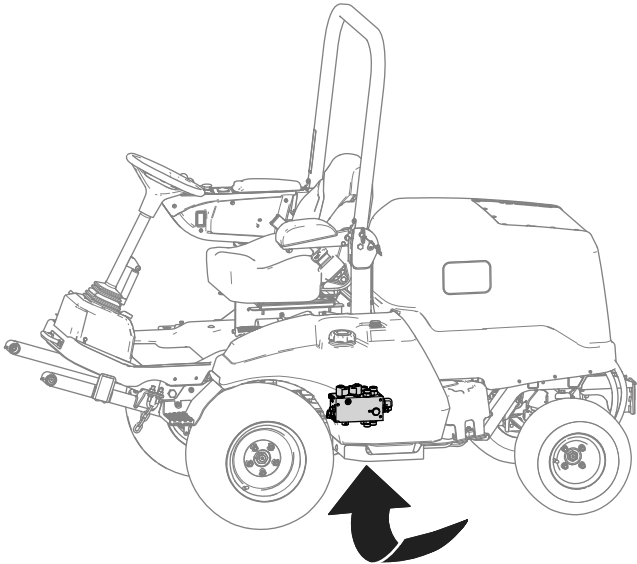
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1. 10 .

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2. , , , .

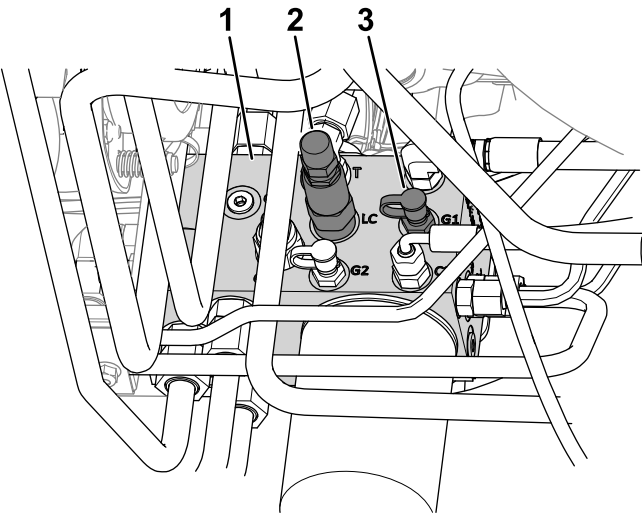
3. (23).



23

g299920

4. (G1; 24).



g299924

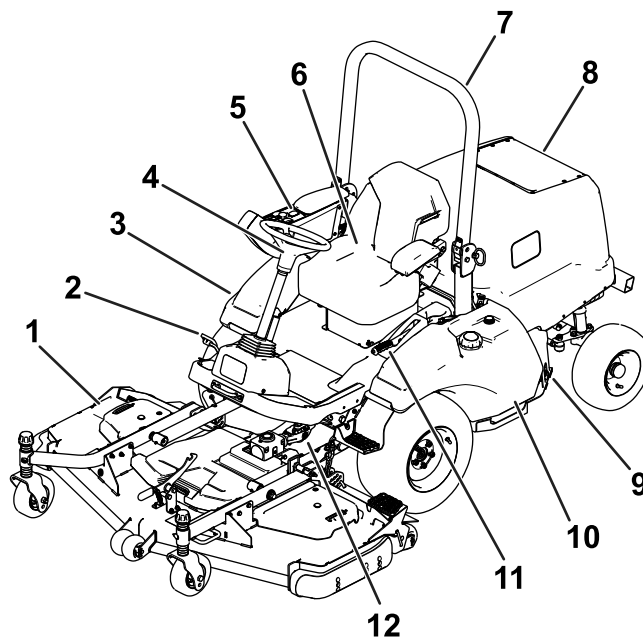
24

1.
2. (LC)
3. (G1)

5. , (G1; 24).
6. (LC; 24).
7. , .
8. , .
 - .
 - .

	17.24 bar (250 psi)
(02835)	13.79 bar (200 psi)
	17.24 bar (250 psi)
(MSC23345)	13.79 bar (200 psi)
(1.5 5)	17.24 bar (250 psi)

9. .
10. 13 16 N·m (10 12 ft-lb).
11. .
12. .



25

g219621

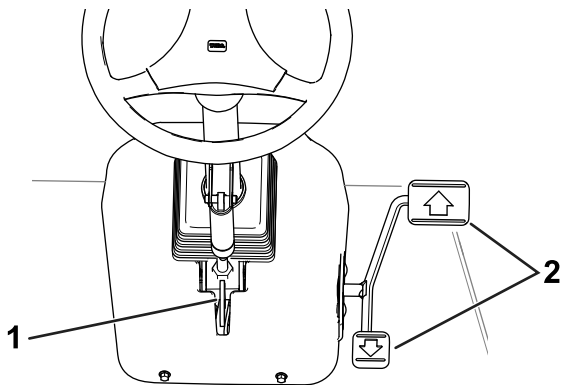
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| 2. | 8. / |
| 3. | 9. |
| 4. | 10. |
| 5. | 11. |
| 6. | 12. PTO |

∴ .
(26) .

- ∴ .
- ∴ .

∴ .
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- 31900 31901: 21 / (13)
 - 31907 31909: 24 / (15)
- , (rpm) . , .



26

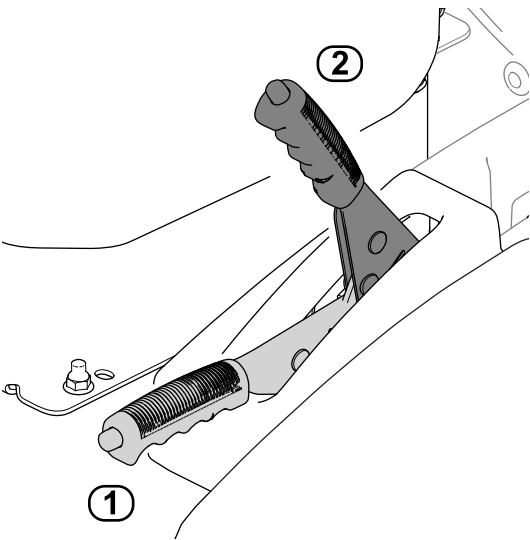
g219608

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2.

, (26) . .

, (16) .

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27

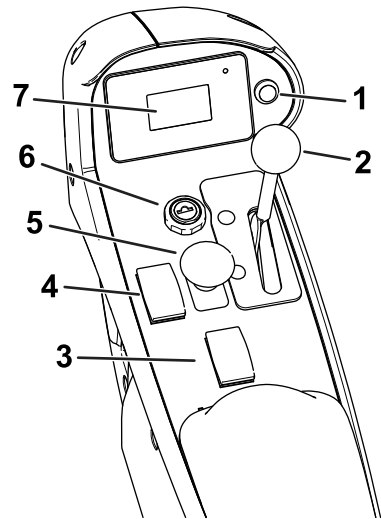
g219574

1.

2.

- : .
- : , .

(28).



g300409

28

1.

2.

3.

4.
5. PTO

6.

7.

(:) (:).

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PTO

- PTO: .
- PTO: .

PTO PTO (.

: PTO , , PTO (60).

3 : , / .

[. (59) (60)] [(56)].

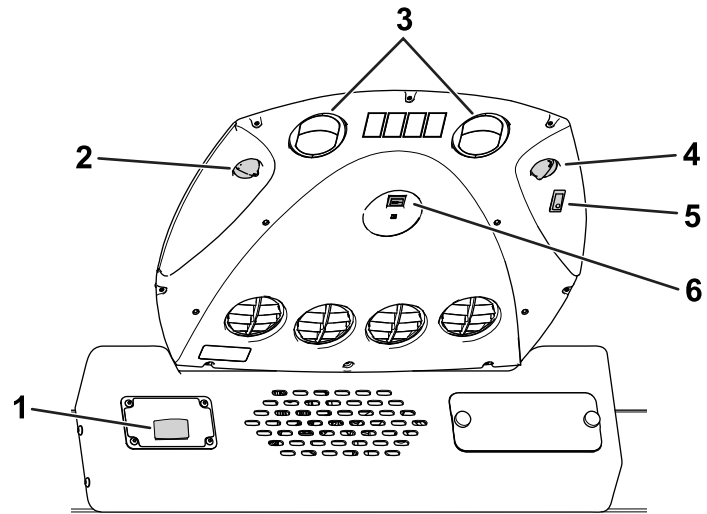
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(56) .

(56).



g320790

29

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| 1. | 4. |
| 2. | 5. |
| 3. | 6. |

(29) .

(29) .

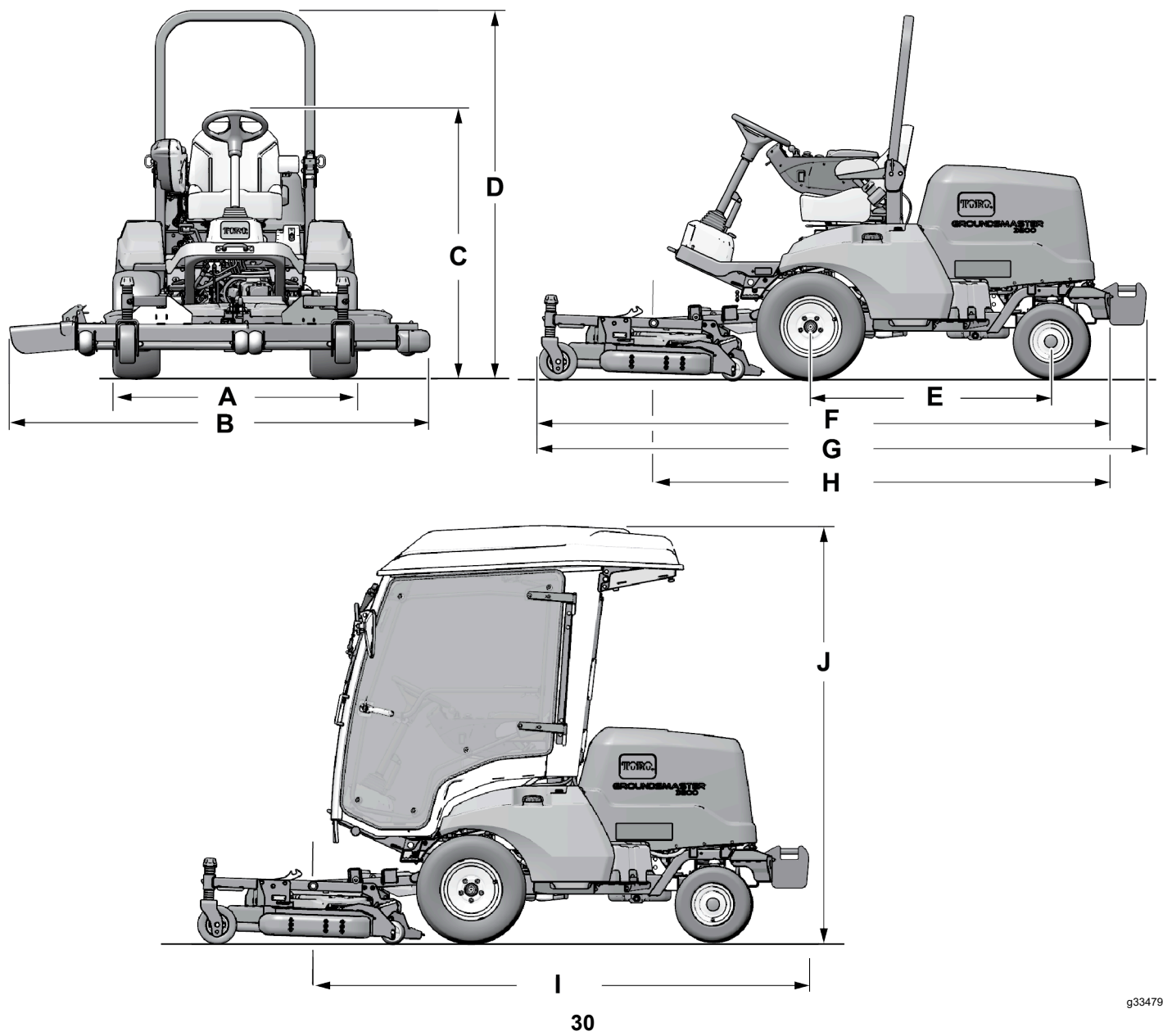
(29) .

(29) .

(29) . .

(29) .

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g334796

		30	
		D	200 (79)
		C	111 (44)
(31909)		J	226 (89)
() [31900, 31901 31909]		G	332 (131)
		I	272 (107)
() [31907]		F	312 (123)
		H	253 (99.5)
()		B	(49).
		E	132 (52)
	31900 31901	A	132 (52)
	31907 31909		136 (53.5)
	31900		122 (48)
	31901, 31907 31909		128 (50)
	31900 31901		20 (7.9)
	31907 31909		21 (8-5/16)
	31900		794 (1,751)
	31901		792 (1,747)
	31907		836 (1,843)
	31909		1,106 (2,439)

:

31970	198 (78)
31971	168 (66)
31972	228 (90)
31973	198 (78)
31974	158 (62)
31975	188 (74)
02835 ()	218 (86)

/

Toro . Toro www.Toro.com .
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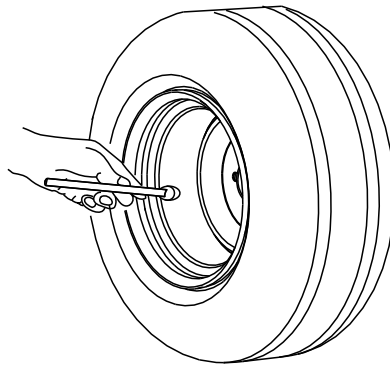
- :
- ; (77)
 - ; (73)
 - ; (91)
 - ; (93)
 - ; (102)
 - **PTO-**; (71)

- :
- **(2):**
 - : 1.38 bar (20 psi)
 - : 1.93 bar (28 psi)
 - **(4):** 1.38 bar (20 psi)



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G001055

g001055

31

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： (<500 ppm) (<15 ppm)
(2-D) -7°C (20°F) (1-D 1-D/2-D) .

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-7°C (20°F) .

B20 (20%, 80%).

： (<15 ppm)

： ASTM D6751 EN14214

： ASTM D975, EN590 JIS K2204

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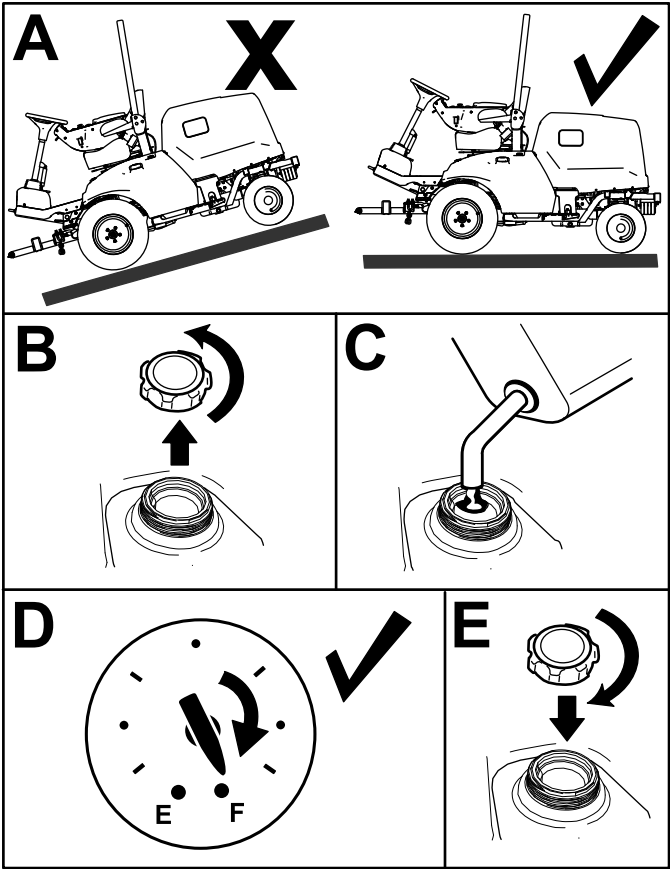
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• B5 (5%) .
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: 45 (12)

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1. ([32](#)), ,
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4. .



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- PTO .
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1. PTO .
 2. . , 3.
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3. , PTO . 2 . , 4.
- ∴, - **Toro** .
4. PTO , . 2 . , 5.
- ∴, - **Toro** .
5. . PTO , . 2 . , , .
- ∴, - **Toro** .

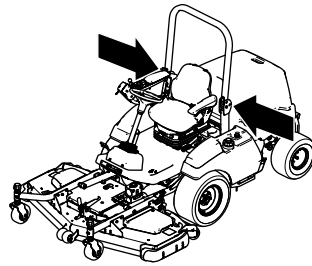


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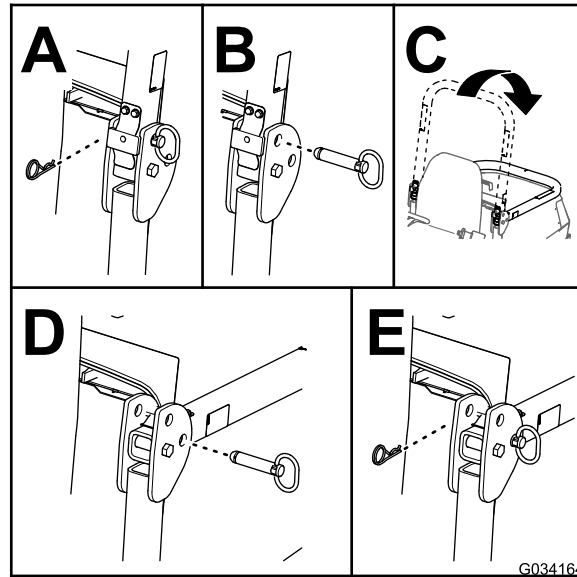


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1. , , , .
 2. (33).
 3. (33).



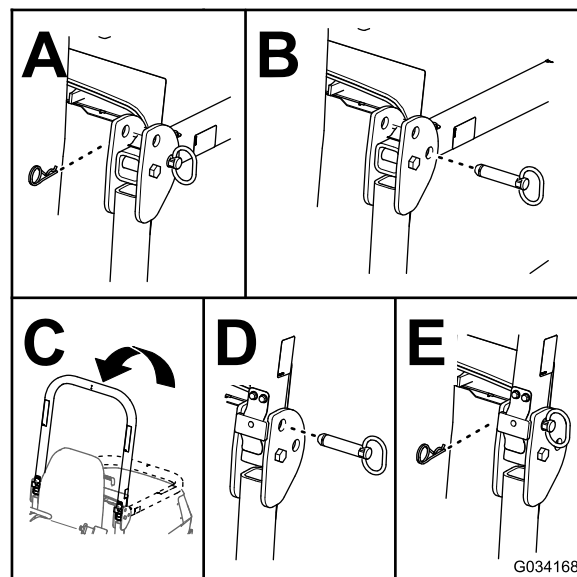
g257846



g034164

33

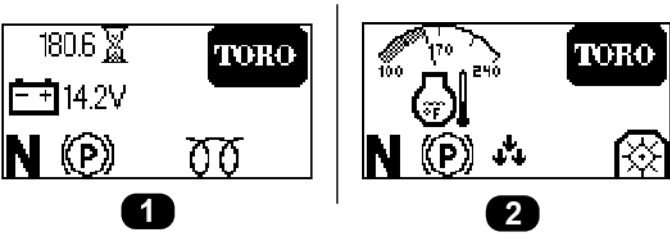
1. , , , .
2. (34).
3. (34).



g034168

34

: , . 2 (35) .

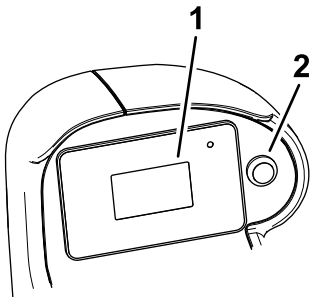


35

g308751

1.
2.

(36) 2 .



36

g297898

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2.

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- (:) .
- (:) : .
- : .

Main Menu ()

Faults ()	. Toro .
SERVICE ()	: . Service () (56) .
DIAGNOSTICS ()	. , / (:) .
SETTINGS ()	InfoCenter. Settings () (56) .
ABOUT ()	, . About () (57) .

Service ()

HOURS ()	, PTO .
COUNTS ()	PTO .

Settings ()

Settings () (cont'd.)

UNITS ()	. .
LANGUAGE ()	.
BACKLIGHT ()	.
CONTRAST ()	.
PROTECTED MENUS ()	PIN (:).
PROTECT SETTINGS ()	, PIN.
TURNAROUND () 	Turnaround ().
SLOPE SENSOR INSTALLED () 	. , .

 Protected Menus (— PIN

Diagnostics ()

DECK ()	/.
PTO	PTO .
ENGINE ()	/.

About ()

	.
SN ()	.
S/W REV ()	.

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N	
	PTO

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	PTO
	
	
PIN	PIN
	
	

- : PIN “1234”.
- PIN , Toro .
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- PIN , PIN .

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1. **31900 31901:** , [59](#) (81).
 2. .

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4. .
5. 10 .
6. , 15 .
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7. .

PTO

: PTO , .

PTO :

1. PTO .
2. , . (59).
3. PTO .

Turnaround ()

turnaround () (02835).

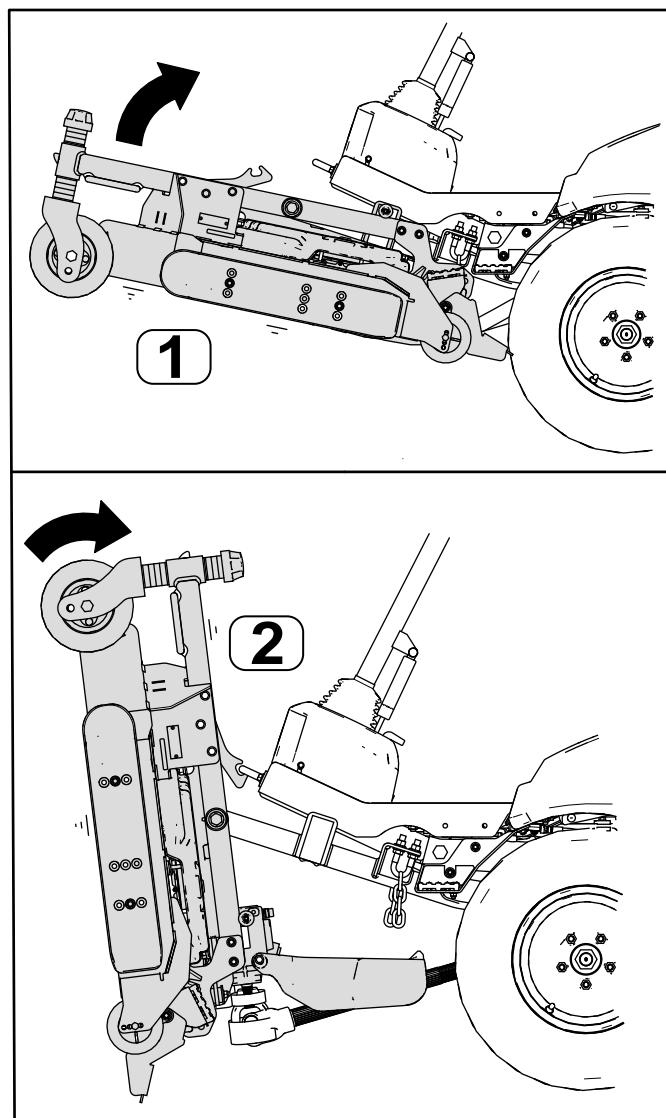
Turnaround () .

OPERATING (), . , .

1. .
2. PTO .
3. .

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(A 37) (B 37) . , .



37

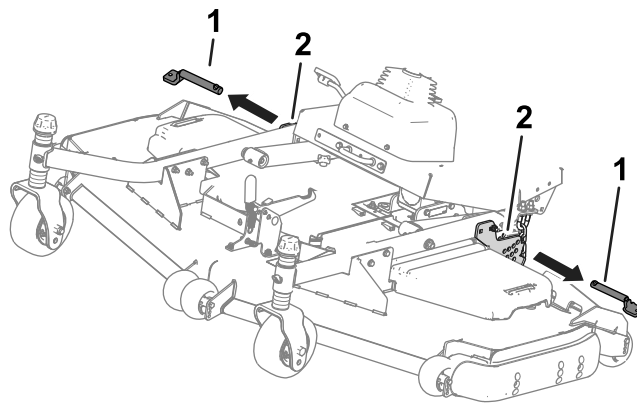
g258473

1.

2.



1. .
2. .
3. , .
4. (38).



g258474

38

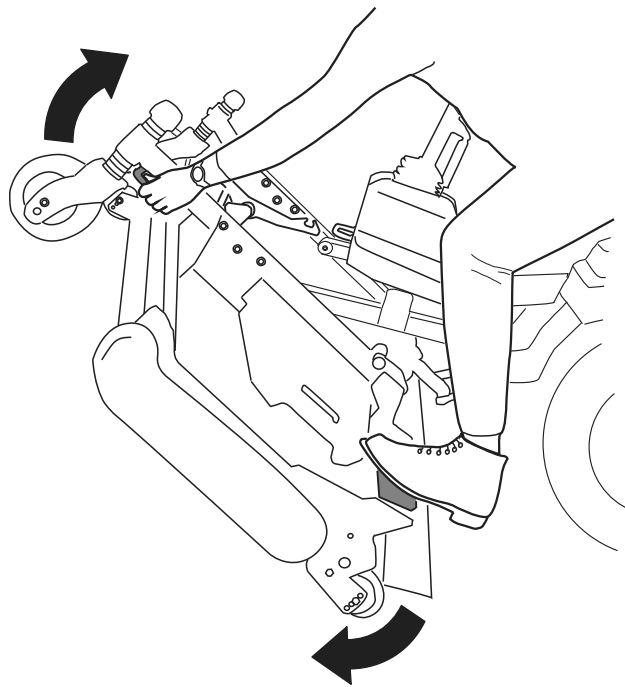
1.

2.

5. (39) (40).

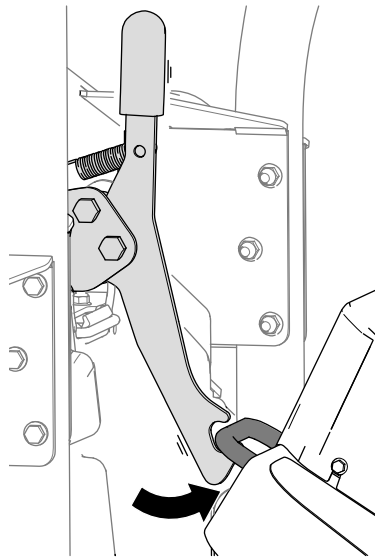


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39

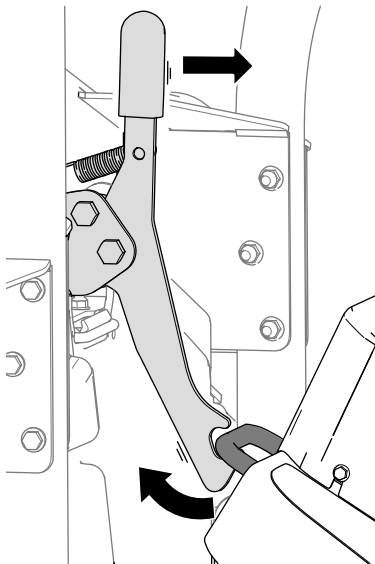
g298275



40

g298276

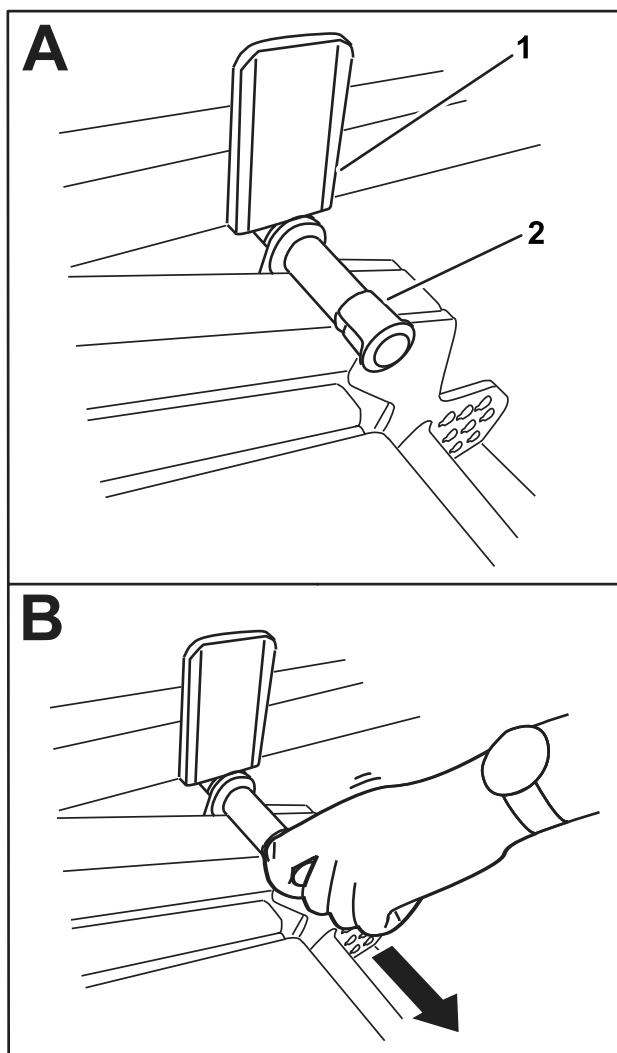
-
1. (41) (39) .



41

g298277

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2. (A 42).



g298288

42

1.

2.

3. , (B 42) .

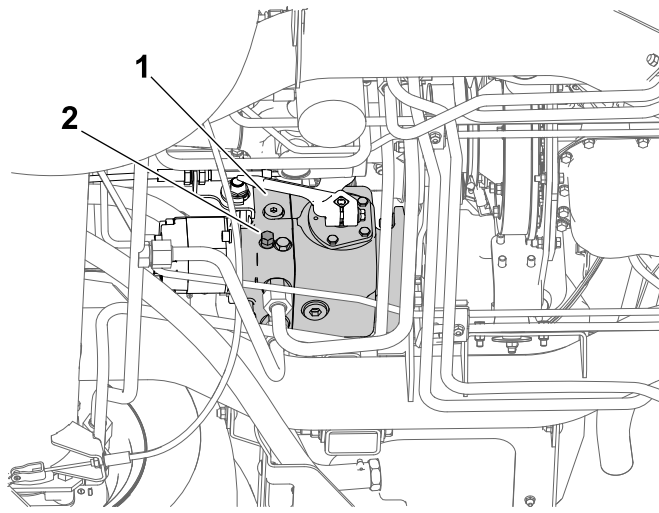
4. .

, . 4.8 / (3 l) .

∴ , .

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1. .



g297087

43

1.

2.

2. 18 (11/16) , 3 .

∴ .

3. , 20 N·m (15 ft-lb).

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100	• . • .
200	• . • . • PTO.

250	• () [31900 31901]. • . • ().
400	• /. • . • . • , . • , , .
500	• .
800	• (). • ().
1,000	• ().
1,500	•
2,000	• ().
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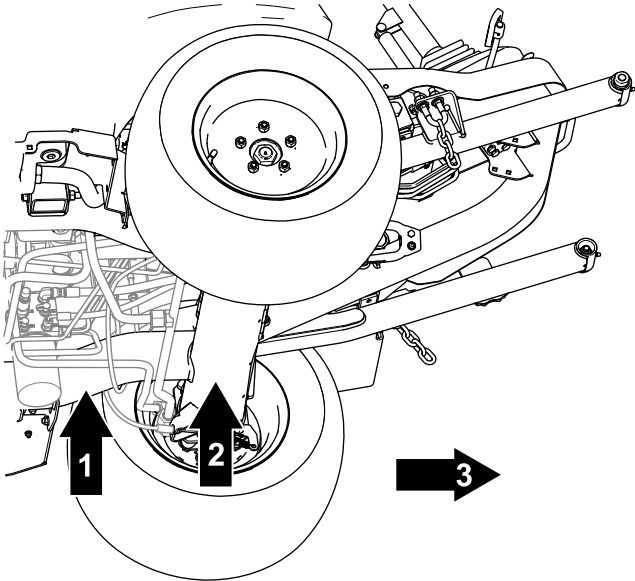
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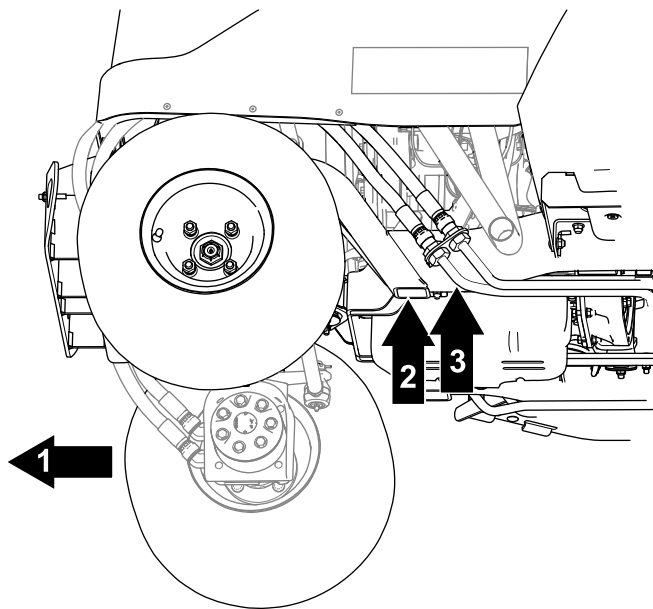
44

g299729

1. —
2. —
3.

1. 2.
2.
3. ,.

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45

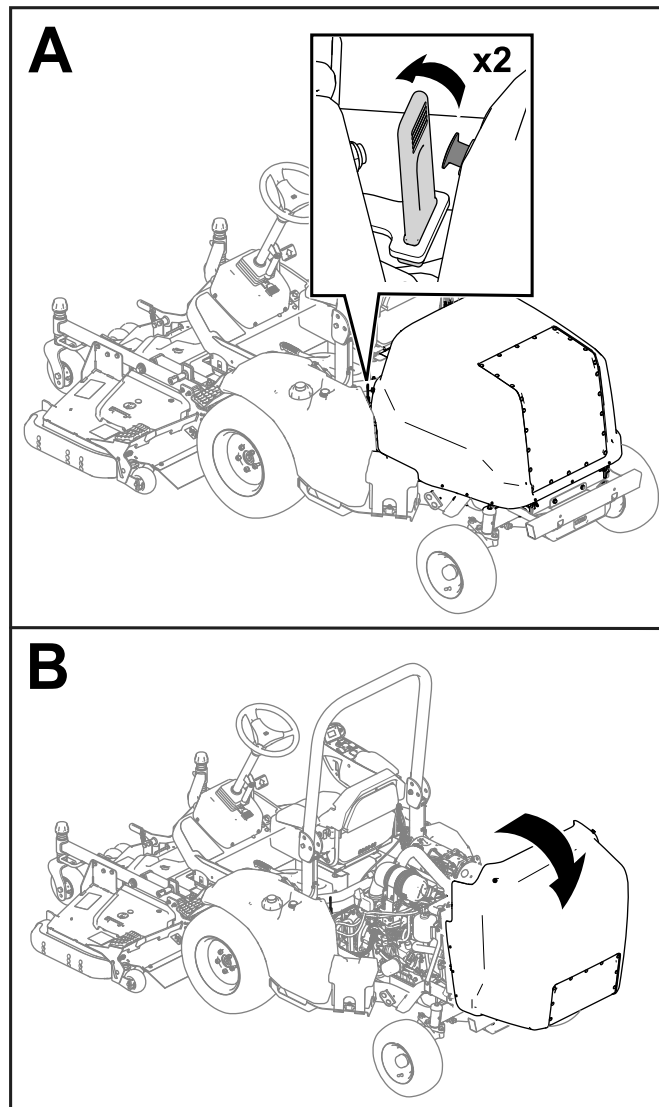
g299730

- 1.
2. —

3. —

-
1. 2 .
 2. .
 - : 4 . .
 3. , .

1. (46).



46

g285428

2. (46).

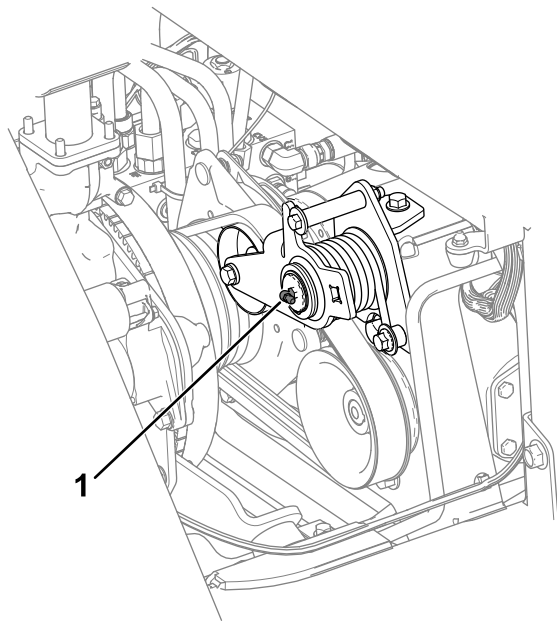
∴ .

: — PTO ().
50 — .

2.

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- (47)

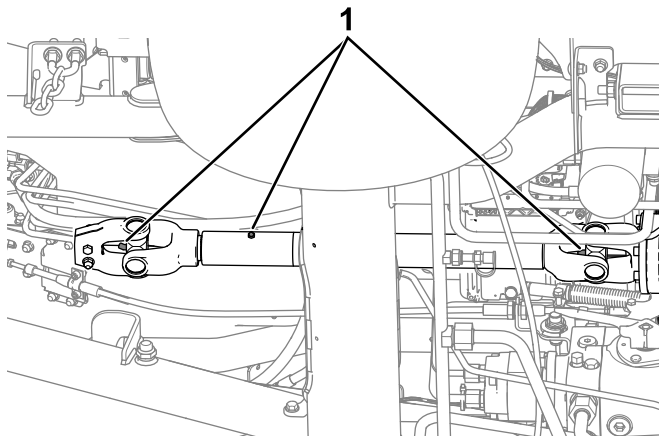


47

g300631

1.

- PTO (48)
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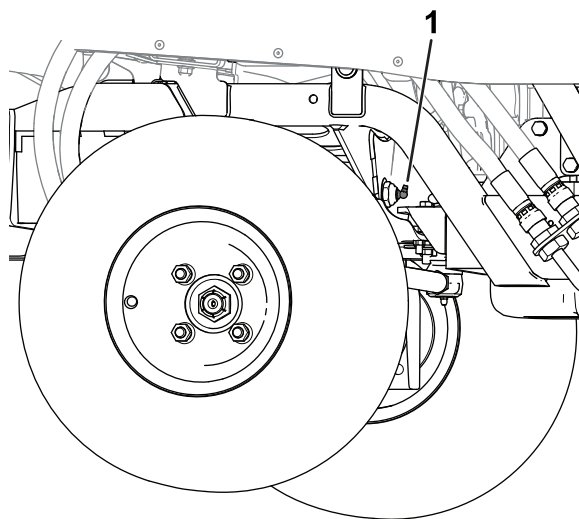


48

g303694

1.

- (49)

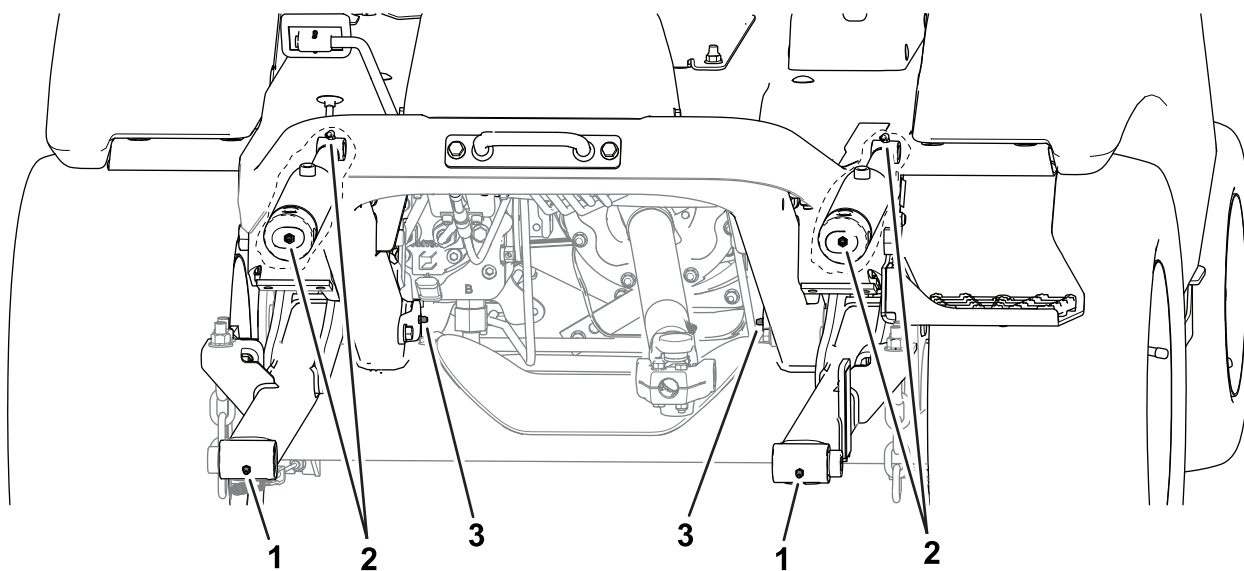


49

g308668

1.

- (50):
 - (2)
 - (2)
 - (2)



50

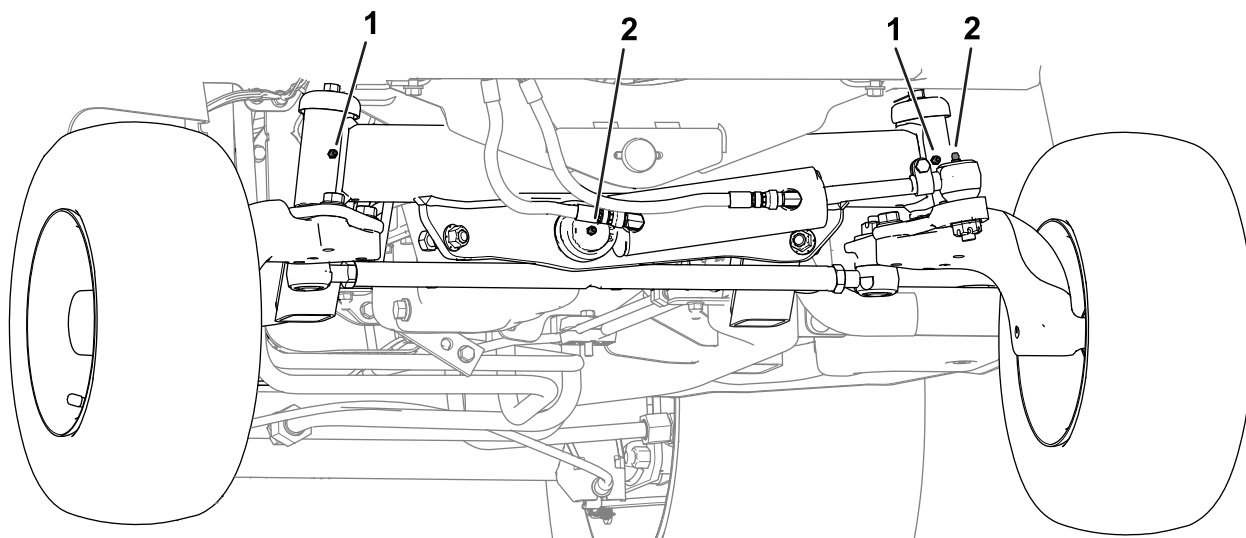
g285509

1.

2.

3.

- (51):
 - (2)
 - (2)



g353292

51

()

1.

2.

-
-

: , :

- API CJ-4
- ACEA E6
- JASO DH-2

: 6.2 (6.5) .

: :

- : SAE 15W-40 (0°F)
- : SAE 10W-30 5W-30 ()

Toro 15W-40 10W-30.

:

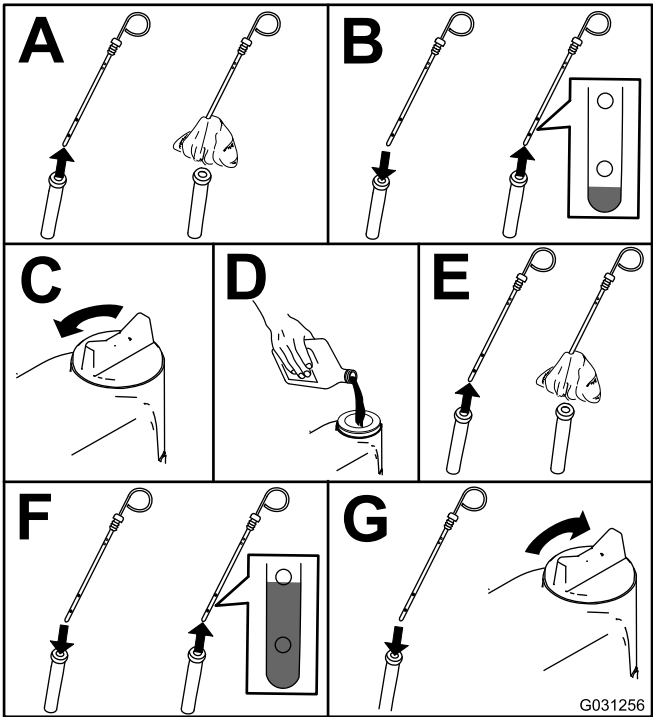
. , 10 .

, . .

: . , . , .

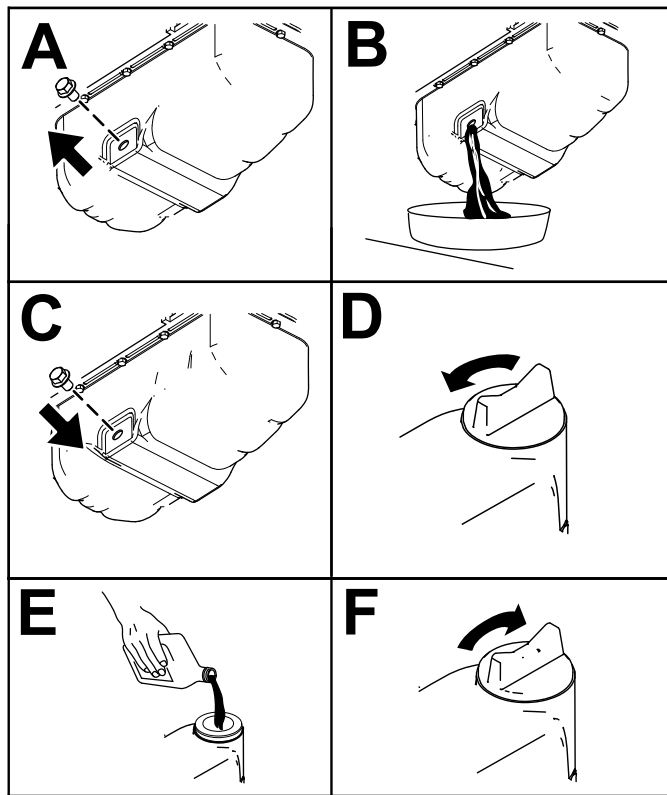
: . , .

1. ; (70).
2. , 52.



G031256

- : 500 — .
- 250 — () [31900 31901].
1. 5 .
 2. , , , .
 3. 53.

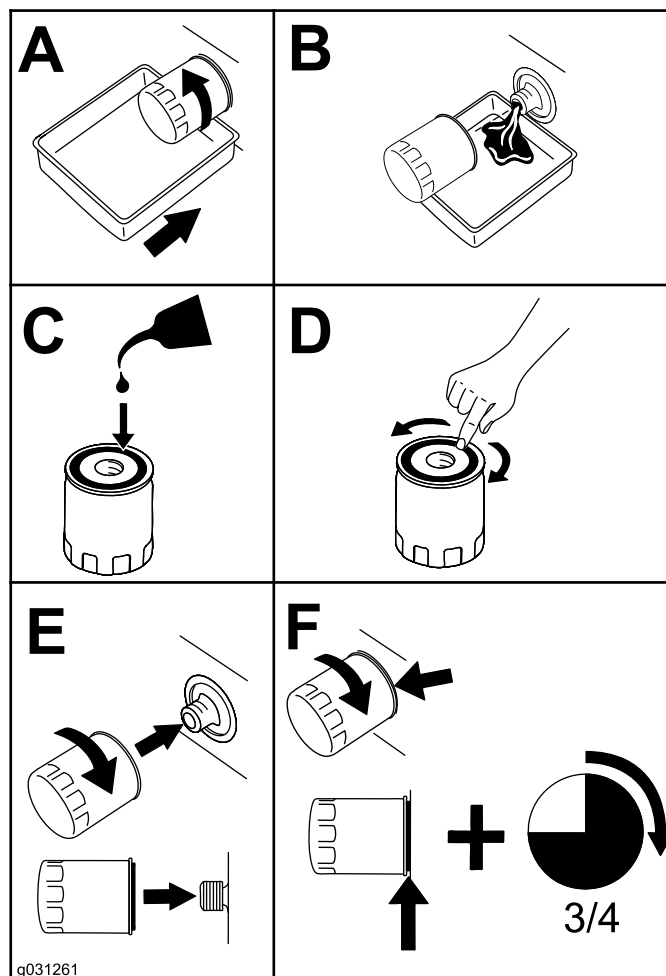


53

g297639

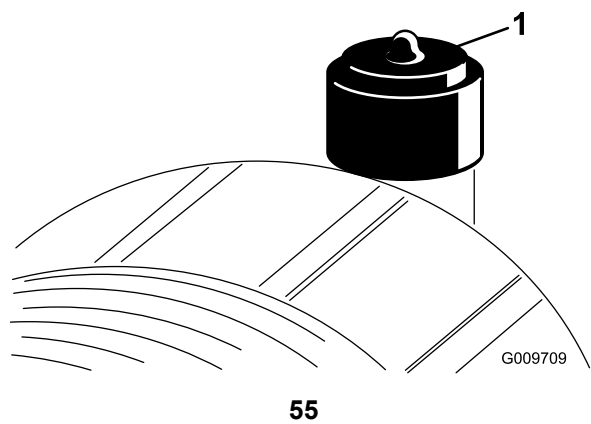
4. 54.

: $\frac{3}{4}$.



: — , .
250 —.

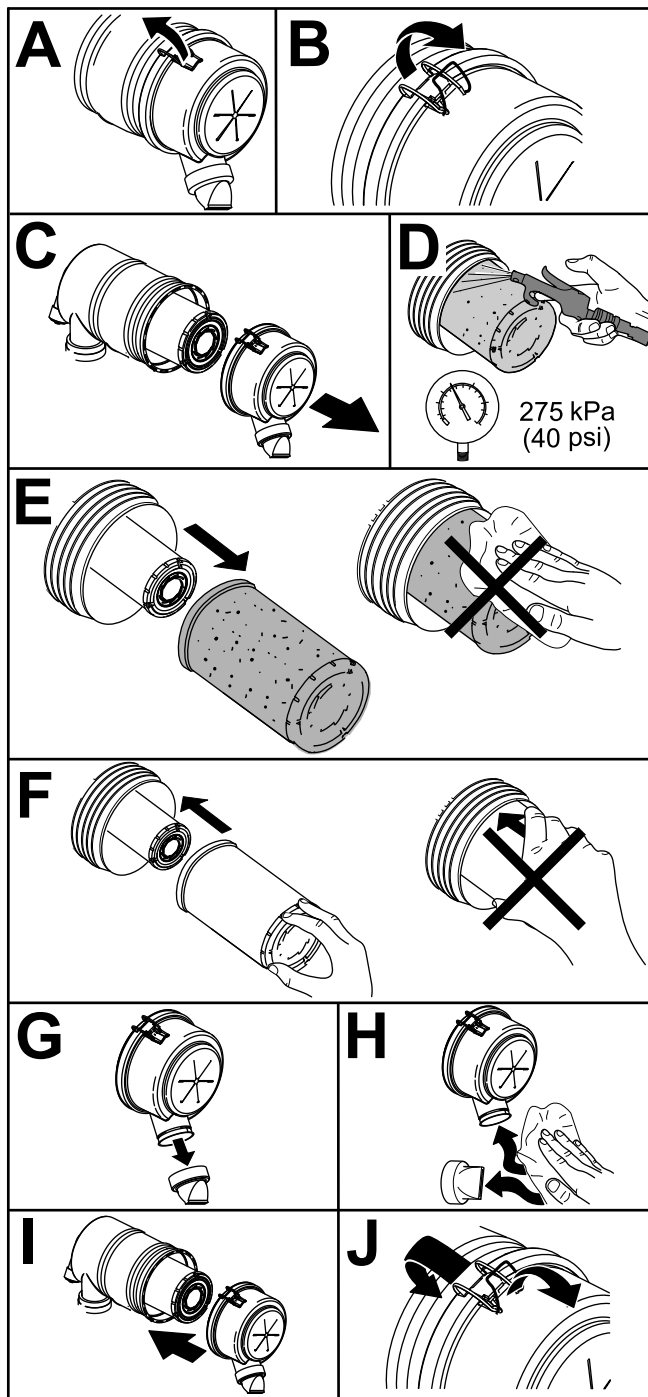
. , , ,
(55) . .



g009709

1. .

: .
1. (56).



2. (55) .



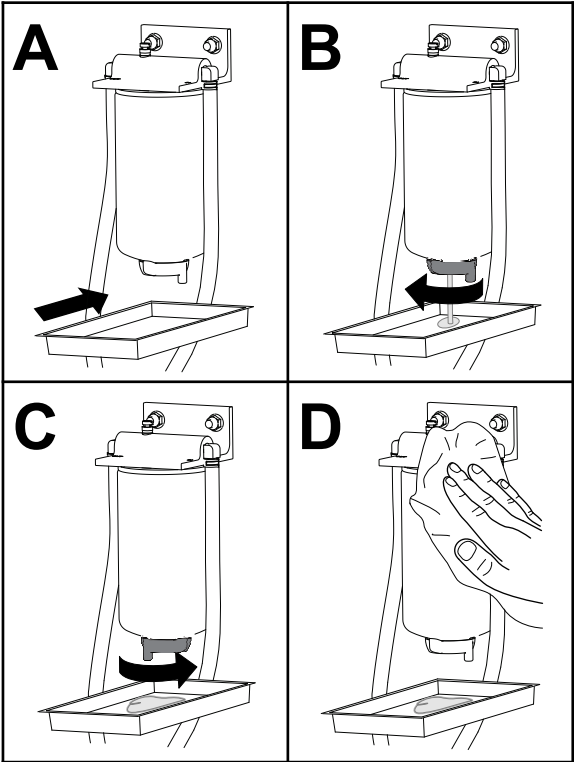
, . .

.

/

: 50

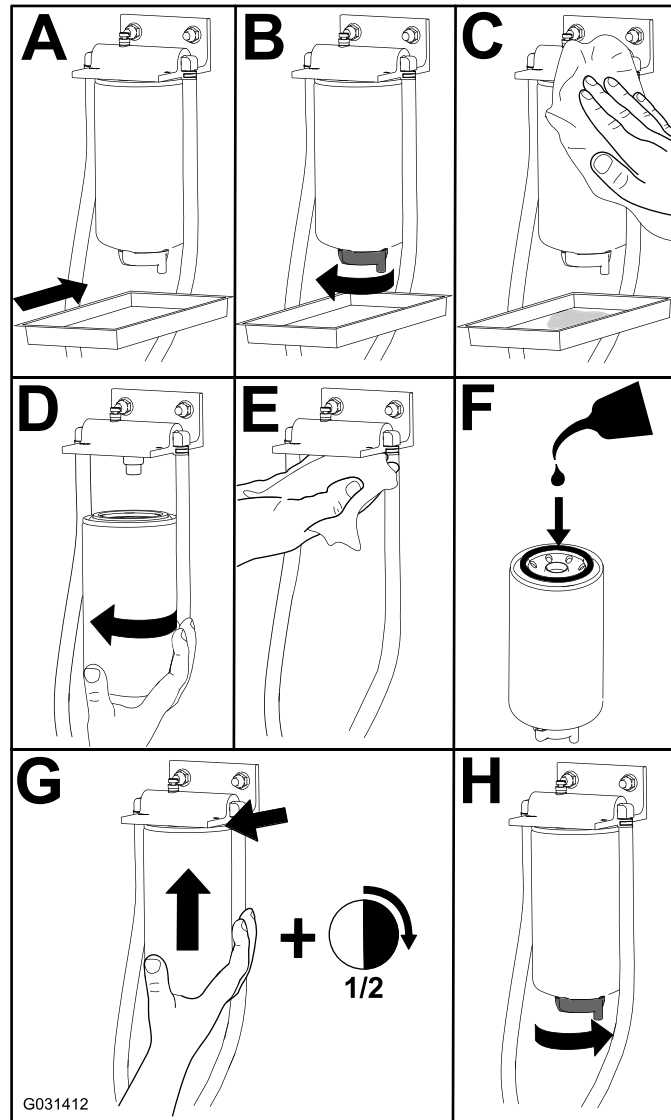
/ 57.



/

: 400

/ 57.

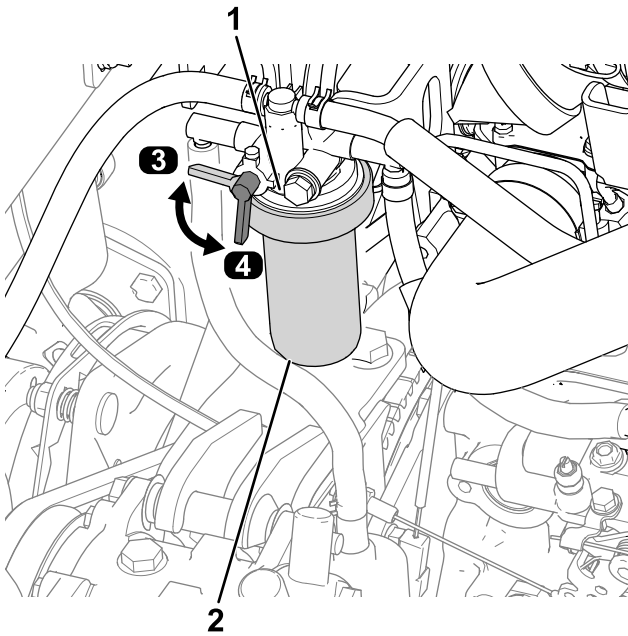


g031412

: 400

31900 31901

- 1. (59).
- 2. (59).



g312905

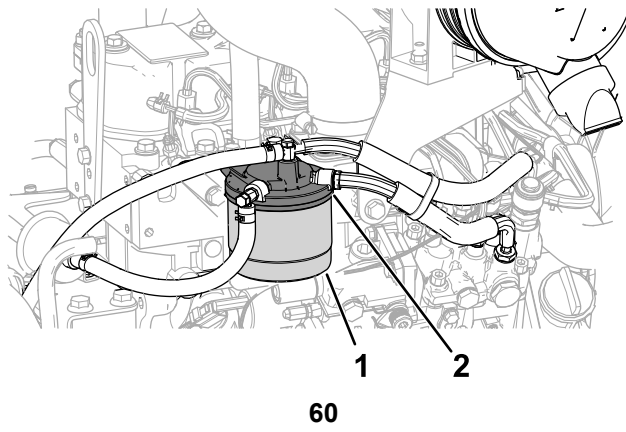
59

- | | |
|----|-------|
| 1. | 3. () |
| 2. | 4. () |

-
- 3. (59).
 - 4. , .
 - 5. , 1/2 .
 - 6. (59).
 - 7. .

31907 31909

- 1. (60).



g326083

1.

2.

2. (60).

3. , .

4. , $\frac{1}{2}$.

5. .

∴ —

, . .

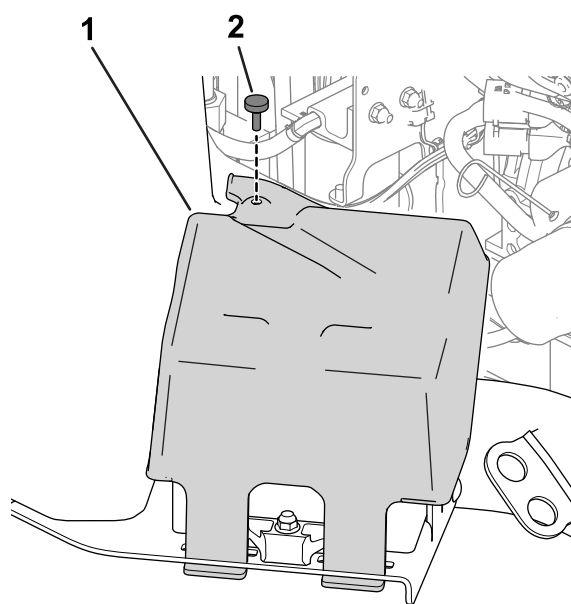
∴ 400 / ()

, .

-
- , ,

. , , (61).

∴



61

g289491

1.

2.



, . , .

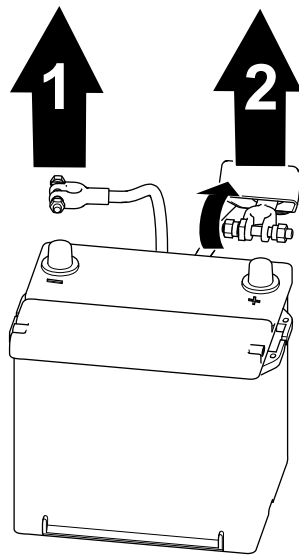
- , .
- .



, . , .

() ().

1. (62).



62

g289503

- 1.
- 2.

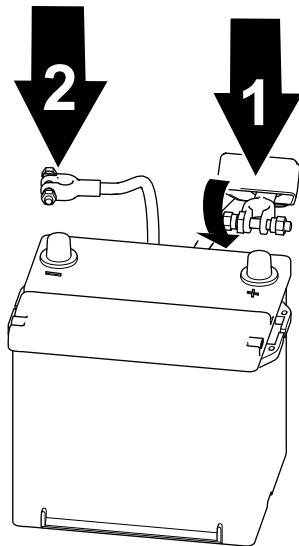
2. (62).



, . , .

() ().

1. (63).



63

g289502

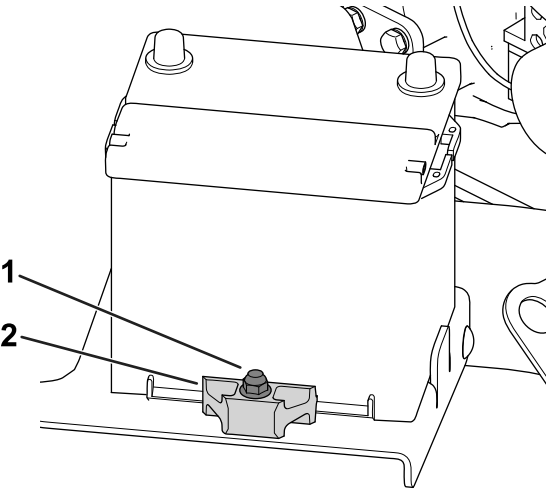
- 1.
- 2.

2. (63).

∴ .

(64) . . .

⋮ ; (84) . .



g285614

1.

2.

∴ , .

50 . , .

1. ; (84).

2. . , :

A. .

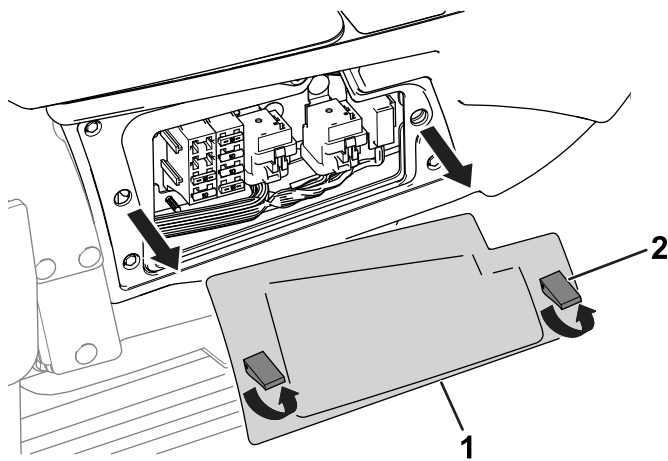
B. () Grafo 112X (Toro 505-47) .

C. .

D. .

(65).

∴.

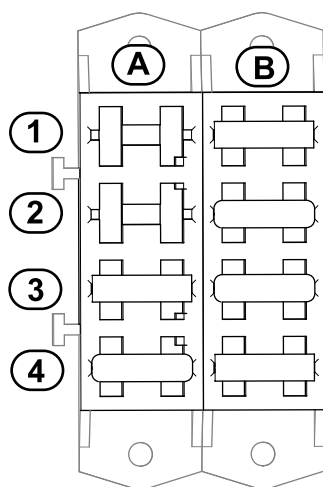


g289514

1.

2.

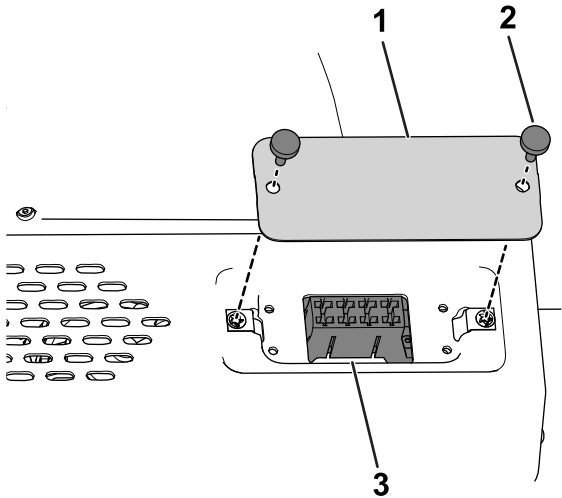
(88) (66):



g289587

	A	B
1	(10 A)	(15 A)
2		(10 A)
3	(15 A)	(15 A)
4	USB, , telematics, (20 A)	(20 A)

. (67).

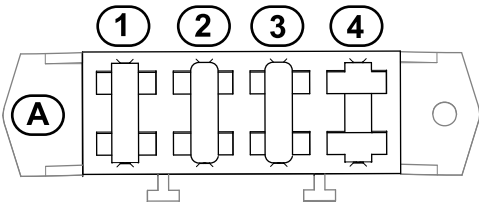


67

g285656

1.
2.
3.

(88) (68):

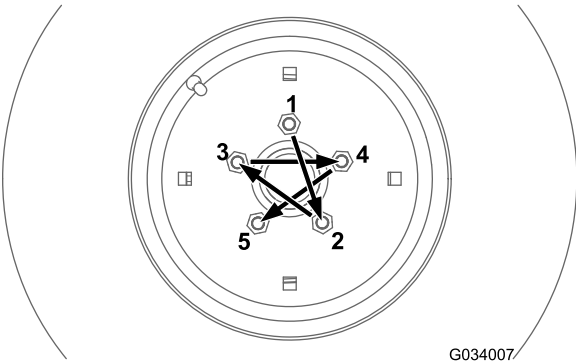


68

g300604

	A
1	, (25 A)
2	(20 A)
3	(40 A)
4	

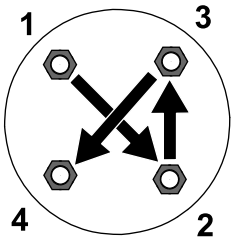
- :
 - 10
 - 200
- : 102 108 N·m (75 80 ft-lb)
- (4) 69 70 .
- : 69



69

g034007

- (4): 70



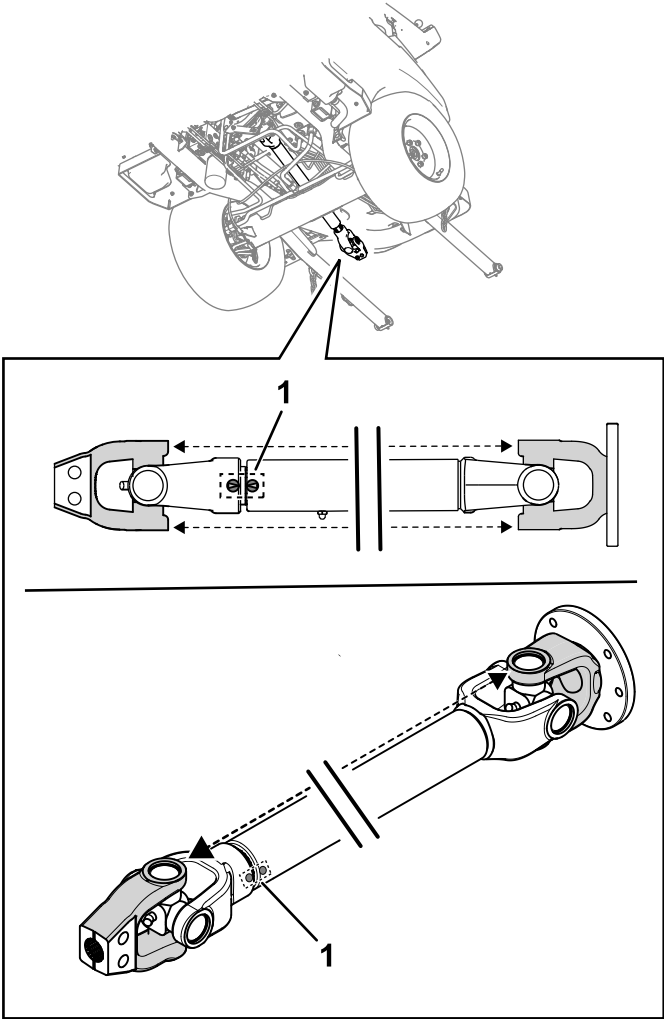
70

g274650

PTO

PTO , (71) . 71.

1. , .



71

g353347

1.

- ; .
- .
- 15 .
- .
- .
- , .

(ethylene glycol) 50/50.

: .
(IAT) () . .

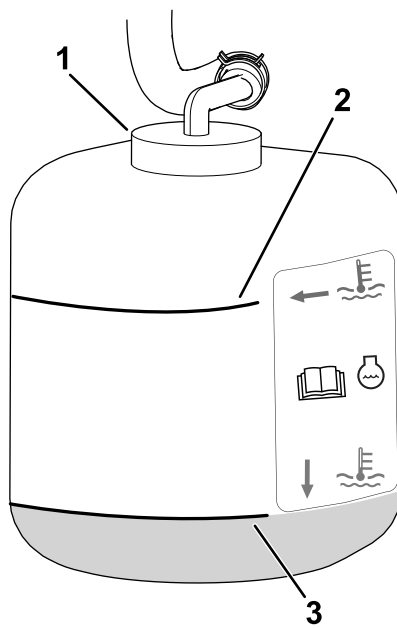
Ethylene-Glycol	
	(OAT)
: (IAT) () . : , , , , , , . .	

ATSM	SAE
D3306 D4985	J1034, J814 1941

: **50/50**.

- : , .
- : , .
- : , .

: — .
—, , ().
1,500 —
, (72). , ().
, .
1. , .



72

g325684

- 1.
2. ()

3.

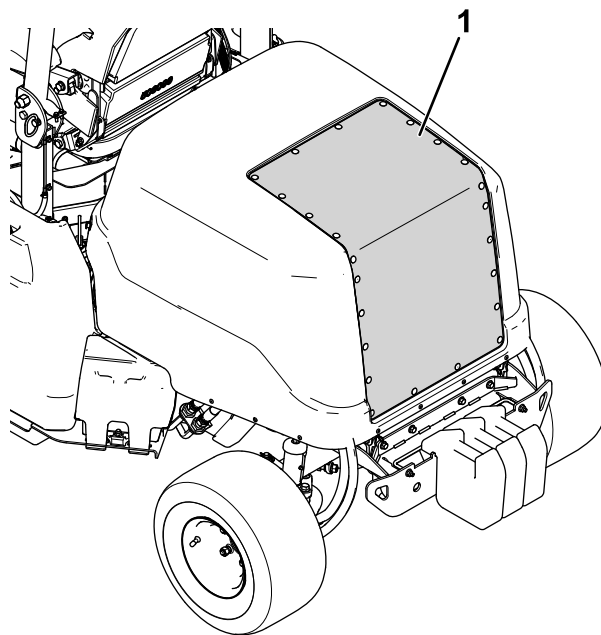
2. , [(91)] .

: .

.

3. .

: 50



73

g309128

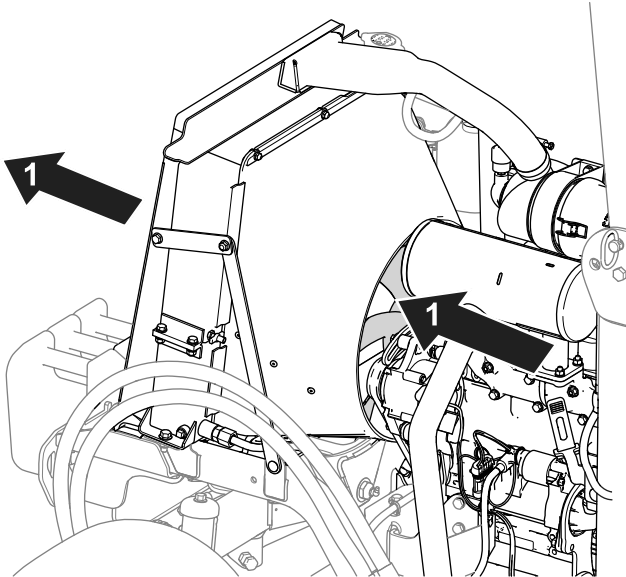
1.

- 1. ; (70).
- 2. (73). .

: 50

250

- . (74).
- : .



74

g299819

1.

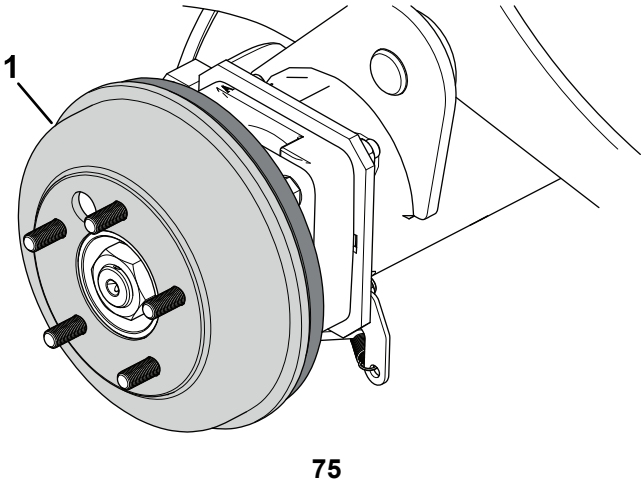
- .

: 200

, , , , , . .

: 400

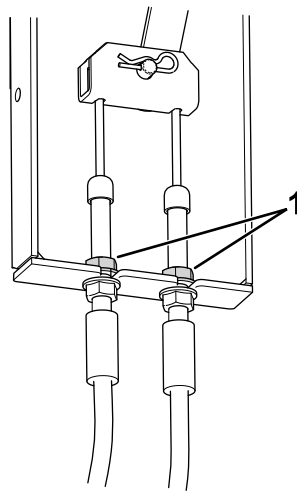
- 1. , (68).
- 2. .
- 3. ; (44).
- 4. (75) .
 - , .
 - , ; (94).



g312869

- 1.
-
- 5. , (89).

- 1. .
- 2. .
- 3. (76) .



76

g299613

1.

4. (3.2 [1/8] 4.8 [3/16]).

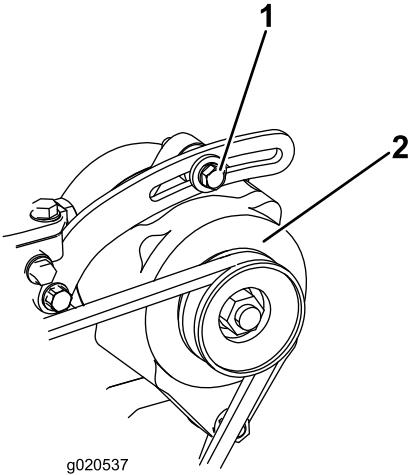
5. .

6. .

7. 5 6 .

8. ; (94).

: 10
50
100
10 (3/8) 4.5 (10) .
10 (3/8), :
1. (68).



g020537

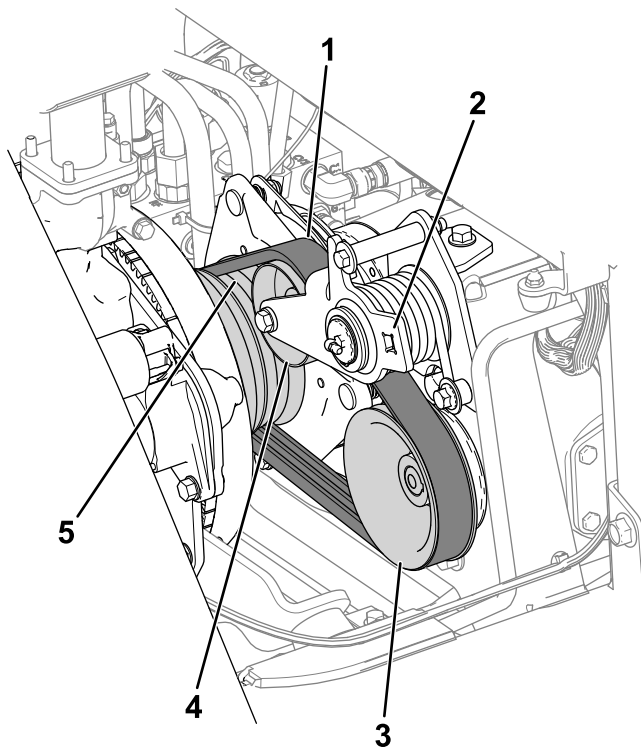
g020537

77

1. 2.

2. .
3. .

: 100
.
, , (97).

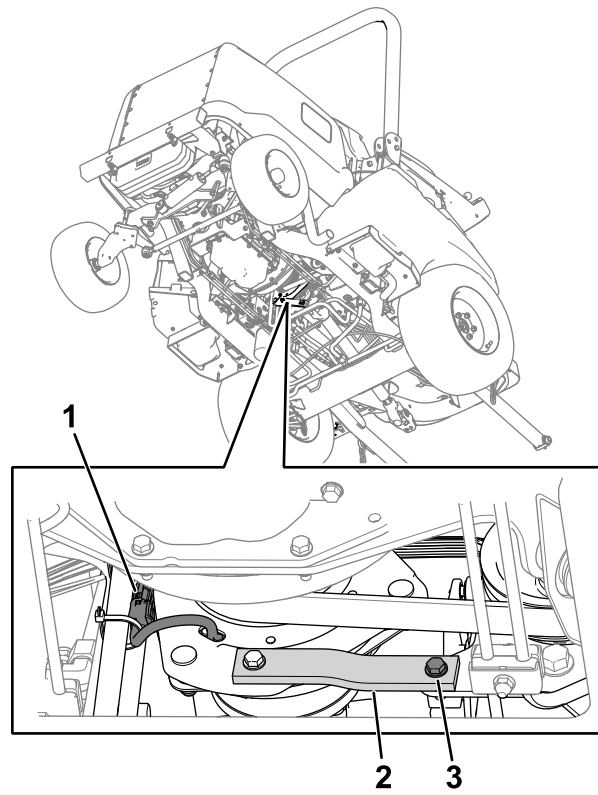


78

g300570

- | | |
|----|----|
| 1. | 4. |
| 2. | 5. |
| 3. | |

1. PTO , .
2. (79).



g300592

79

- 1.
- 2.

3. ,

3. , (79) .

, ,

4. , , .

5. PTO.

1. PTO, .

2. .

3. , (78).

4. .

5. .

6. , .

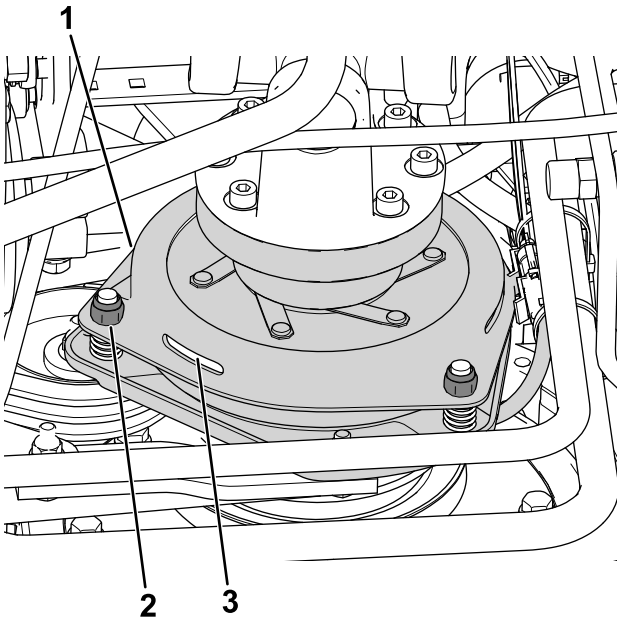
7. .

PTO

: 200

- 1. .
- 2. .
- 3. 0.3 (0.012) (80).

: (80). 0.6 (0.024). 3 0.4 (0.012).



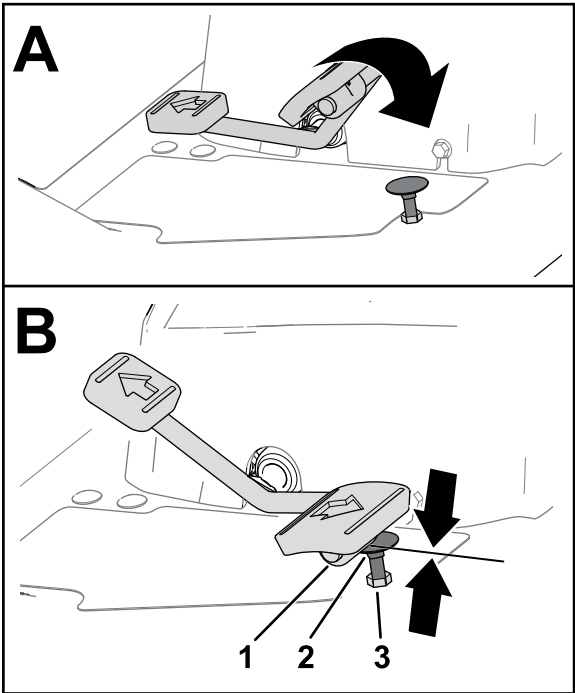
80

g299611

- 1.
- 2. (3)
- 3. 0.3 (0.012) (3)

- 4. 3 , 3 .
- : 1 .

- 1. (81).
- ∴.



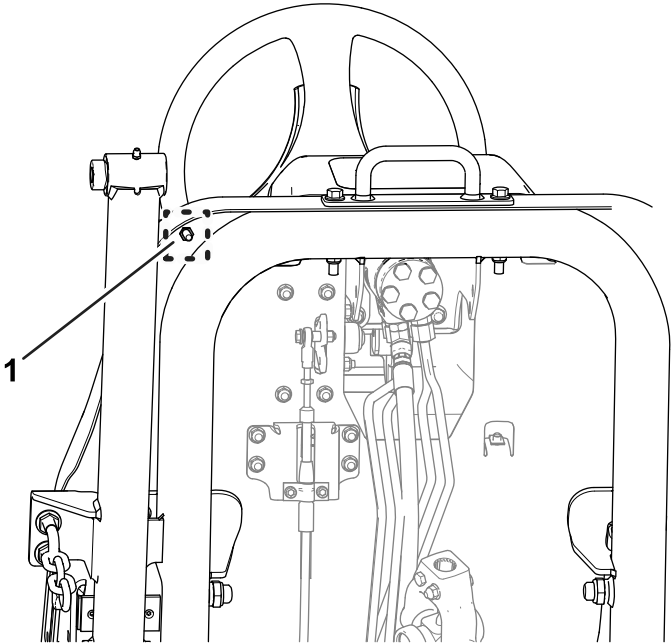
g320590

81

- 1.
- 2.
3. ()

2. , :

- A. (81).
- B. (82).



g320591

82

1. ()

- C. (81).
- D. , (81) .

E. 1 .

∴

F. , (81 82) 37 45 N·m (27 to 33 ft-lb).

G. .

∴, A G.

- , . .
- .
- .
- .
- .

22.7 (6) . ; (102).

: Toro PX Extended Life; 19 (5) 208 (55) .

: .

: Toro PX Extended Life Hydraulic Fluid, . . .

:Toro , .

/, ISO VG 46

:

, ASTM D445

cSt @ 40°C (104°F) 44 48

ASTM D2270

140

, ASTM D97

-37°C -45° C (-34° F -49° F)

:

Eaton Vickers 694 (I-286-S, M-2950-S/35VQ25 M-2952-S)

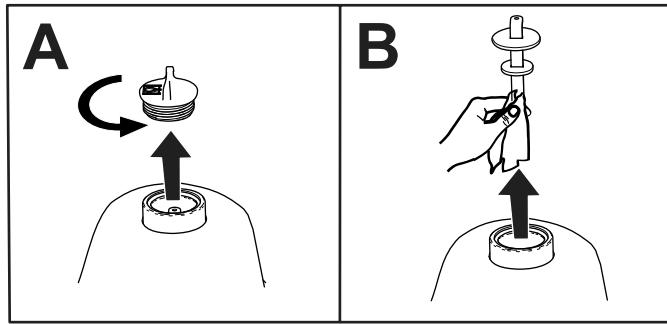
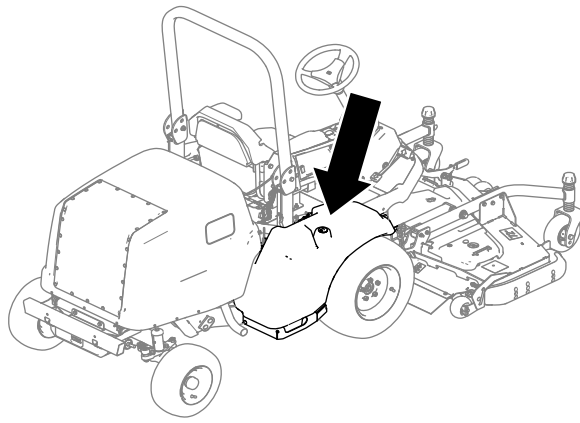
;, . 20 (2/3) . 15 22 (4 6) . 44-2500 Toro .

: (Toro Premium Synthetic Biodegradable Hydraulic Fluid) Toro. elastomers Toro . , , . 19 (5) 208 (55) Toro .

:

1. , , , .

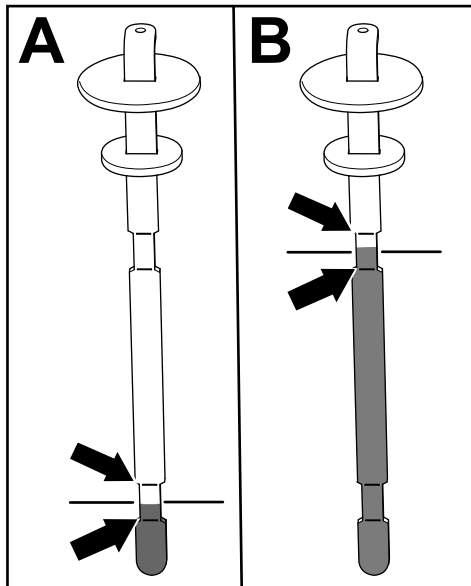
2. (83).



83

g285821

3. (83).
4. .
5. (84).
 - : 2 (A 84). .
 - : 2 (B 84).



84

g286314

6. (; 5) , . 3 5 2 .
7. .
8. .

∴ .

9. .

: 1000 — .

800 — ().

800 — ().

1,000 — ().

2,000 — ().

, Toro , . .

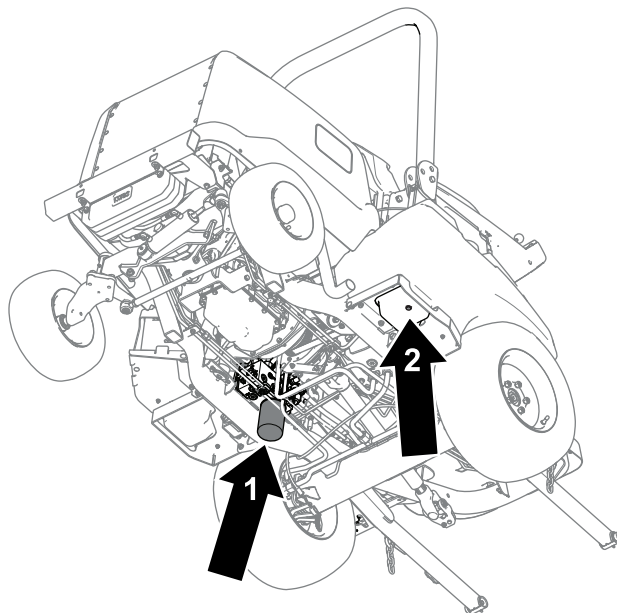
: **Toro**, . .

1. , , , .

2. .

3. .

4. (85) .



85

g286315

1.

2.

5. .

6. (85), .

7. .

8. ; ½ .

9. , (102).

∴ . .

10. .

11. .

12. :

A. .

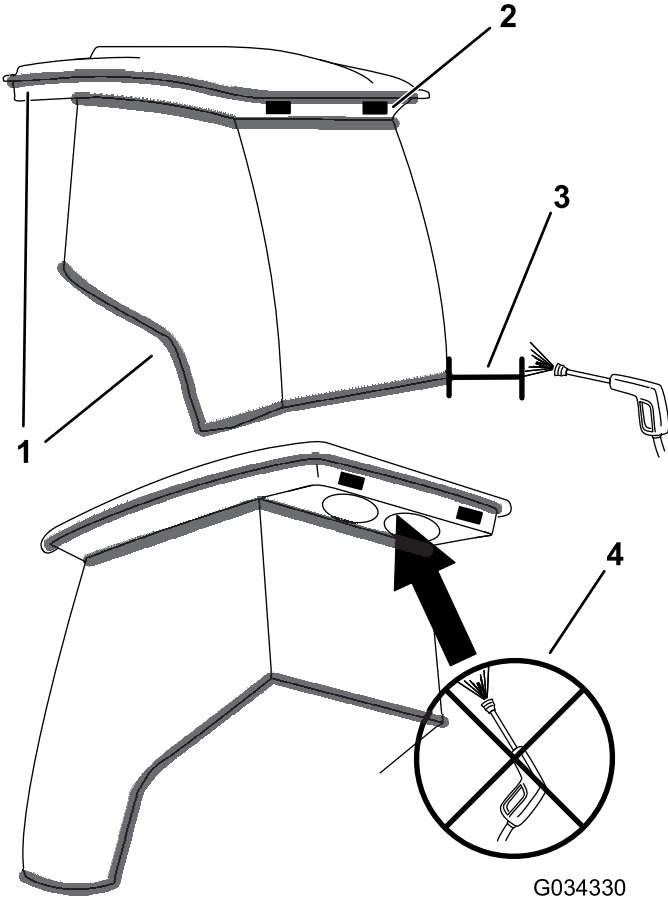
B. .

- C. (:).
13. .
14. ; (102).

: 2

, , , , , . .

: (86). , 0.6 (2) .



G034330

g034330

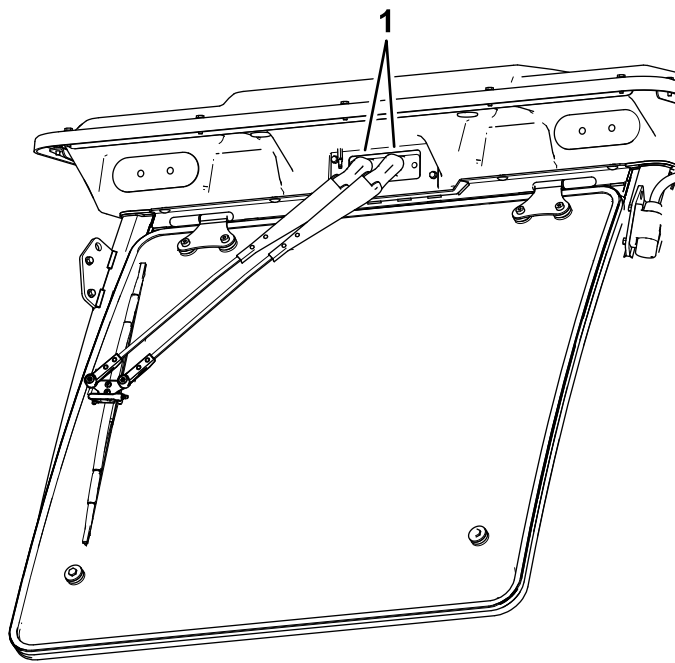
86

- 1.
- 2. 0.6 (2) .

3. .

: 30 .

- 1. (87).
- 2. 23.1 N•m (17ft-lb).
- 3. .



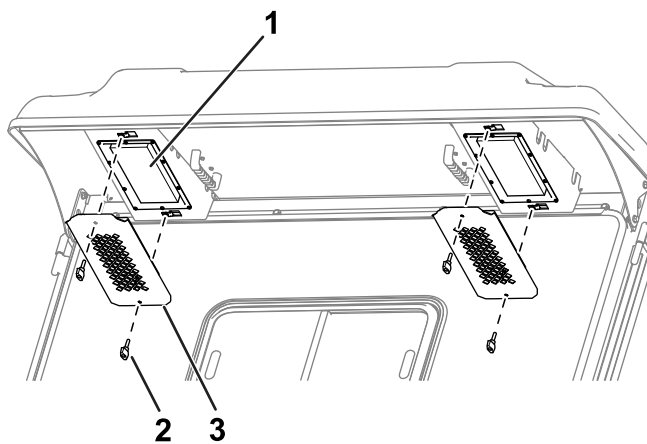
g593283

87

1.

: 400

1. (88).



g251432

88

1.

2.

3.

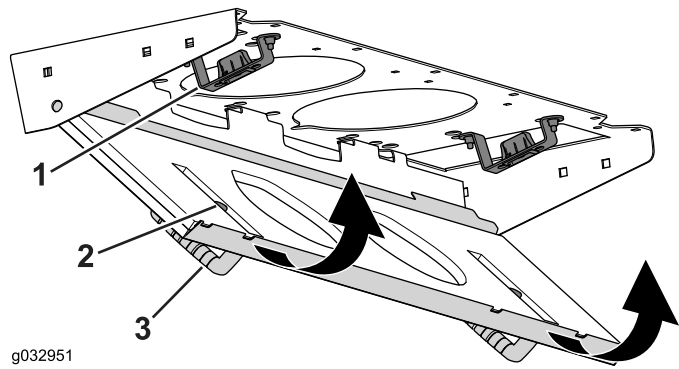
2. .

3. .

∴ , , .

4. (88).

- : .
- 1. .
- 2. .
- :.
- : , , .
- 3. .
- 4. (89).



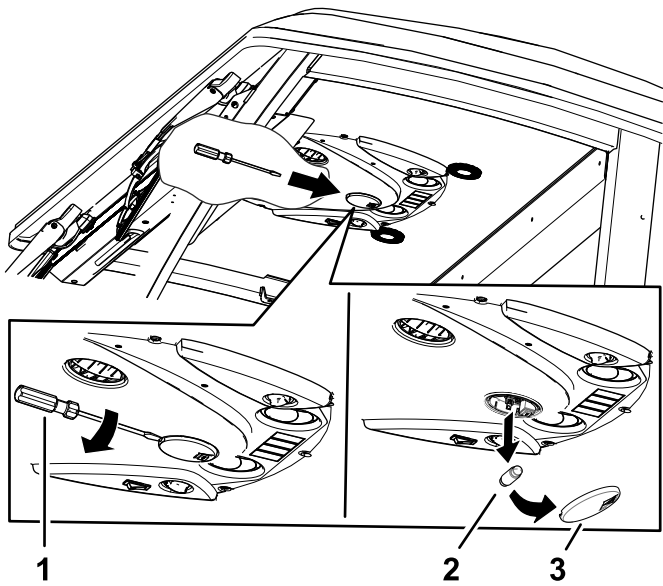
g032951

g032951

89

- 1.
- 2.
- 3.

- :.
- 1. . (90).



g253616

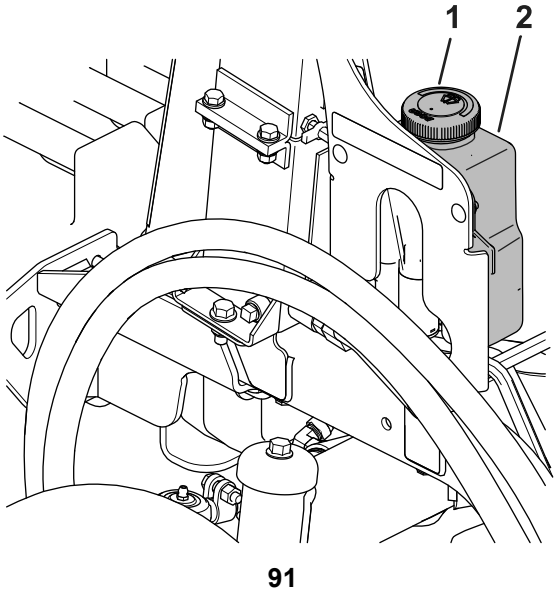
90

- 1.
- 2.
- 3.

- 2. (90).

- 3. .
- 4. .

- ∴.
- 1. (91) .



g353836

- 1.
- 2.

-
- 2. .
 - 3. .

- , . , .
- , : .

∴ .

1. , , .

2. , .

∴ .

3. , (51).

4. , .

5. , (102).

6. , , .

7. .

8. . .

9. . .



Toro
1,500

Toro Toro ("") 2 1,500 *, . . , (Aerators) ().
* .

. Toro. Toro . Toro .

. . . , :

: ():

Toro Commercial Products Service Department
8111 Lyndale Avenue South
Bloomington, MN 55420-1196
952-888-8801 800-952-2740
: commercial.warranty@toro.com

(ProStripe 02657)

Prostripe Toro Friction Disc Crank-Safe Blade Brake Clutch (Blade Brake
Clutch (BBC) + Friction Disc) . . , Blade Brake Clutch (BBC) .

, , , , Toro .

Toro .

Toro , Toro , . , , . .

, . . .

(EPA) / (CARB). . .

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. :

- Toro Toro.
- / .
- , .
- . , , , , () , , , , : , .
- , , , , , , , .
- (: ,) .
- , , . " " , , .

Toro Toro () , . . , Toro .

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: –www.p65Warnings.ca.gov.

65 ?

65 , . . , / . . 65 .

65 , , . , 65 . , 65 “ ” ‘ ’ ” . , <https://oag.ca.gov/prop65/faqs-view-all>.

65 (1) “” (2) .

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65 . , , , , . , 65 .

?

65 . 65 . : 65 0.5 , .

?

- 65 .
- 65 65 , .
- 65 .
- 65; .

Toro ?

Toro . Toro , . Toro “” , Toro 65. , Toro , 65 .