WSM

WORKSHOP MANUAL

TRACTOR,ROTARY MOWER, FRONT LOADER

BX1860,BX2360,BX2660, RCK48-18BX,RCK54-23BX, RCK60B-23BX,RCK48P-18BX, RCK54P-23BX,LA203,LA243

Kubota

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1. TROUBLESHOOTING

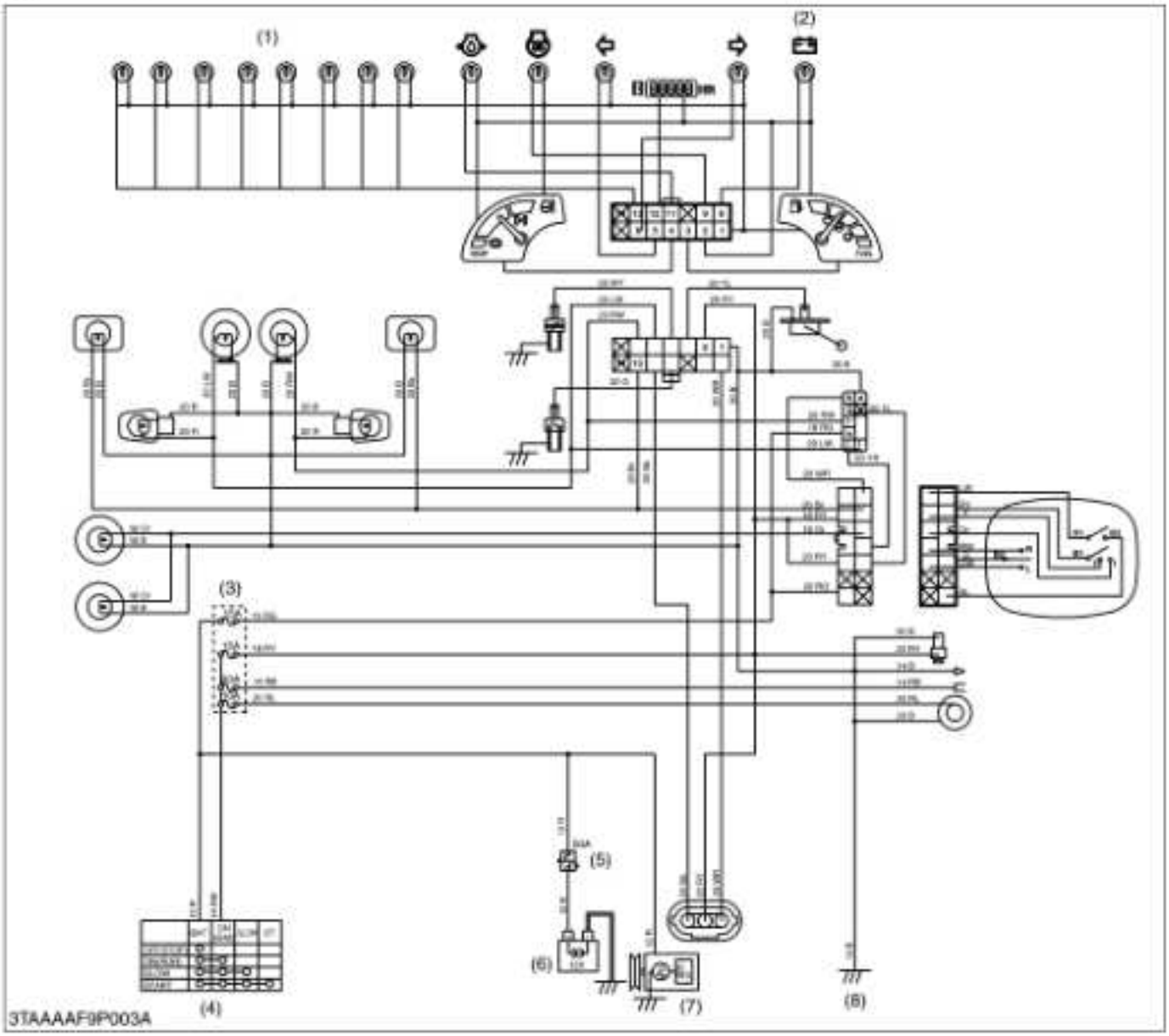
Symptom	Probable Cause	Solution	Reference Page
Cannot Be Steered	Steering controller malfunctioning	Replace	4-S5
Hard Steering	Power steering oil improper	Change with specified oil	G-7
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	Steering controller malfunctioning	Replace	4-S5
Steering Force Fluctuates	Steering controller malfunctioning	Replace	4-S5
	Flow priority valve malfunctioning	Replace	5-M6
	Air sucked in pump due to lack of oil	Replenish	G-7
	Air sucked in pump from suction circuit	Repair	5-S13
Steering Wheel Turns Spontaneously When Released	Steering controller malfunctioning	Replace	4-S5
Front Wheels Wander to Right and Left	Steering controller malfunctioning	Replace	4-S5
	Air sucked in pump due to lack of oil	Replenish	G-7
	Air sucked in pump from suction circuit	Repair	5-S13
	Insufficient bleeding	Bleed	G-30
	Cylinder malfunctioning	Repair or replace	4-S8
	Improper toe-in adjustment	Adjust	3-S4
	Tire pressure uneven	Inflate	G-41
Wheels Are Turned to a Direction Opposite to Steering Direction	Cylinder piping connected in reverse	Repair	4-S6, S7
Steering Wheel Turns Idle in Manual Steering	Insufficient bleeding	Bleed	G-30
	Air sucked in due to lack of oil	Replenish	G-7
Noise	Air sucked in pump due to lack of oil	Replenish	G-7
	Air sucked in pump from suction circuit	Repair	5-S13
	Pipe deformed	Replace	–
Oil Temperature Increases Rapidly	Steering controller (relief valve) malfunctioning	Replace	4-S5

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3. CHARGING SYSTEM

[1] ELECTRICAL CIRCUIT



(1) Illumination Light
(2) Battery Charge Lamp
(3) Fuse
(4) Main Switch
(5) Slow Blow Fuse
(6) Battery
(7) Alternator
(8) Frame Earth

The charging system supplies electric power for various electrical devices and also charges the battery while the engine runs.

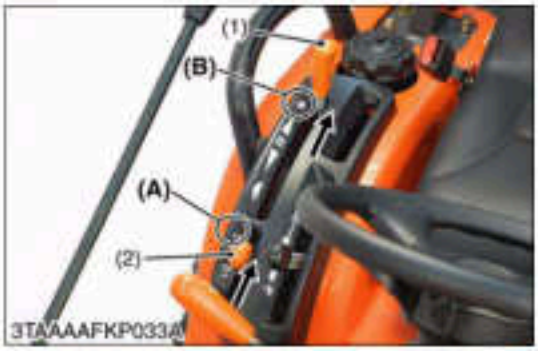
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SPECIFICATIONS

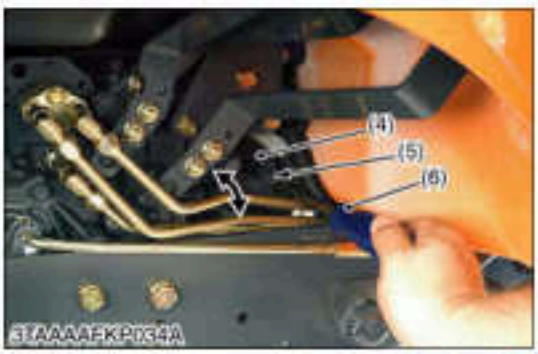
Model		RCK60B-23BX	RCK54P-23BX	RCK54-23BX	RCK48P-18BX	RCK48-18BX
Suitable tractor		BX2360 BX2660	BX2360	BX1860 BX2360	BX1860	
Mounting method		Quick-Joint, Parallel linkage				
		Self-balance suspended linkage	Suspended linkage			
Adjustment of cutting height		Dial gauge				
Cutting width		1524 mm (60 in.)	1375 mm (54 in.)	1372 mm (54 in.)	1225 mm (48 in.)	1219 mm (48 in.)
Cutting height		25 to 102 mm (1.0 to 4.0 in.)				
Weight (Approx.)		115 kg (250 lbs)	86 kg (190 lbs)	95 kg (210 lbs)	82 kg (181 lbs)	75 kg (165 lbs)
Blade spindle speed		44.1 r/s (2647 rpm)	49.5 r/s (2969 rpm)		54.7 r/s (3281 rpm)	
Blade tip velocity		72.5 m/s (14271 fpm)	73.8 m/s (14527 fpm)		72.8 m/s (14331 fpm)	
Blade length		523 mm (20.6 in.)	475 mm (18.7 in.)		424 mm (16.7 in.)	
Number of blades		3				
Dimensions	Overall length	1000 mm (39.4 in.)	908 mm (35.7 in.)	928 mm (36.5 in.)	881 mm (34.7 in.)	895 mm (35.2 in.)
	Overall width	1930 mm (76.0 in.)	1700 mm (67.0 in.)	1780 mm (66.5 in.)	1550 mm (61.0 in.)	1544 mm (60.8 in.)
	Overall height (Min.)	281 mm (11.0 in.)	291 mm (11.5 in.)	281 mm (11.0 in.)	291 mm (11.5 in.)	268 mm (10.5 in.)

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Adjustment of HST Neutral Position

1. Start the engine.
2. Keep the engine at the maximum revolution.
3. Shift the range shift lever (1) to "**Hi**" position **(B)**.
4. Loosen the locking screw (5).

■ **NOTE**

- **When adjusting the HST neutral position, loosen the locking screw approximately 2 turns counterclockwise not to drop the nut inside.**
- **Make sure 4WD lever is set to 2WD before making adjustment.**

(Forward to Neutral Position)

5. Depress the speed control pedal (3) to "**Forward**" speed position, and release the foot from the speed control pedal (3). Check that the rear axle (or the wheel) stops rotating.
   If the rear axle (or the wheel) does not stop rotating, move the position of the locking screw (5) to the machine front side to stop rotating.

(Reverse to Neutral Position)

6. Depress the speed control pedal (3) to "**Reverse**" speed position, and release the foot from the speed control pedal (3). Check the rear axle (or the wheel) stops rotating. If the rear axle (or the wheel) does not stop rotating, adjust the locking screw (5) to stop rotating.
7. After adjusting the neutral position, tighten the lock screw (5) securely.

(1) Range Gear Shift Lever
(2) Front Wheel Drive
(3) Speed Control Pedal
(4) Neutral Adjust Lever
(5) Locking Screw
(6) Screw Driver

(A) 4WD "OFF" Position
(B) "Hi" Position
(C) FORWARD
(D) REVERSE

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Battery

CAUTION

- **When disconnecting the battery cables, disconnect the negative cable from the battery first. When connecting, connect the positive cable to the battery first.**

1. Remove the under panel (1).
2. Disconnect the negative cable (2) from the battery.

(1) Under Panel
(2) Battery
(3) Negative Cable

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Bonnet and Under Cover

1. Open the bonnet (1), disconnect the connectors (3) for the head lights, then remove the bonnet with the bonnet bracket (4).
2. Remove the under cover (2).

(1) Bonnet
(2) Under Cover
(3) Connector
(4) Bonnet Bracket

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Front Wheel and Propeller Shaft Cover

1. Lift up the front of tractor and place the disassembling stand under the front axle frame.
2. Remove the front wheels.
3. Remove the propeller shaft cover mounting bolt and slide the propeller shaft cover (1).

(When reassembling)

Tightening torque	Front wheel mounting screw	149 to 179 N·m 15.2 to 18.3 kgf·m 110 to 132 lbf·ft

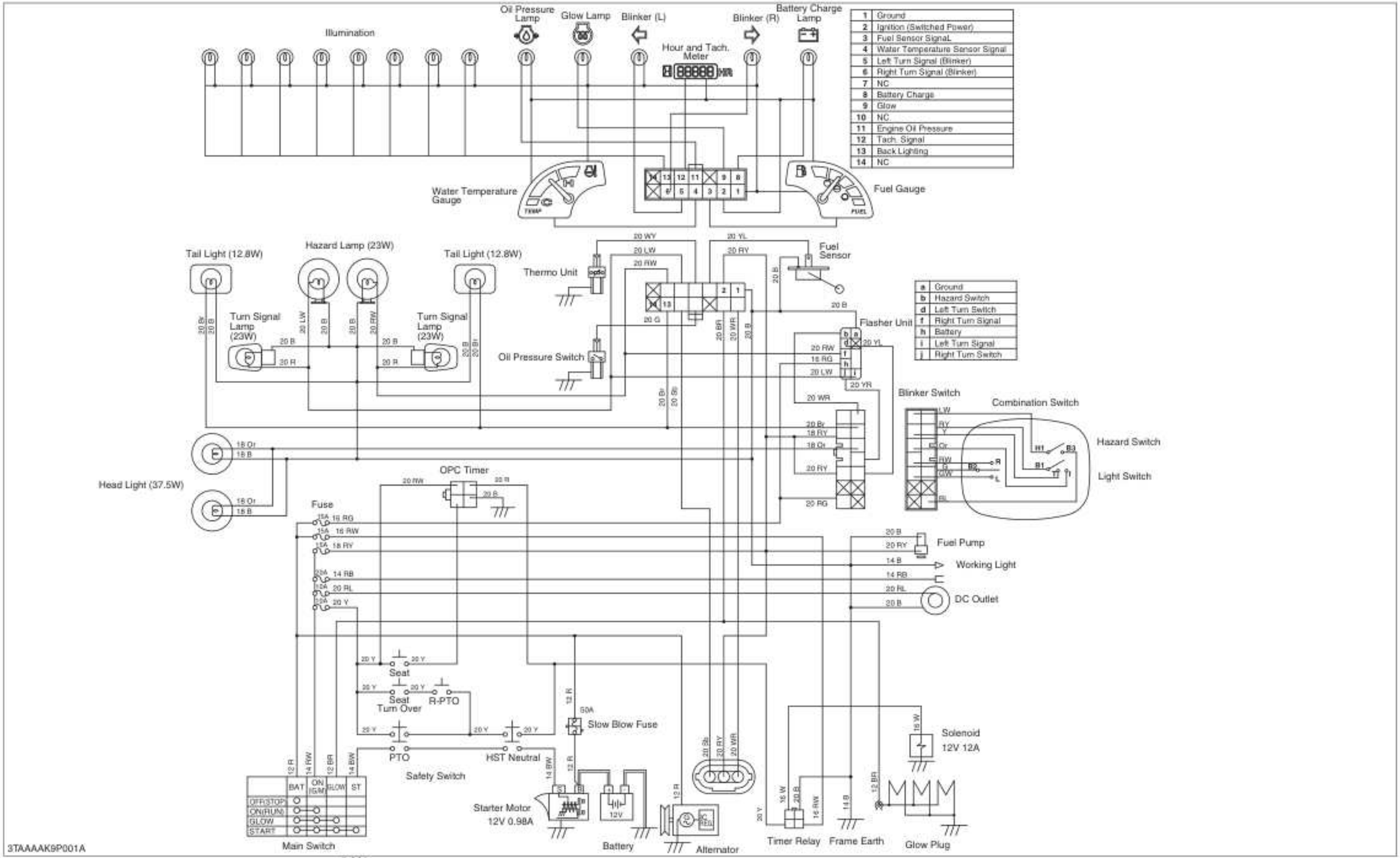
(1) Propeller Shaft Cover

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1. WIRING DIAGRAM



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6-M1

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