



BF 80 A BF 100

ВНОСИТЕЛ:

„Премиум Мотор“ ООД

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тел.02/ 423 58 79

,

.



“e-SPEC”

“ 0 , ”

BF75A / 90A.

., 2003 .

	BF75A				BF90A			
	LHD	LHTD	LRTD LRTE LRTU LRTW	XRTD	LHD	LHTD	LRTD LRTE LRTU LRTW	XRTD XRTE XRTU XRTW
-								
/								

:

,

.

BF75 /90

,

.

L -

- L= , :

R -

: ,R:

- =

: / ((-))

D -

-D :
-U W:

R

G

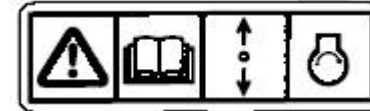
R1

R2

R3

1.	4	.
2.	6	.
3.	8	.
4.	14	.
5.	32	.
6.	38	.
7.	46	.
8.	62	.
9.	81	.
10.	83	.
11.	84	.
12.	85	.
13.	99	.
14.	101	.
15.	103	.

1.



(FORWARD)
(REVERSE),

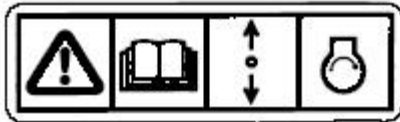
NEUTRAL

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

2.





(G)



U & W



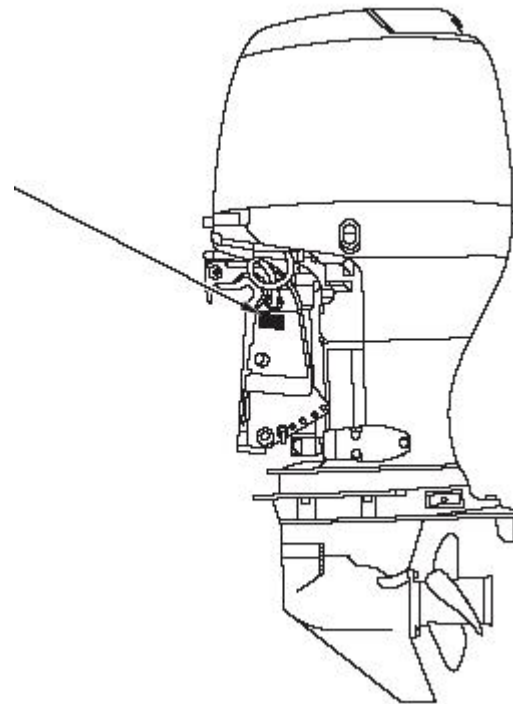
U & W

		BF 75A
Honda Motor Co., Ltd.		
Rated power	55.2 kW	
Mass	170-175 kg	

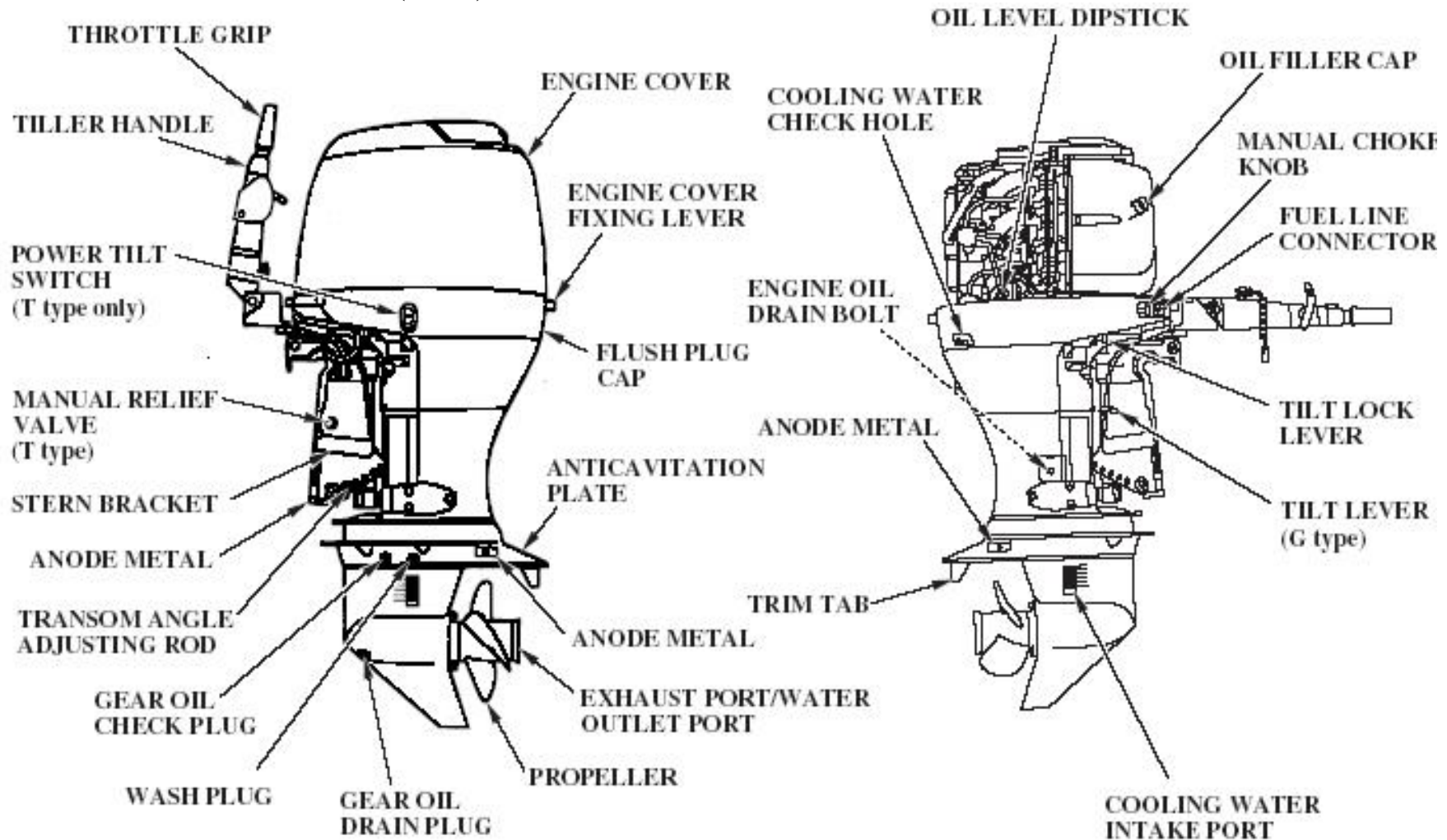
Manufacturer and address

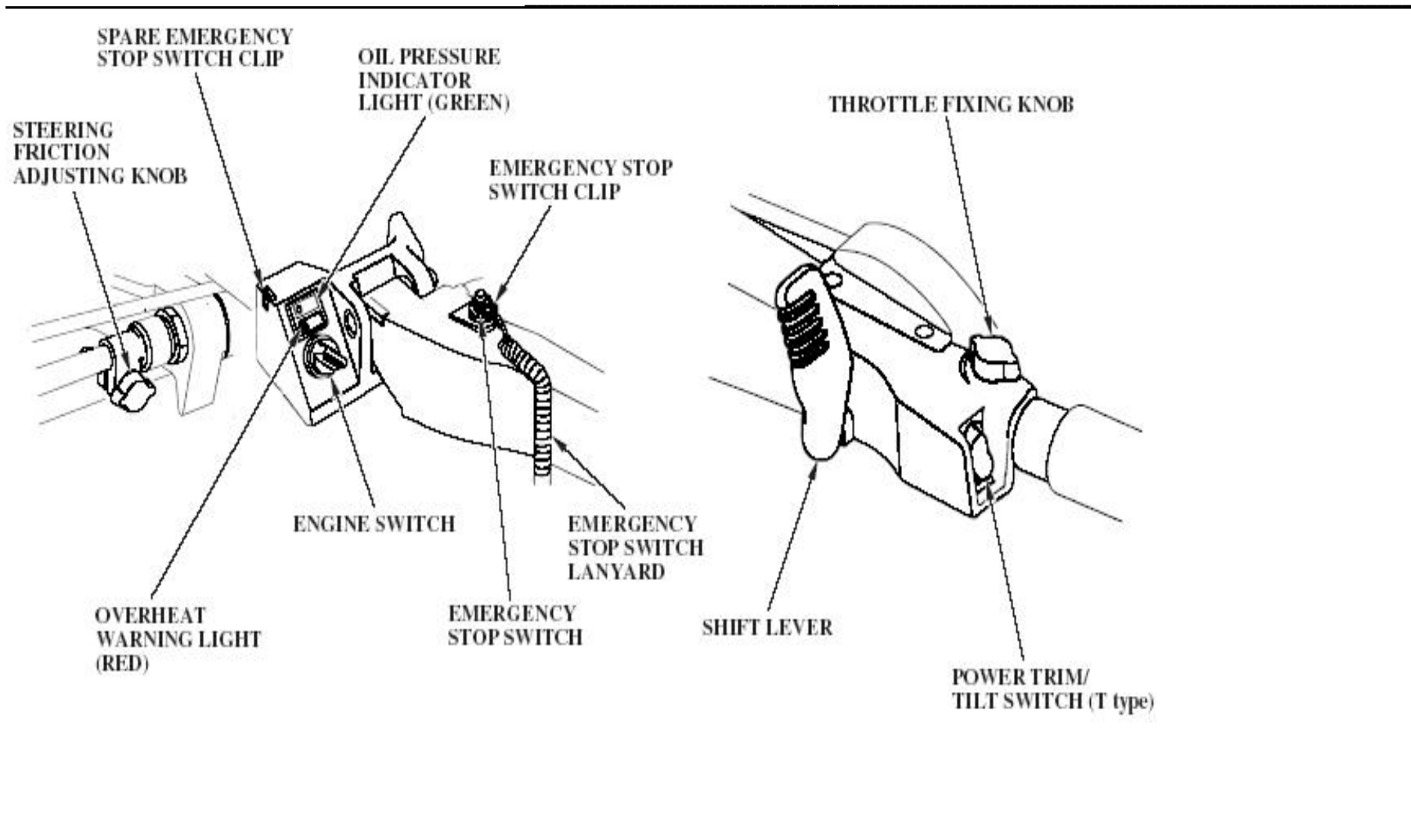
Dry weight

BF75



(H)





(R)

Engine cover

Engine cover fixing lever

Flush plug cap

Anti-cavitation plate

Anode metal

Exhaust port / water outlet port
/

Propeller

Gear oil drain screw

Wash plug

Gear oil check plug

Transom angle adjusting rod

Stern bracket

Manual relief valve

Power tilt switch

Oil level dipstick

Oil filler cap

Manual choke knob
/ /

Fuel line connector

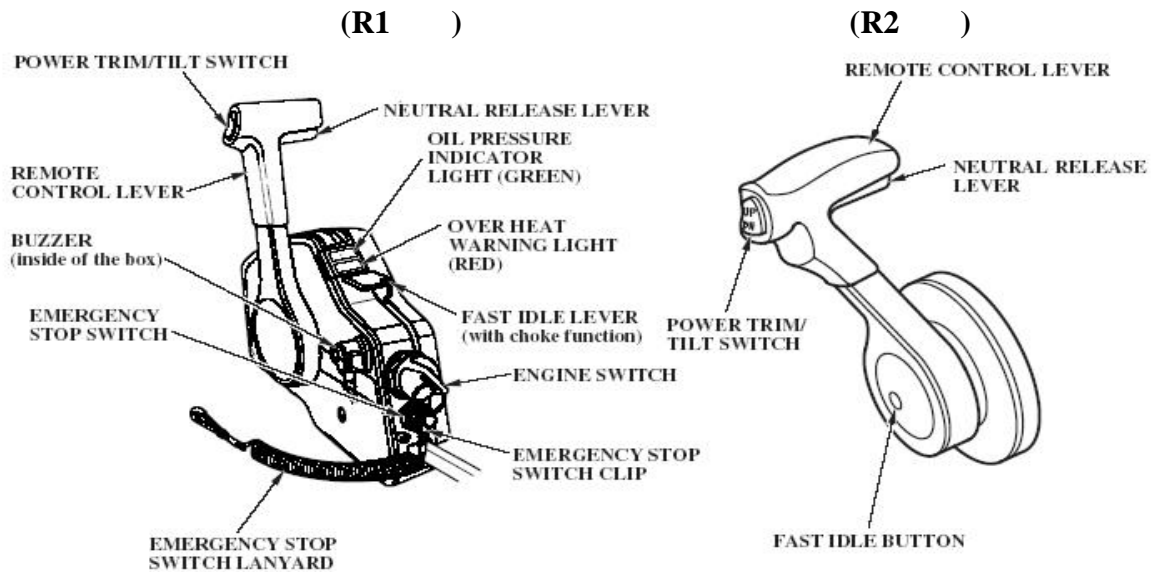
Tilt lock lever

Cooling water intake port

Trim tab

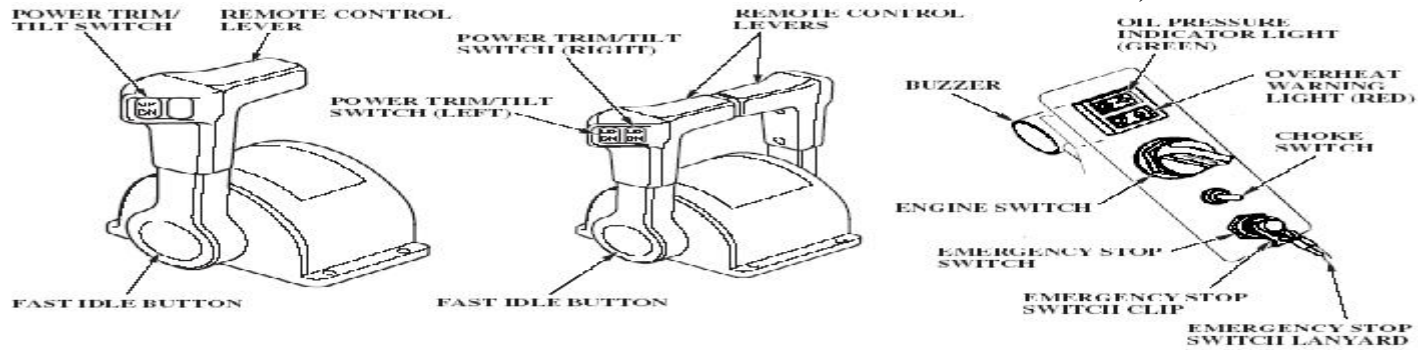
Engine oil drain bolt

Cooling water check hole

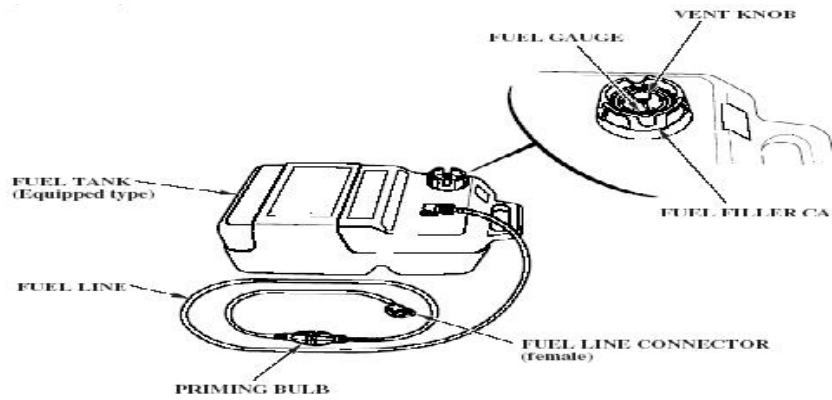


- Power trim/tilt switch /
- Neutral release lever
- Oil pressure indicator light (green) ()
- Fast idle lever
- Engine switch
- Emergency stop switch clip
- Emergency stop switch lanyard
- Emergency stop switch
- Buzzer (inside of the box) ()
- Remote control friction adjuster
- Fast idle button

(R3)



- Power trim/tilt switch /
- Remote control lever
- Power trim/tilt switch (left) / ()
- Power trim/tilt switch (right) / ()
- Remote control levers
- Buzzer
- Oil pressure indicator light (green) ()
- Overheat warning light (red) ()
- Choke switch
- Emergency stop switch lanyard
- Emergency stop switch clip
- Emergency stop switch
- Engine switch
- Fast idle button



Priming bulb

Fuel line

Fuel tank (equipped type)

()

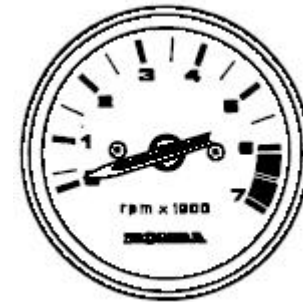
Fuel gauge

Vent knob

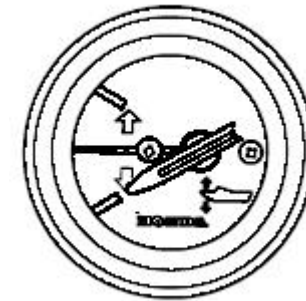
Fuel filler cap

Fuel line connector (female)

(,, ”)

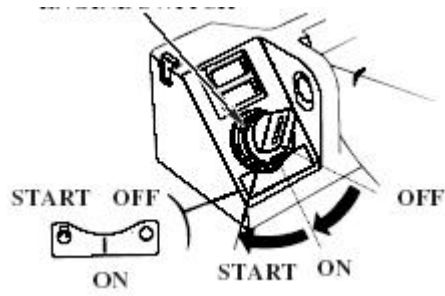


()



()

4. (H)



Start

Off

on

Start

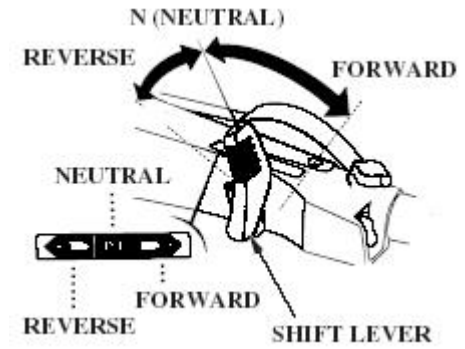
On

Off

()
(ON), (ON)

:

(neutral)



N (neutral)

Forward

Reverse

Shift lever

(H)

FORWARD (): / / To decrease engine speed
NEUTRAL (): , .
REVERSE (): . To increase engine speed

(H)

(G)

Fast

Slow

Fix

Release

Throttle grip

Throttle fixing knob

(H)

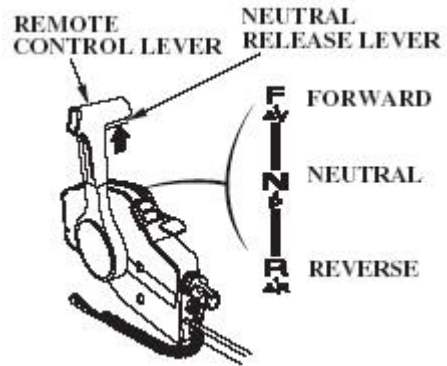
()

()

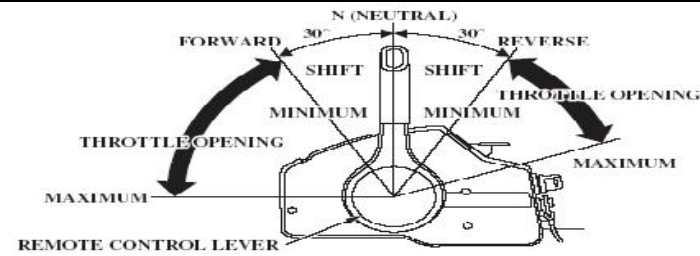
To increase friction

To decrease friction

(R)



(R1)



Throttle opening

Shift

Minimum

(FORWARD):

(NEUTRAL)]

(FORWARD) [30°

(FORWARD)

(NEUTRAL):

(REVERSE):

(NEUTRAL)]

(REVERSE) [30°

(REVERSE)

Remote control lever

Remote control lever

Neutral release lever

Maximum

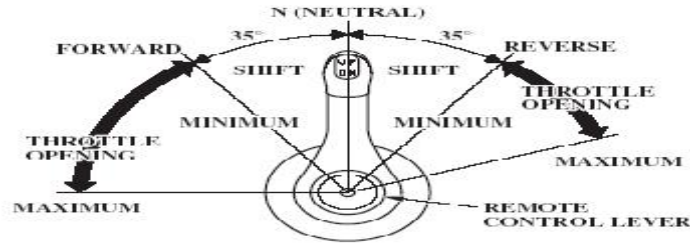
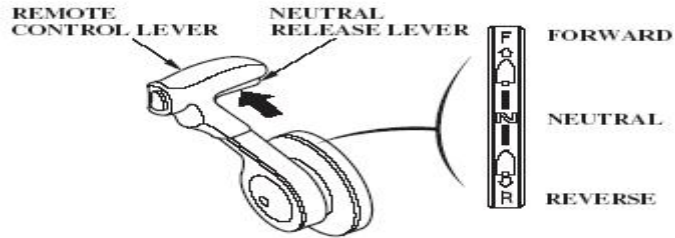
Forward

Neutral

Reverse

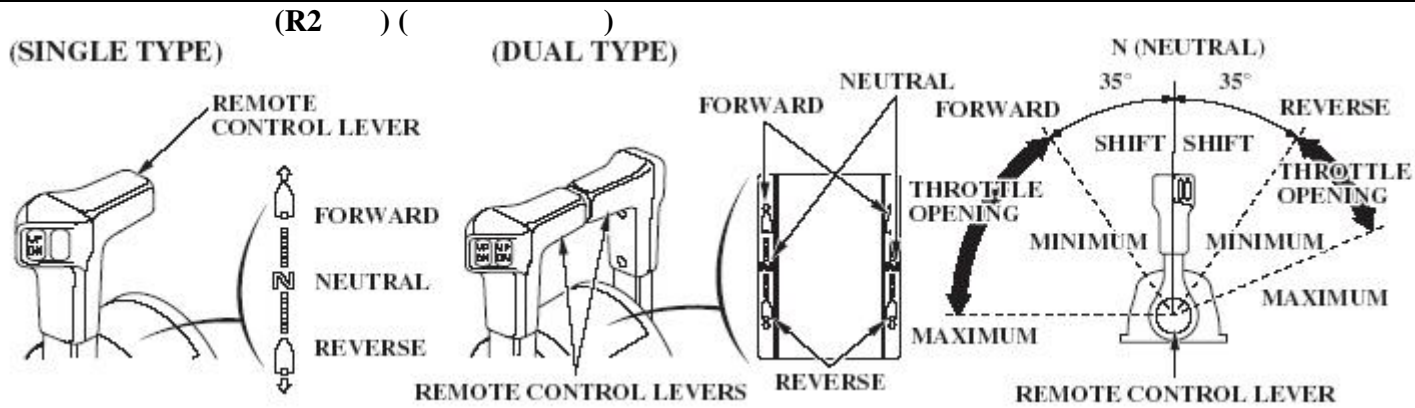
(R)

(R2)



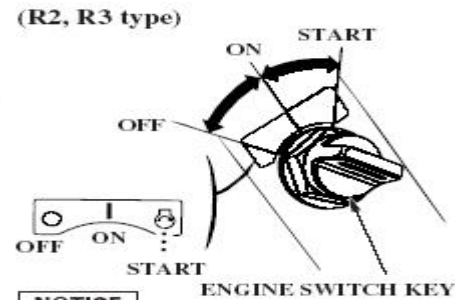
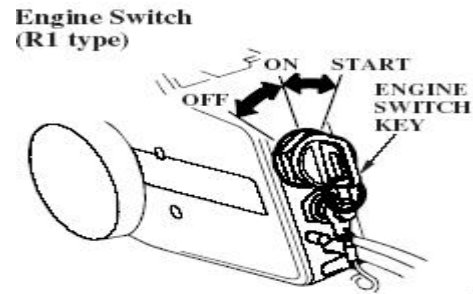
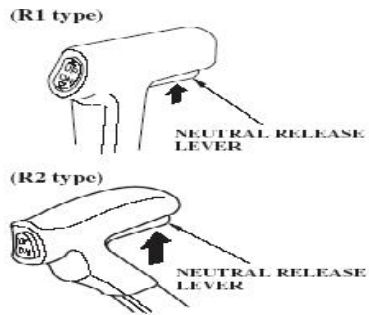
Remote control lever	(FORWARD): (NEUTRAL) [(FORWARD) 35°] (NEUTRAL):
Neutral release lever	(REVERSE): (NEUTRAL) [(REVERSE) 35°] (REVERSE)
Forward	Remote control lever
Neutral	Maximum
Reverse	Throttle opening
	Shift
	Minimum

(R)



Remote control lever	(FORWARD): (FORWARD) [35° (NEUTRAL)] (FORWARD)
Forward	(NEUTRAL): (REVERSE): (REVERSE) [35° (NEUTRAL)] (REVERSE)
Neutral	
reverse	Remote control lever - Maximum - Throttle opening - Shift - Minimum -

(R)



(R1)

(R2)

(R3),

Start -

On -

Off -

()

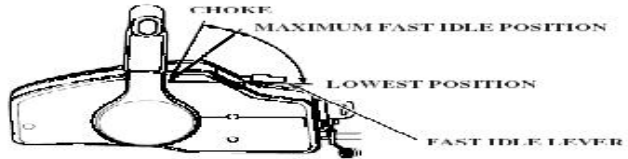
() N (),

(NEUTRAL)

Engine switch key -

(R)

(R1)



(R2)



1.

2.

NEUTRAL

Forward

Neutral -

Reverse-

Neutral release lever -

Fast idle button -

Remote control lever -

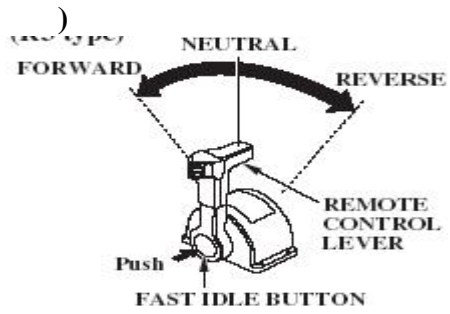
Choke -

Maximum fast idle position -

Lowest position -

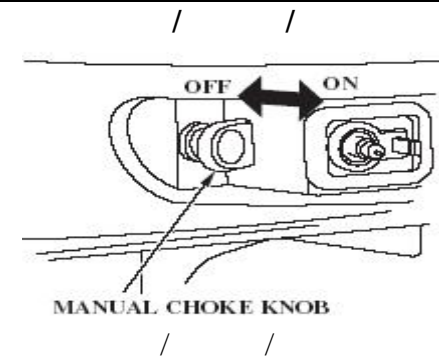
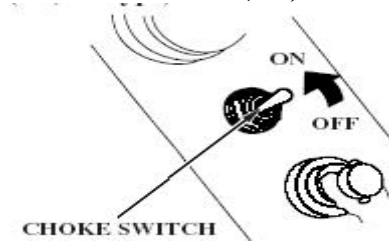
Fast idle lever -

(R)



(R1

(R2, R3)



(ON),

(ON),

()

(OFF),

Forward

Neutral

Reverse

Remote control lever

push

On

(N).

Off

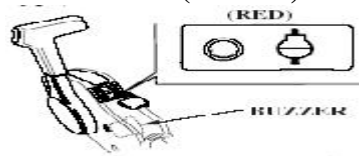
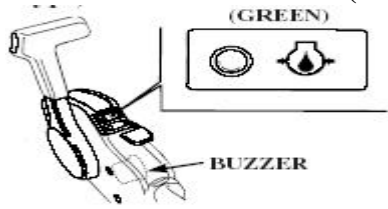
(R)

:

(R1)

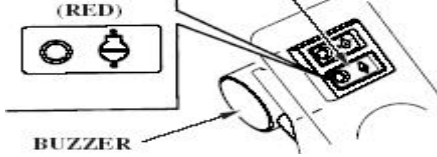
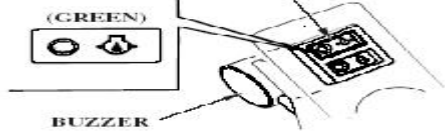
(R1)

1400



(R2, R3)

(R2, R3)



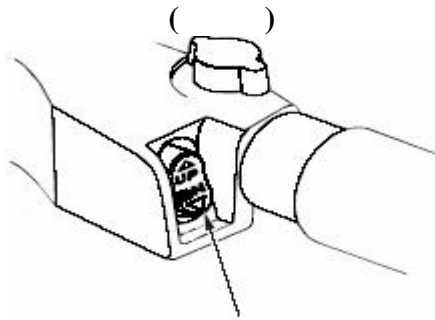
Green

Red

Buzzer

Buzzer

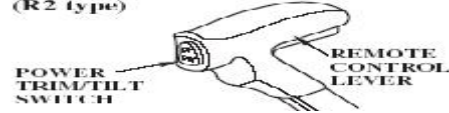
(T)



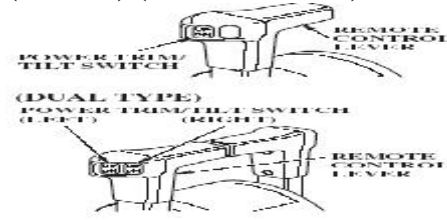
(R1)



(R2 type)



(R2) ()



Single type

Dual type

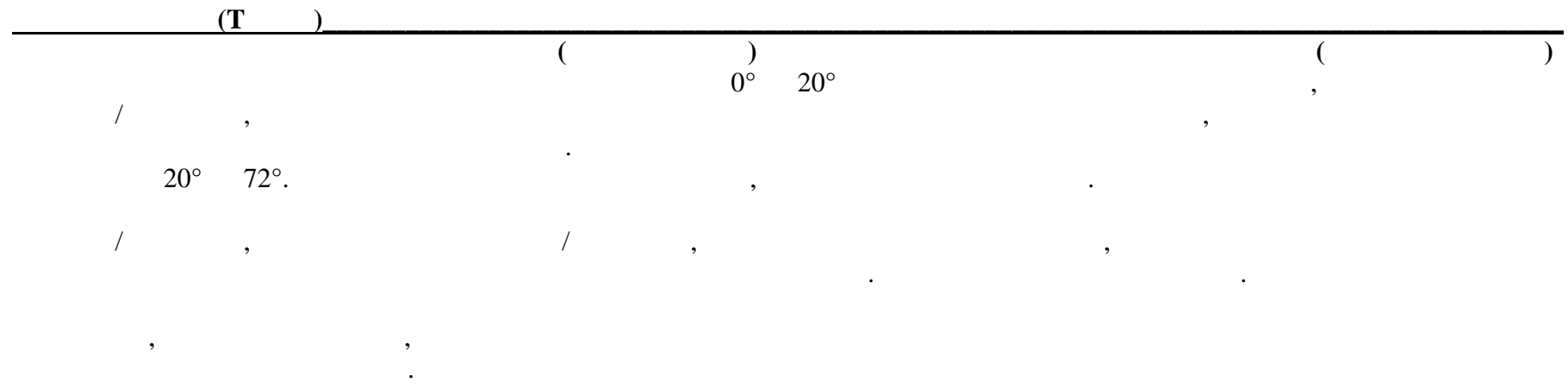
Left

right

Power trim/tilt switch

Remote control lever

0° 20°



Tilt angle

Trim angle

(T)

Manual (to release)

()

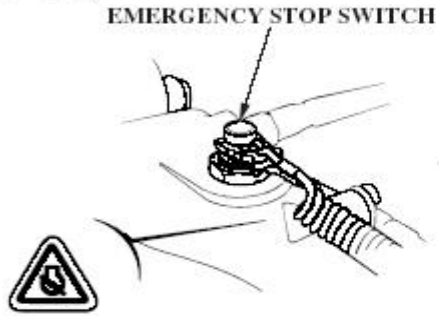
Power (to fix)

()

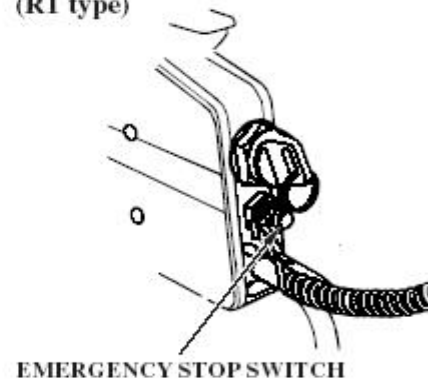
/

1 2

Emergency Stop Switch
(H type)



(R1 type)



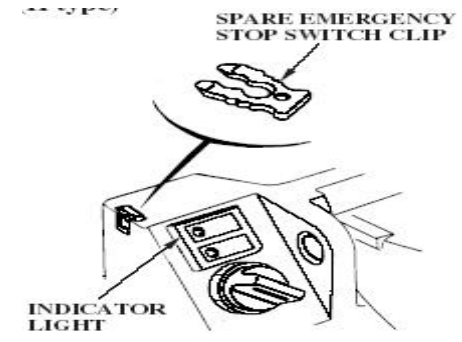
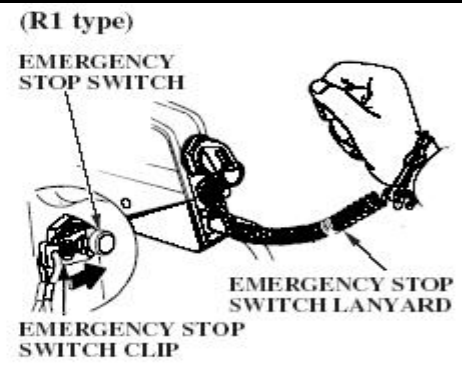
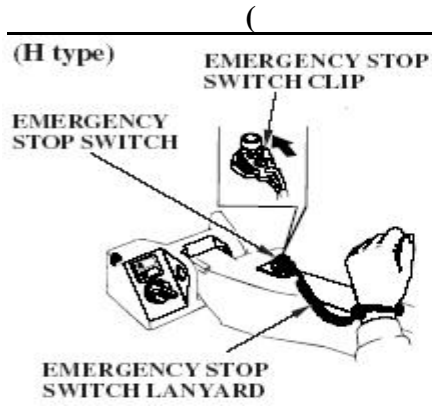
Emergency stop switch

Emergency stop switch lanyard

Emergency stop switch clip

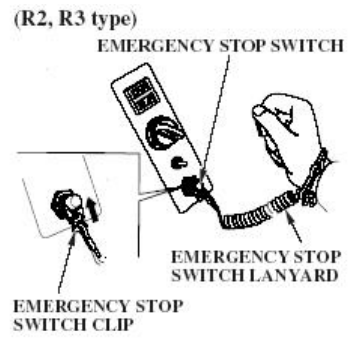
(R2, R3 type)





Emergency stop switch

Emergency stop switch lanyard



Emergency stop switch clip

Spare emergency stop switch clip

()
R1 Tilt lock lever Trim tab

R2, R3 Tightening bolt

Spare emergency stop switch clip

Anode metal (each side)
()

Anode metal (stern bracket)
()

()

Front

() ()

Rear

Engine cover fixing lever

Lock

Unlock

Open

Close

Fuel tank side -

Outboard side -

()

5.

, ()

,
L:
537 (21.1)

X (UL):
664 (26.1)

.
Y-OP (,
)/

.
(BF75A : 55.5 KW (75 PS),
BF90A : 66.2 KW (90PS)

,
.

()

,

,

250 (551)

()

“ ”

“ ”

:

“ ”

“ : ”

(

).

To lock

1.

(.86-93). Push

To change

Bent end up

Unlocked position

Ah

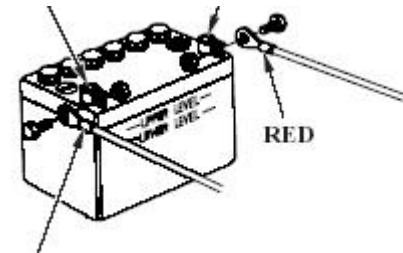
12 - 35
()

Locked position

Adjusting rod

3.

(-)
(+)



1.

2.

15

Panel-mount type control box and switch panel

Top-mount type control box (for single motor type) and switch panel

()

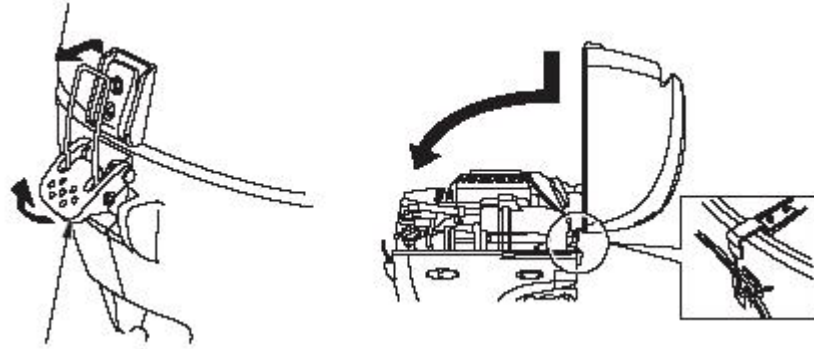
Top-mount type control box (for dual motor type)

()

Side-mount type control box

6.

BF75 /90



Engine cover fixing lever

Lock -

Front -

Unlock

Rear

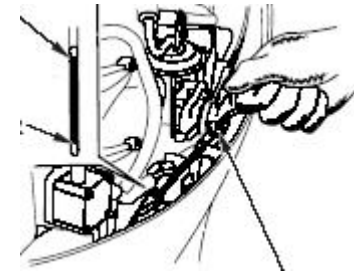
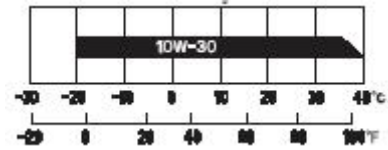
SG, SH

SAE 10W-30

API

SG, SH.

SAE



1.

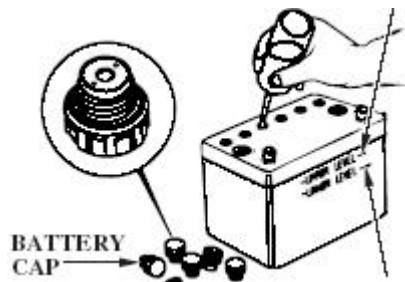
2.

3.

SG, SH.

Fuel Level
 (111).
Upper Level
 4.
Fuel Gauge ()
 .
 . (upper) .
 .
 .
 Oil filler cap 86 -). 91 - (.
 / .
 , .
 ():
 25 (6.6 , 5,5 lmp)

, :
 - , -
 - , ,
 - , : ,
 , ,
 - 10% , .
 (, (,), ,
). ,
 - , 5% , ,
 , , ,
 , , ,
 - ,
 - .



Battery cap =

Propeller

Cotter pin

- 1.
- 2.
- 3.

(R1, R2, R3

()

)

Steering friction adjusting knob =

Control lever friction adjuster

To increase friction

To decrease friction

Control lever friction screw

- (1) : , ; , .
- (2) , , / , :
- (3) 1.
- (4) 14 17 mm wrench 2.
14 17 3. :
- (5) 10x12 mm wrench , ,

(6)

,
.

10 12

4. / / ,

8 mm wrench

8

Philips screw driver

Oil check screwdriver

Flat screw driver

Starter rope

Pliers

Spark plug wrench

Tool bag

Owner's Manual

7.

Fuel line connector

Clip

:

Fuel tank side

Outboard motor side

1 (3.3)

1.

2.

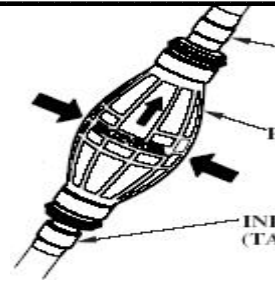
2 (6.6)

3. 2-3

Vent knob

Open

Equipped type



- ()
-
- ()

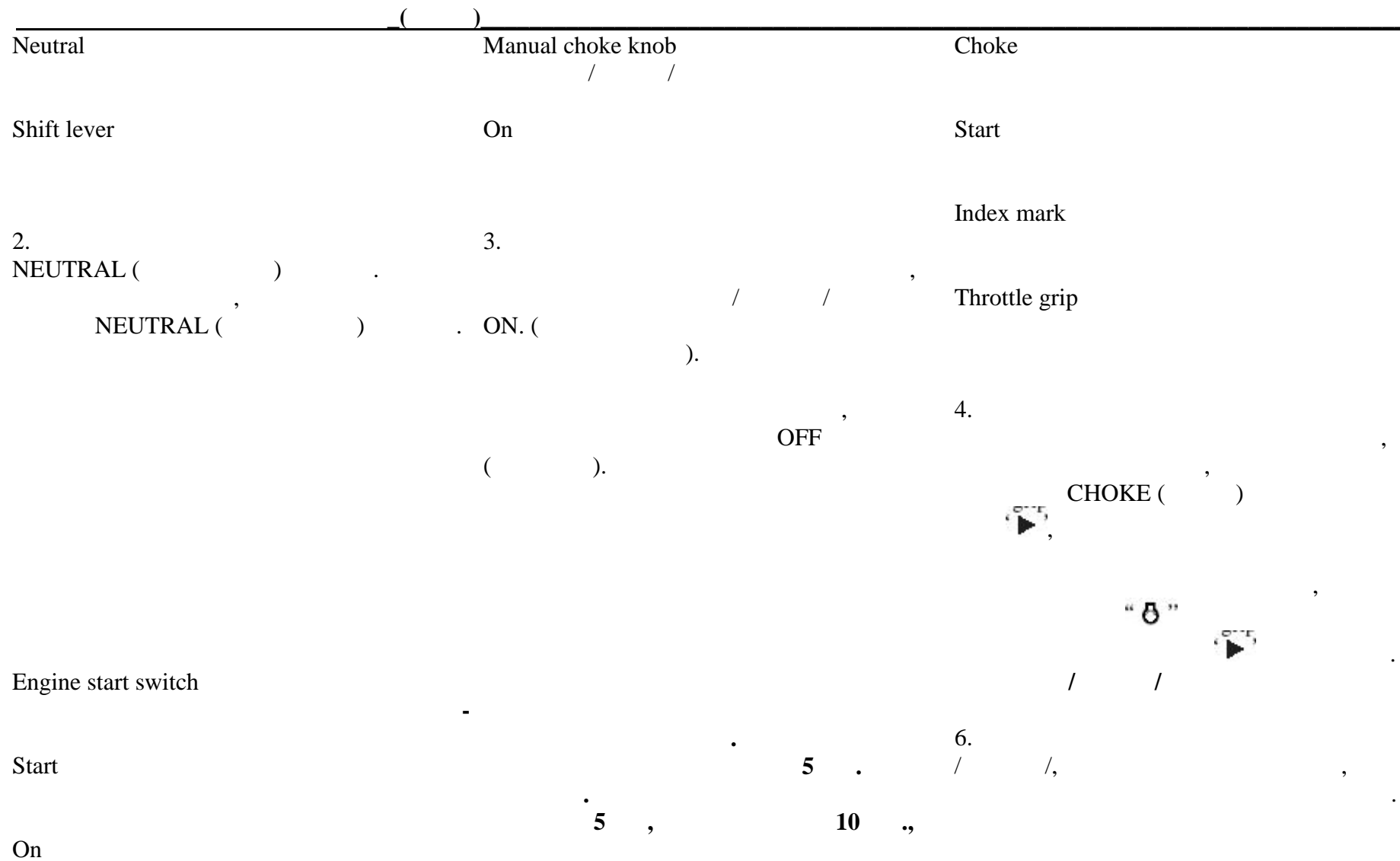
4. , -
(,) ,
 , , ,
 , , ,
 , , ,
 , / / .

Emergency stop switch () 1. Spare emergency stop switch clip

Emergency stop switch lanyard . Indicator light

Emergency stop switch clip





Off

-
START,
.

5.

START

Slow

Cooling water check hole

Throttle grip

Cooling water intake port (each side)
()

7.
SLOW

8.

_____ ()
 : ON () 10. , :
 : OFF () 5° (41°F) –
 Engine oil pressure indicator light = 2 3 .
 5° (41°F) –
 5 2000 .

9
 ON
 :
 , ,
 1) (.47)
 2)

Emergency stop switch 1. Spare emergency stop switch clip

Emergency stop switch lanyard .

Emergency stop switch clip .

R1

Neutral	(R) Choke	Engine switch key
Remote control lever	Fast idle	On
2. NEUTRAL ()	Free acceleration range	Start
() NEUTRAL	Fast idle lever	Off
3.		4. START
	()	
	NEUTRAL	
	()	

(R)

Cooling water check hole

5.

Cooling water intake port (each side)

5

()

10

6.

START,

Engine oil pressure indicator light

8.

5° (41°F) –

2

Normal: on

3

5° (41°F) –

Abnormal: off

5 2000

7.

ON.

1)

(.47)

2)

Emergency stop switch

:

Spare emergency stop switch clip

Emergency stop switch lanyard

Emergency stop switch clip

1,

Switch panel

/

R2, R3

	(R)	
Remote control lever	R3	Choke switch knob
	R2 :	
Neutral		On
R2		
2.		4.
NEUTRAL ()		ON.
	NEUTRAL	()
()		
3.		
Engine switch key	Fast idle button	R3
On	Remote control lever	:
Off	Neutral	
	R2	
5.		
START	6.	

-
 .
 . 5 .
 . 5 .
 10 .,
 .
 -
 .
START,
 .

Cooling water check hole

Cooling water intake port (each side)
()

7.

Engine oil pressure indicator light

Normal: on
:
Abnormal: off
:

8.

ON.

- 1) (.47)
- 2)

(R)

9.

5° (41°F) –

5° (41°F) –

2

3

5

2000

()

Cover bolts

Engine cover fixing lever

Clips

Unlock

Timing bolt cover

Front

2.

Rear

1.

()
4. , R1, R2, R3

3. / N
() .

() / , NEUTRAL :
R1 : (.33)
R2, R3 :

Remote control lever

Neutral

5. N ().

Engine switch key =

6. / / ON .

Choke knob (H type)
()

Manual choke knob (R type)
/ / (R)

R1 :

FAST IDLE.

R2, R3 :

R2:

Fast idle lever

Fast idle position

Remote control lever

Neutral

Fast idle button

7. : " " ()



8.

Knot

Emergency starter rope

Starter pulley

9. , , .
 ,
 “
 ” .75.

10. / / , , .

11. :
 SLOW () , .

R1 :
 - , .

R2, R3 :
 NEUTRAL () , - .

12. .
 .
 - .

		/
		(.124)
		, . (.33, 56, 61 65).

		<p>(.48)</p> <p>(.55)</p> <p>,</p> <p>(.55)</p> <p>(.114)</p>
	/ /	

8.

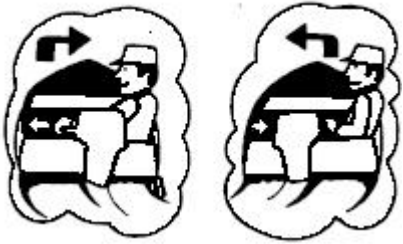
: 10
60 :
50% - 80%
4000 - 5000
8 :
(100%)
15 :
5
45 :
2000 - 3000
10% - 30%

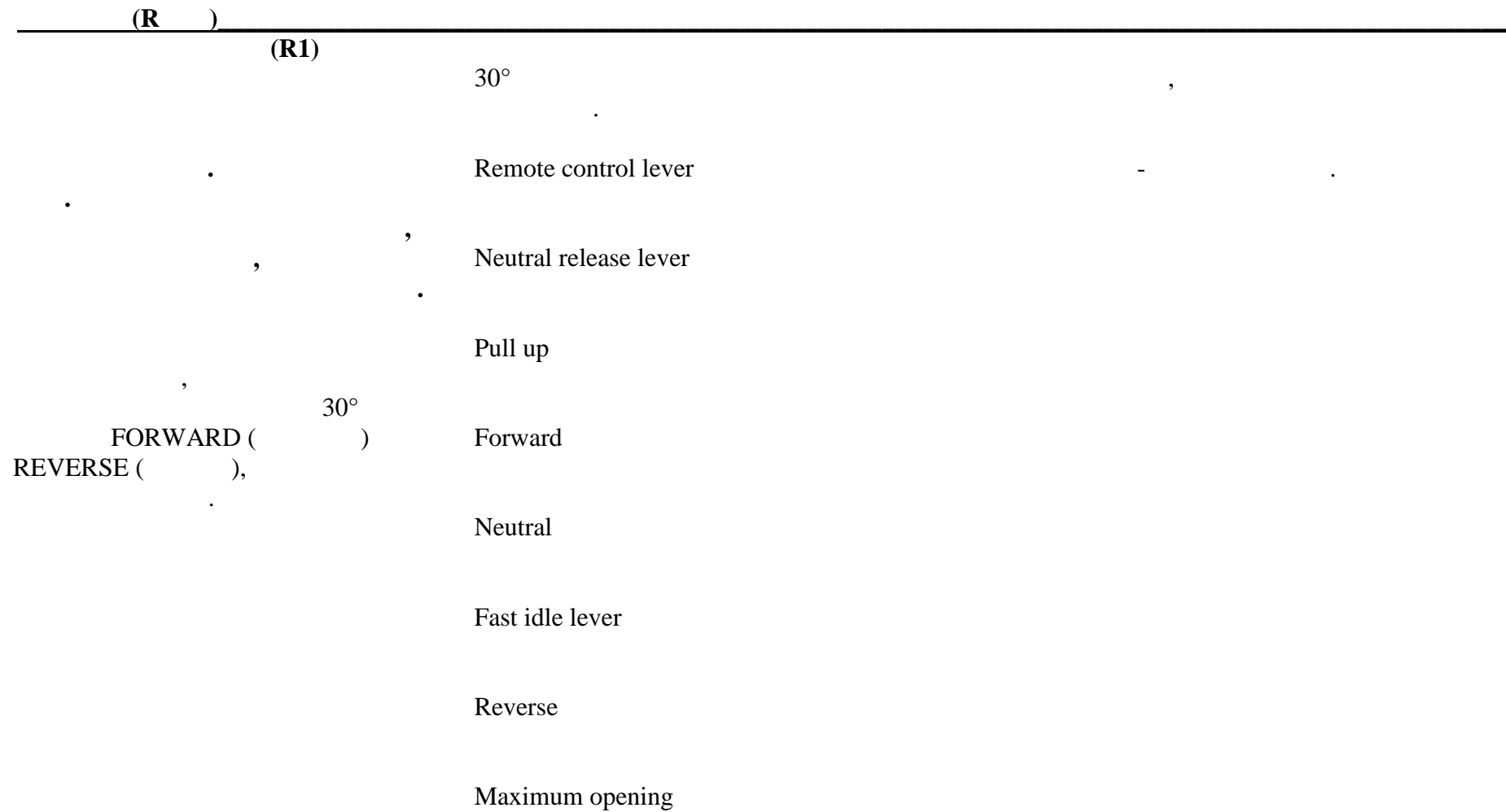
()	1.	SLOW ()	2.	
()	3 :			
FORWARD () , NEUTRAL () REVERSE () .				Slow
				Throttle grip
		(REVERSE)		Shift lever
		FAST () .		Reverse
		FAST () (FORWARD)		Neutral
				Forward
1. (G) RUN - (lock -)		DN () /		Tilt lever
		() -		Run (lock) - (lock -)
				Power trim/tilt switch
				Lowermost position

()

-
1. (FORWARD) , (FAST), , - , 5000 6000
 2. 80%. Throttle grip , - , , Throttle fixing knob - " " (.45)
 - Fast Fix / /
 - Release

()





(R)

(R2)

35°

Remote control lever

Neutral release lever

Pull up

35°

FORWARD ()

Forward

REVERSE (),

Neutral

Reverse

(R3)

/
35°

Remote control lever

FORWARD ()
 REVERSE (),
 35°

• Single type

Dual type

Forward

Neutral

Reverse

R1, R2

1. DN ()
/

R3 :
1.

1) : DN ()
/

2)

Right

Left

(R)	
2.	R1, R2 : 35°
NEUTRAL ()	- ,
FORWARD ()	5000 6000
R1 :	30°
	80%.
	Forward
	Neutral
	Reverse
	Remote control lever
	;
	:
	,
	.
	“ ” (.45)

(G)

2. TILT (). 3. .().

Neutral

Shift lever

1. NEUTRAL ()

Tilt lever

4. RUN (lock),

Run (lock) ()

5. TILT (),

2. LOCK,

3. RUN (lock =).

1. TILT ()

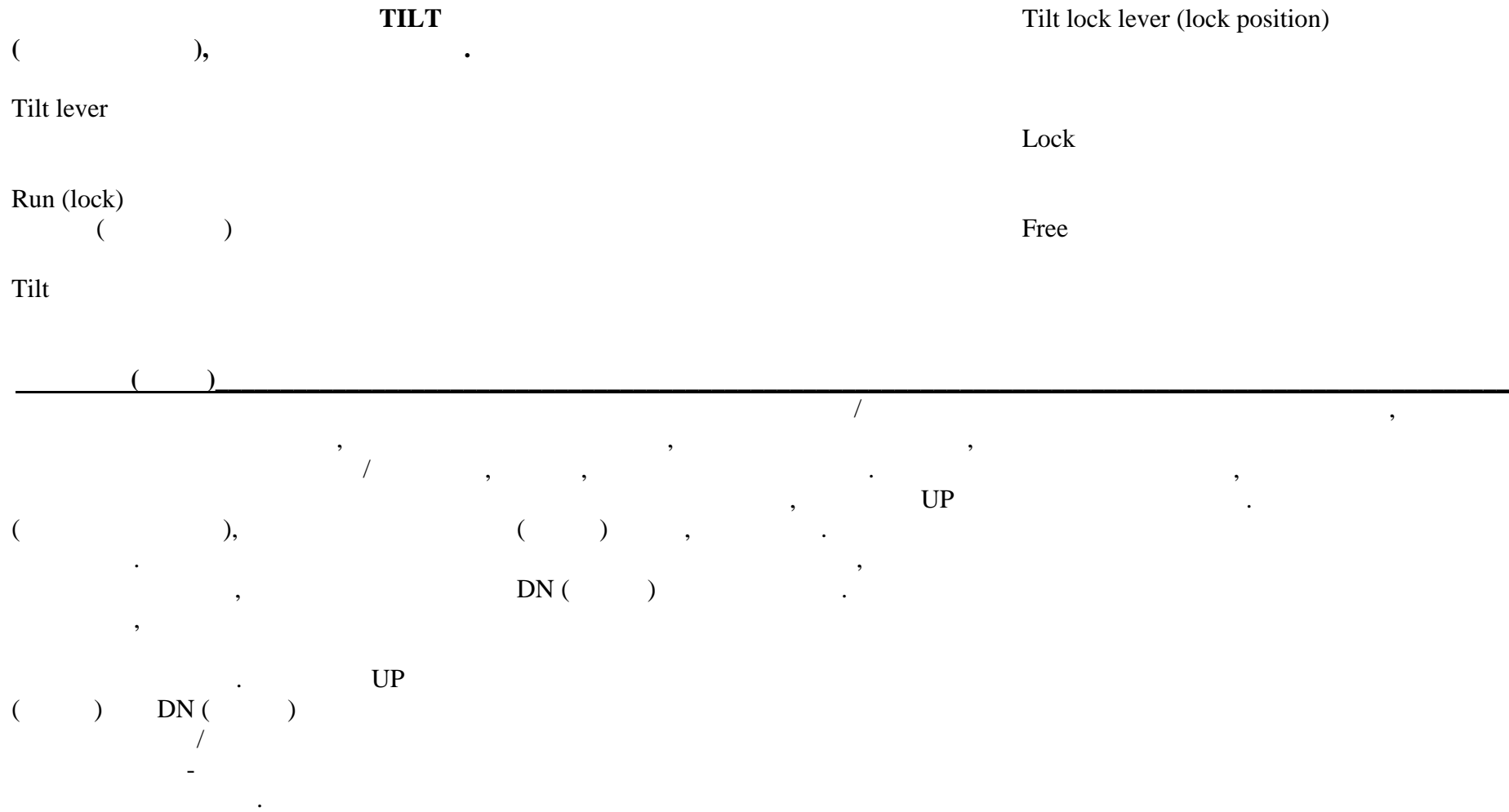
4. TILT

() FREE

(),

= RUN (lock Moorage =)

RUN (lock =).



()

Motor trimmed too low

- ,

Motor trimmed too high

- ,

Motor trimmed correctly

- ,

- .

- .

- :

() :

- ,

()

- .

()

- ,

() , DN () / UP

1.
2.

1.
2.

R1

UP () /

DN () /

,
.
,
.

()

-
1. NEUTRAL ()
 2. UP () / - .

H type
R1 type R1
R2 type R2
R3 type R3
Single type
Dual type
Left
Right
Power trim/tilt switch /

	1.	:
	2.	
NEUTRAL ()	3.	
Tilt lock lever	4.	LOCK
Lock		FREE
Stern bracket		
Power trim/tilt switch		
Left -		
Right -		

1 2
Power (to fix)
()

Manual (to release)
()

Left

Right

Trim tab

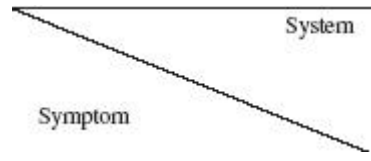
Tightening bolt



(
)

/

,
.
,
,
.
.
-
,
.
,



N
OFF

OFF
OFF

*1

ON
ON

*1

OFF
ON

*1

1400

*1:

Indicator lights

Oil pressure (green)
()

Overheat (red)
()

Buzzer

System

Symptom

On

Off

:

1. :

47) (. :

2. 1. NEUTRAL () .

30 , .

2. (30) .

30 ,

:

,

,

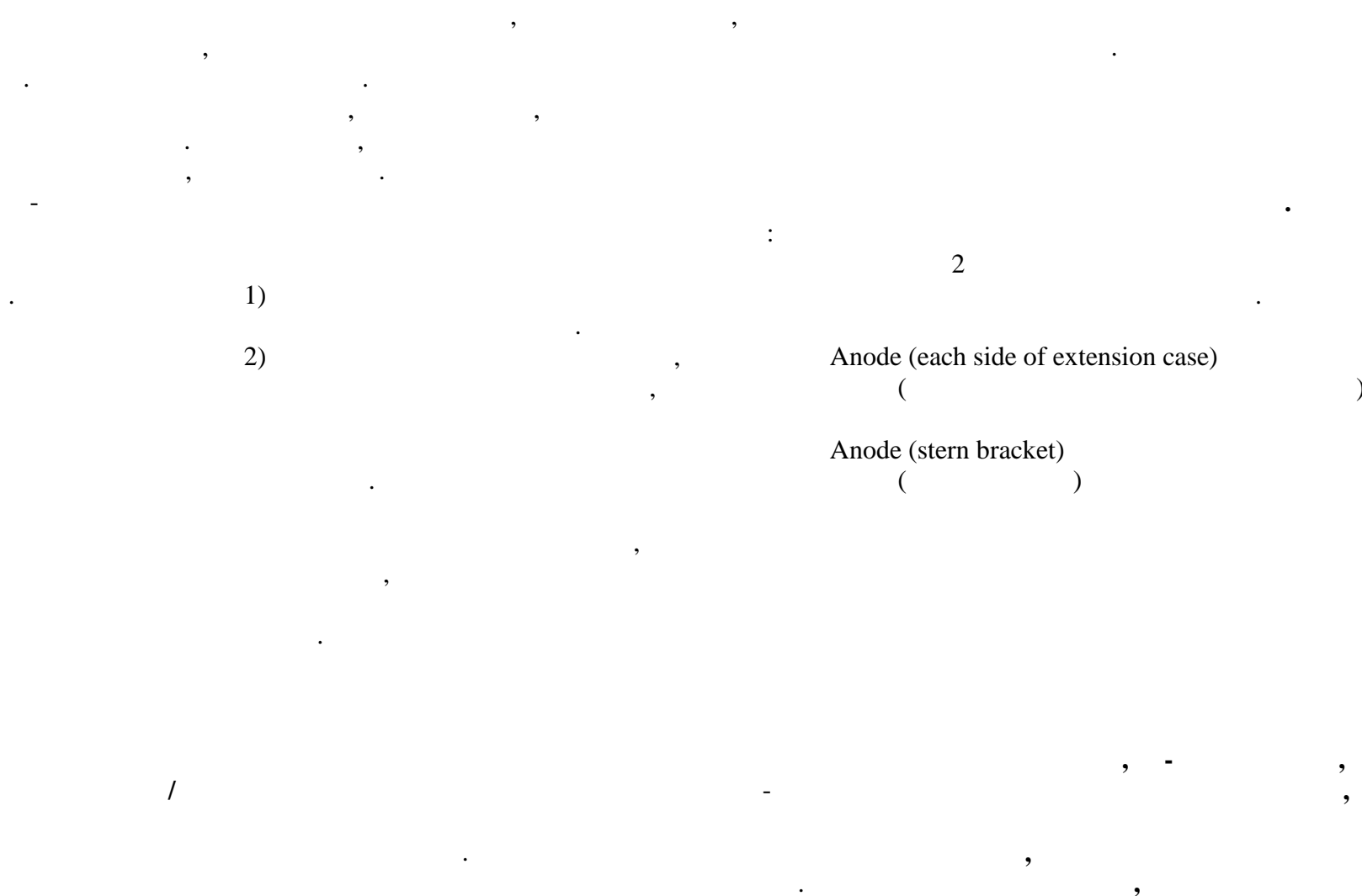
.

3.

30 , -

.

3.



· / · -
·
, 1 500 (5000) ,
,
(.86 91).
,
· , 3,5% 300 (1000)
,
· - ,
,
,
(G).

9.

1. SLOW
() .

Emergency stop switch

Emergency stop switch lanyard

Emergency stop switch clip

Slow

Throttle grip

2. NEUTRAL () .

Neutral

Shift lever (

3.

OFF,

4.

OFF,

Engine switch key

Off

(R)

1. SLOW ()

:

;

:

Remote control lever

Emergency stop switch lanyard

Emergency stop switch clip

Neutral

R1, R2, R3 type

R1, R2, R3

(R)

2.

OFF,

:

OFF,

Engine switch key

Engine switch

/

/.

3.

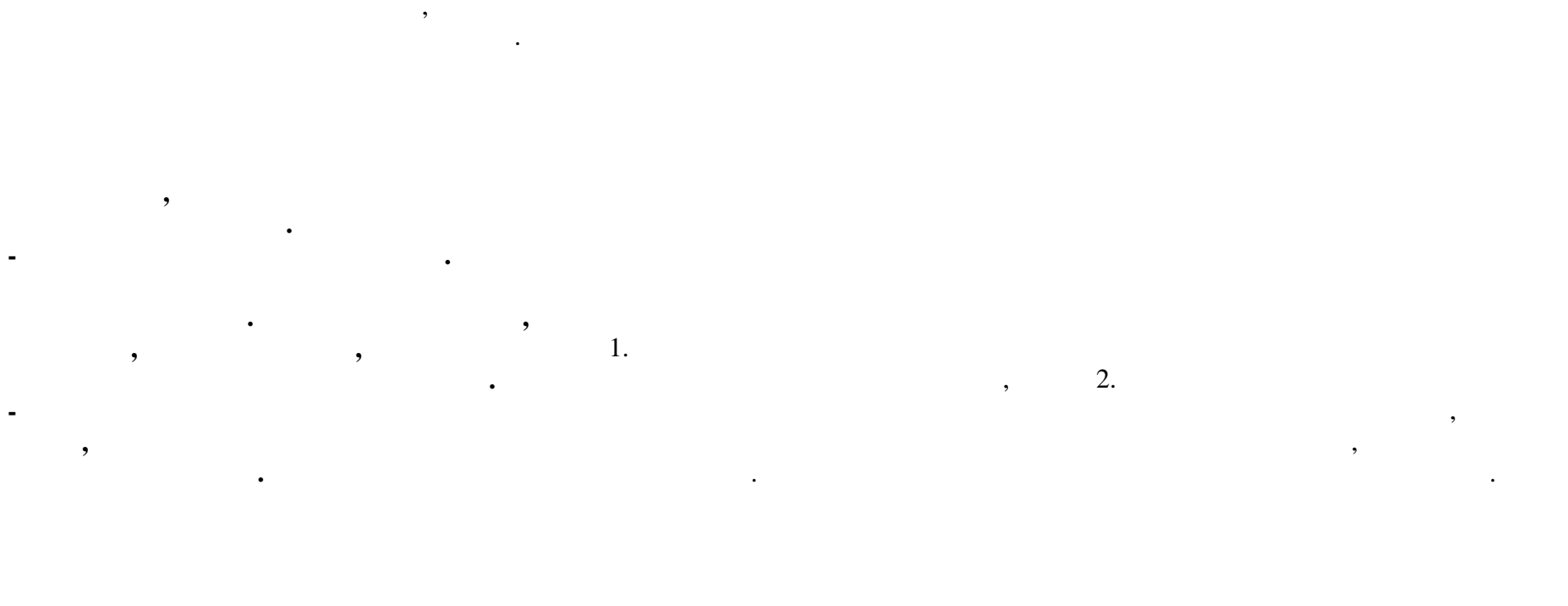
,

Off

R1, R2, R3 type

R1, R2, R3

10.



-
- 1. (. 128) Lifting eye
 - 2. Starter pulley
 - 3. Lifting eye
 - 4. Hoist hook

5.

6.

()

11.

3.
()

4.

Flush plug

5.

5 - 6

1.

6.

2.

Hose joint (optional)
()

Water hose =

12.

100 (4)

14x17 mm wrench
14x17

10x12 wrench
10 12

8 mm wrench
8

Flat screw driver -

Philips screw driver -

Oil check screwdriver -

Starter rope -

Pliers -

Screwdriver handle -

Spark plug wrench -

Spare emergency stop switch clip

Tool bag -

(3)			20	6 100	200	2 400	.
							47
							111
M			(2)	(2)			----
					(2)		----
-					(2)		----
-			(2)	(2)			----
-			(2)	(2)			----

-					(2)		----
-							114
							114
							51
							97
			(1)	(1)			118
							122

(1) - , :

(2) ,

(3) , .

(3)			20	6 100	200	2 400	.
					(2)		----
							120
							121
	2 53 () (2) -----						

							50
			(2)	(2)			-----
					(2)		-----
			(4)				106
					(2)		-----

(1) :
(2) ,

(3) ,
(4) ,

2.

20 :
1. 100
6

Drain plug cover

Drain plug cover screw

4.0 (4.21 US qt, 3.5 lmp qt)... Oil filler cap =

4.5 (4.76 US qt, 3.96 lmp qt)..

SAE 10W-30 :
, API
SG, SH

3.
4.

5.

6.

, 12

Upper level

:

Lower level

Guide

Oil level dipstick

Sealing washer

Drain bolt

Oil filler cap =

20 :
, 100
6 .

1.
2.
3.

0.95 (1.00 US qt, 0.84 Imp qt)..

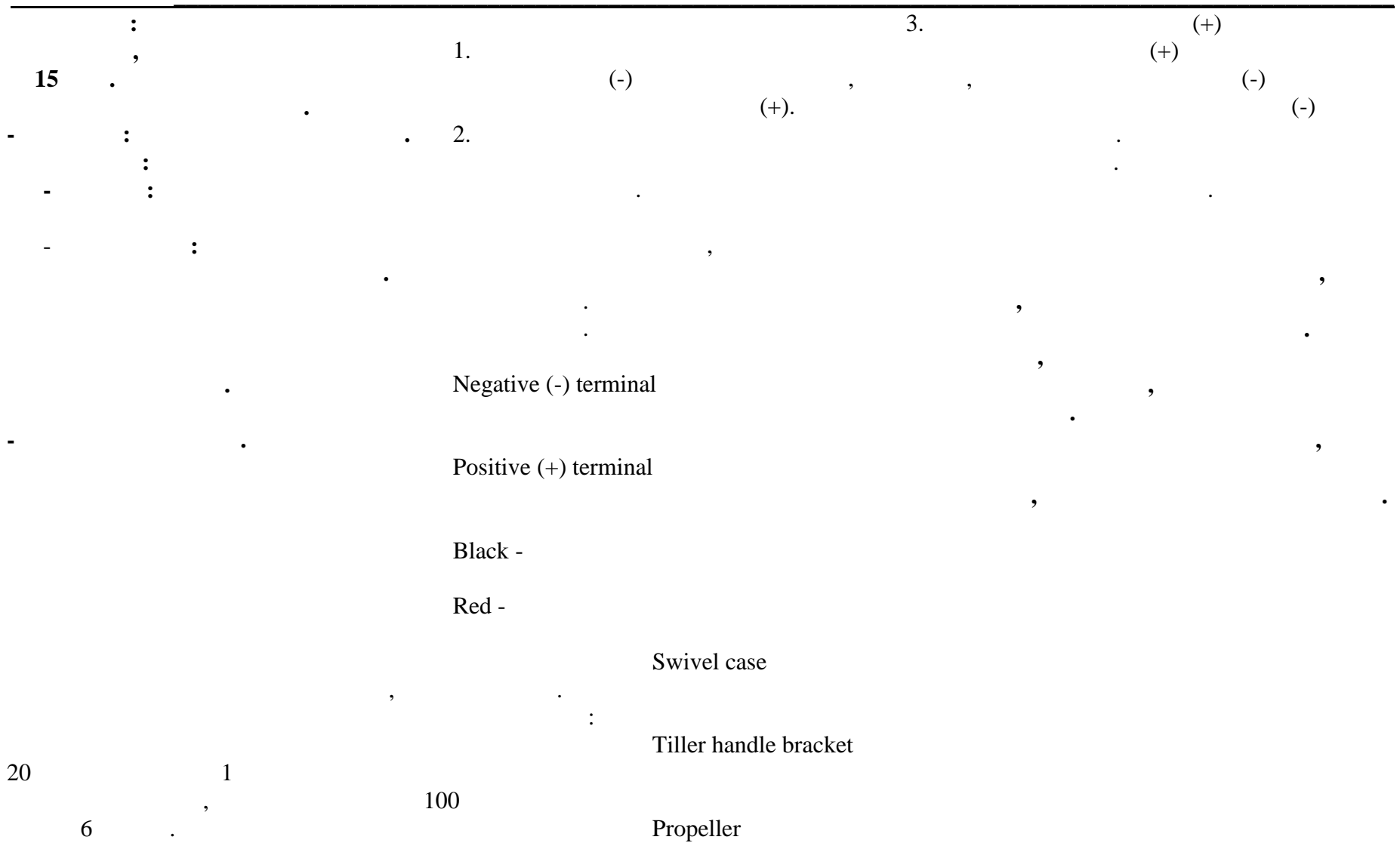
Gear oil check plug =

SAE #90 :
(GL-4 GL-5) , API

			5.	
				0.60-0.70
		14x17 mm wrench	(0.024-0.028)	
		14 17		
		1.	6.	
		2.	7.	
		3.	17	
		4.		Mm =
100	6			In =
200	1			
DR7EA (NGK)				
X22ESR-U (DENSO)				

, : 1/2 8. (1, 2,
 3, 4)
 , 1/8
 - 1/4 , . Mark
 . Cylinder
 . No

. : ,
 , , . ,
 , . :
 . , ,
 : , .
 .



- : , Tiller handle pivot shaft

- - , . Throttle grip shaft

Throttle friction knob

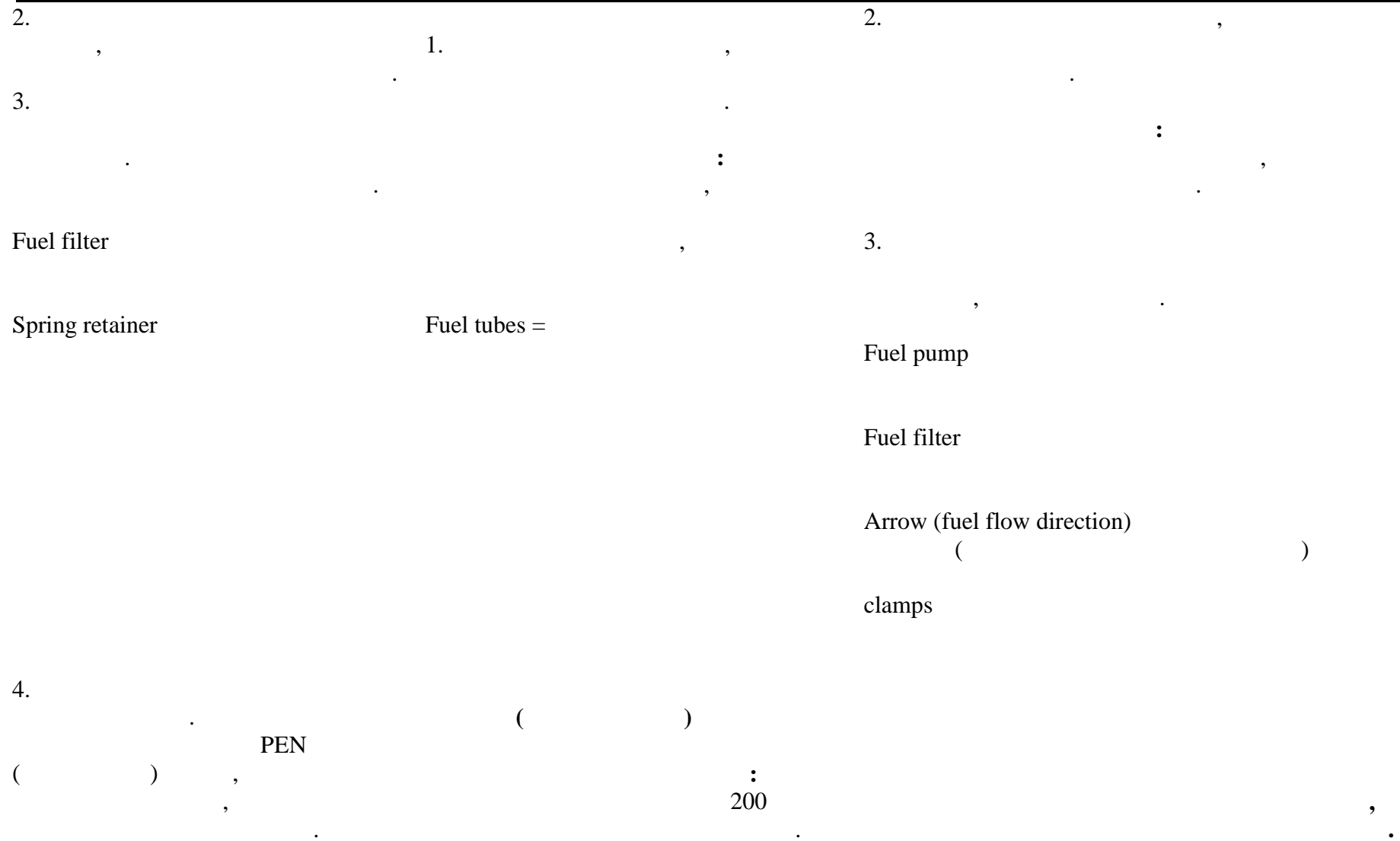
Shift lever shaft

Steering friction shaft/block
/

Grease

Choke arm, choke knob shaft	,
Throttle reel	
Shift shaft cam, detent roller	,
Transom angle adjusting rod	
Tilt lock lever, shaft cam	,
Tilt shaft	
Throttle arm, shift arm shaft	,
Grease	

100 6 : 400 - , 1. (.46).
Pull
push
Fuel pump
Fuel filter



: Fuel line =

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

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

Fuel tank connector -

Filter -

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

Fuse	()	Fuse case lid		,	.
Blown fuse	()	30A fuse	, <td data-bbox="1765 376 1778 402">. <td data-bbox="1818 338 1832 363">. </td></td>	. <td data-bbox="1818 338 1832 363">. </td>	.
		30			,
		Spare fuse 30A	30		.
				4.	
		1.	, 19	, 18	.
		2.		-	:
		3.		-	
-					,
					.
-					.(
					,
,					,
					.)

3. . 4. (.
 111).
 / .70-73/.

1.

2.
 128)

Emergency starter rope =

6. LOCK () FIXING LEVER 8.

() (46).

7.

- , , ,

- , ,

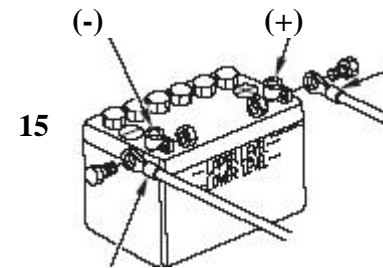
- 30 .

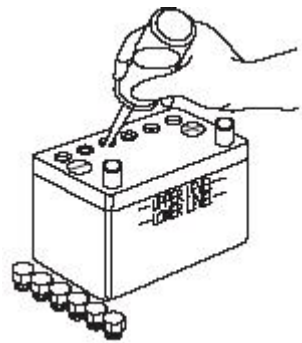
- 1/2 (, - 100 (4)

).

13.

1. (5. ,
.46).
 2. (.103).
#4
 3. #4 6.
#4.
 4. #1, #2 #3
#4.
- Drain screw (#... carburetor) =
(...) 2000 – 3000

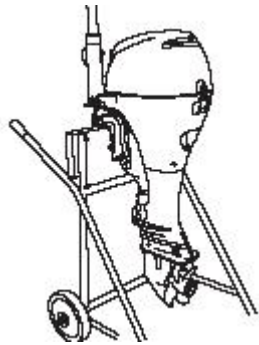




3.

4.

5.



1.

(-)

2.

(+).



,

.

.

-
-
-
-
-
-
-
-
-
-

-
-
-
-
-

() () ()

15.

	BF75		: API	(SG, SH)
	BBAL		: API	(GL-4/5) SAE 90
	BBAU			
	LHD			
	LHTD			
	LRTD		:	: 4.0 (4.2 US qt, 3.5 lmp qt)
	LRTE			
	LRTU	4.50		(4.76 US qt, 3.96 lmp qt)
	LRTW			
	XRTD		: 0.95	(1.00 US qt, 0.84 lmp qt)
			12V – 16A	
	H			
	HT			
	RT			
	910	(35.8)		
	760	(29.9)		DR7EA (NGK), X22ESR-U (DENSO)
590	(23.2)			
	480	(18.9)	(91	, 86 -)

L		25 (6.6 . , 5.5 lmp)
X		- - ()
	1590 (62.6)	30°
	-----	5 (8°, 12°, 16°, 20°, 24°)
	1720 (67.7)	-----
L		
X	537 (21.1)	

	664 (26.1)	
L		
X	170 (375)	
	175 (386)	
	170 (375)	

	175 (386)	

<p>55.2 kW (75 PS)</p> <p>5000 – 6000 ()</p> <p>4- , OHC in-line, 4</p> <p>1590 ³ (97.0 u –)</p> <p>0.60 – 0.70 (0.024 – 0.028)</p> <p>C.D. I.</p>	
--	--

ISO 8665 ()

<p>BF90</p> <p>BB L</p> <p>BBBU</p> <p>LHD</p> <p>LHTD</p> <p>LRTD</p> <p>LRTE</p> <p>LRTU</p> <p>LRTW</p> <p>XRTU</p> <p>XRTW</p> <p>XRTD</p> <p>XRTE</p>	<p>: API (SG, SH)</p> <p>: API (GL-4/5) SAE 90</p> <p>: : 4.0 (4.2 US qt, 3.5 Imp qt)</p> <p>4.50 (4.76 US qt, 3.96 Imp qt)</p> <p>: 0.95 (1.00 US qt, 0.84 Imp qt)</p> <p>12V – 16A</p>
--	--

		H HT RT		
				DR7EA (NGK), X22ESR-U (DENSO)
		910	(35.8)	
		760	(29.9)	
		590	(23.2)	
		480	(18.9)	
L				(91 , 86 -)
X				25 (6.6 . , 5.5 lmp)
		1590	(62.6)	
		-----		- - ()
		1720	(67.7)	
L				30°
X				5 (8°, 12°, 16°, 20°, 24°)
		537	(21.1)	
		-----		-----
		664	(26.1)	
L				
X				
		170	(375)	
		175	(386)	
		170	(375)	

<p>----- 175 (386)</p> <p>66.2 kW (75 PS)</p> <p>5000 – 6000 ()</p> <p>4- , OHC in-line, 4</p> <p>1590 ³ (97.0 u –)</p> <p>0.60 – 0.70 (0.024 – 0.028)</p> <p>C.D. I.</p>	
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ISO 8665 ()