Paper book Part no. 66ZV400

PREFACE

This manual covers the construction, function and servicing procedure of the Honda BF9.9A, BF15A outboard motors. Careful observance of these instructions will result in better, safer service work.
Illustrations in this manual are based primarily on the BF15A LCS.

ALL INFORMATION, ILLUSTRATIONS, DIRECTIONS AND SPECIFICATIONS INCLUDED IN THIS PUBLICATION ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF APPROVAL FOR PRINTING. HONDA MOTOR CO., LTD. RESERVES THE RIGHT TO MAKE CHANGES WITHOUT INCURRING ANY OBLIGATION WHATEVER. NO PART OF THIS PUBLICATION MAY BE REPRODUCED WITHOUT WRITTEN PERMISSION.

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SPECIFICATIONS

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SPECIFICATIONS

DIMENSIONS AND WEIGHTS

Model	BF9.9A				BF15A			
Description code	BABS		BABL		BAAS		BAAL	
Item / Type	SC, SD	SCS, SDS	LC, LD	LCS, LDS	SC, SD	SCS, SDS	LC, LD	LCS, LDS
Overall length Overall width	550 mm (21.7 in) 320 mm (12.6 in)							
Overall height	1,050 mm (41.3 in)		1,180 mm (46.5 in)		1,050 mm (41.3 in)		1,180 mm (46.5 in)	
Dry weight	42 kg (92.6 lb)	46 kg (101.4 lb)	43 kg (94.8 lb)	47 kg (103.6 lb)	42 kg (92.6 lb)	46 kg (101.4 lb)	43 kg (94.8 lb)	47 kg (103.6 lb)
Operating weight (incld. oil)	43 kg (94.8 lb)	47 kg (103.6 lb)	44 kg (97.0 lb)	48 kg (105.8 lb)	43 kg (94.8 lb)	47 kg (103.6 lb)	44 kg (97.0 lb)	48 kg (105.8 lb)
Transom height	440 mm (17.3 in)		570 mm (22.4 in)		440 mm (17.3 in)		570 mm (22.4 in)	
Transom angle Tilting Swivel angle	5 stage adjustment (4°–8°–12°–16°–20°) 3 stage adjustment (30°, 45° and 70°) 40° (Right, Left)							

ENGINE

Type Total piston displacement Bore x stroke	2 cylinder, in-line, 4 stroke, water-cooled, OHC 280 cm³ (17.1 cu in) 58 x 53 mm (2.3 x 2.1 in)	
Maximum horsepower	7.28 kw (9.9HP) 5,500 rpm (Propeller shaft)	11.03 kw (15HP) 6,200 rpm (Propeller shaft)
Maximum torque	17.4 N·m (1.74 kg-m, 12.66 ft-lb) (Propeller shaft)	19.8 N·m (1.98 kg-m, 14.32 ft-lb) (Propeller shaft)
Compression ratio	8.6 : 1	
Fuel consumption ratio	270 g/PSh (0.60 lb/hp·h)	264 g/PSh (0.58 lb/hp·h)
Cooling system Ignition system Ignition timing	Forced water circulation by impeller pump with thermostat CDI 5°–35° B.T.D.C	
Spark plug	DR-5HS (NGK), X16FSR-U (ND)	DR-6HS (NGK), X20FSR-U (ND)
Carburetor Lubrication system Lubricant capacity Starting system Stopping system Fuel Fuel tank capacity Fuel pump Exhaust system	Horizontal type, butterfly valves Pressure lubrication by trochoid pump 1.1 ℓ (2.33 US pt, 1.94 Imp pt) Recoil starter (SC, SD, LC, LD Type) recoil starter and electric starter (SCS, SDS, LCS, LDS Type) Grounding of primary circuit Regular automotive gasoline (86 pump octane; unleaded preferred) 13.0 ℓ (3.43 US gal, 2.86 Imp gal) Mechanical plunger type Underwater type	

LOWER UNIT

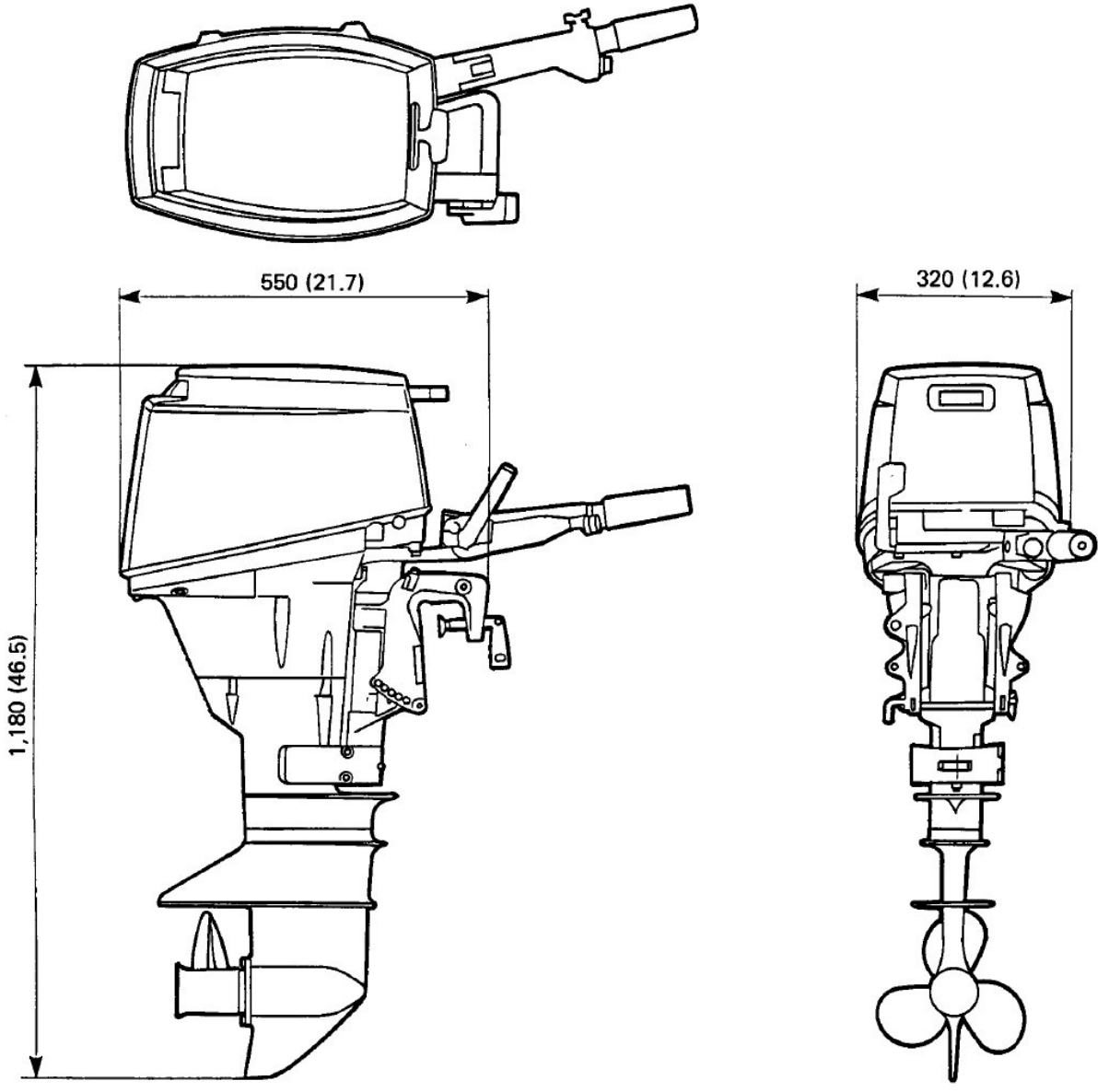
Clutch Gear ratio Gear case oil capacity Propeller No. of blades-Dia. x Pitch Rotating direction	Dog clutch (Forward — Neutral — Reverse) 0.48 (13/27) 0.24 ℓ (0.254 US qt, 0.211 Imp qt.) 3–240 mm x 240 mm (S), 3–240 mm x 220 mm (L) Clockwise (viewed from rear)

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DIMENSIONAL DRAWINGS

Unit: mm (in)

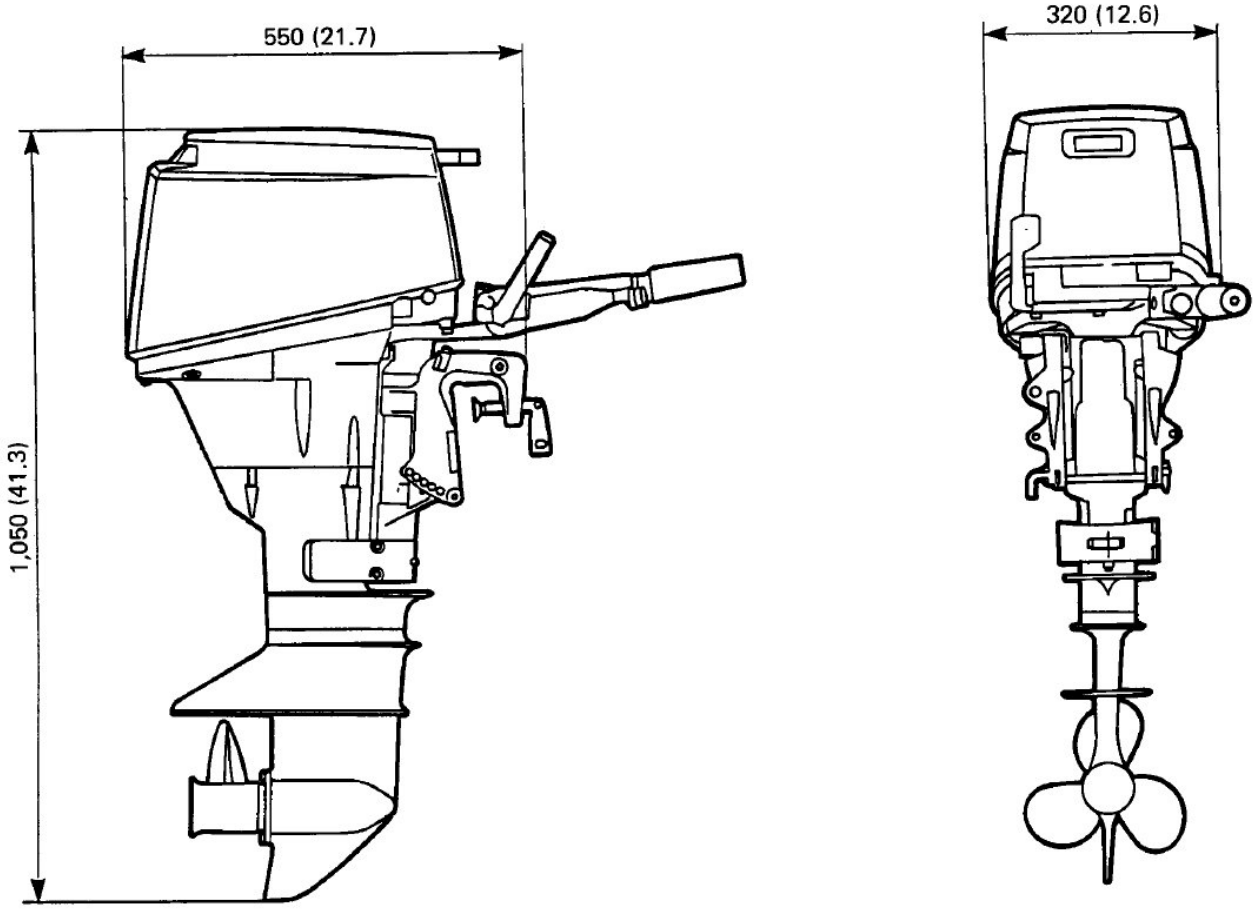
L Type Type L



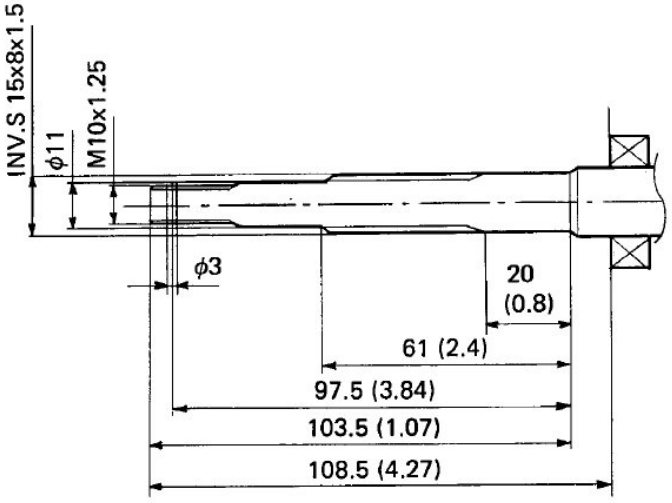
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S Type

Unit: mm (in)



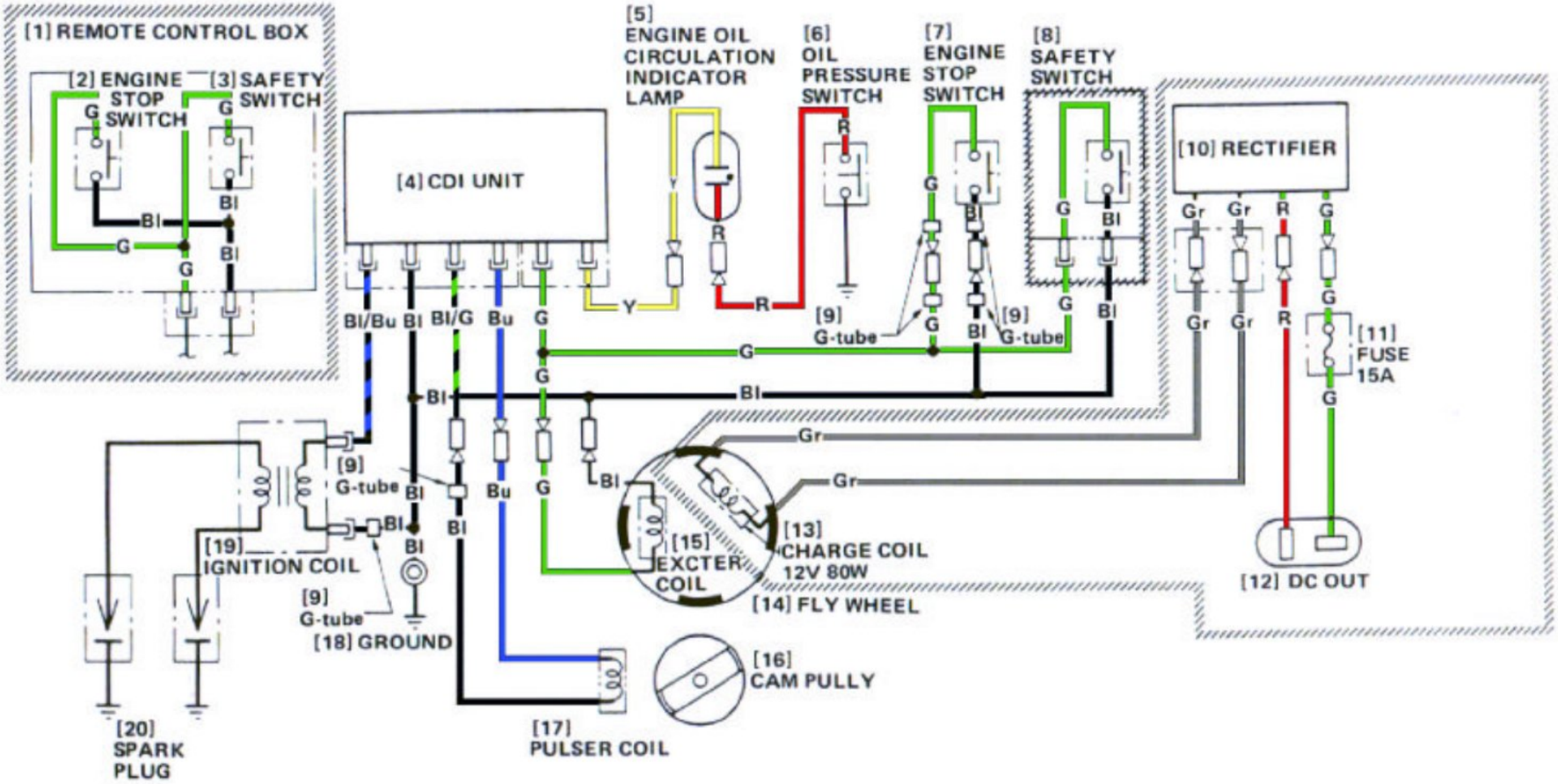
• PROPELLER SHAFT



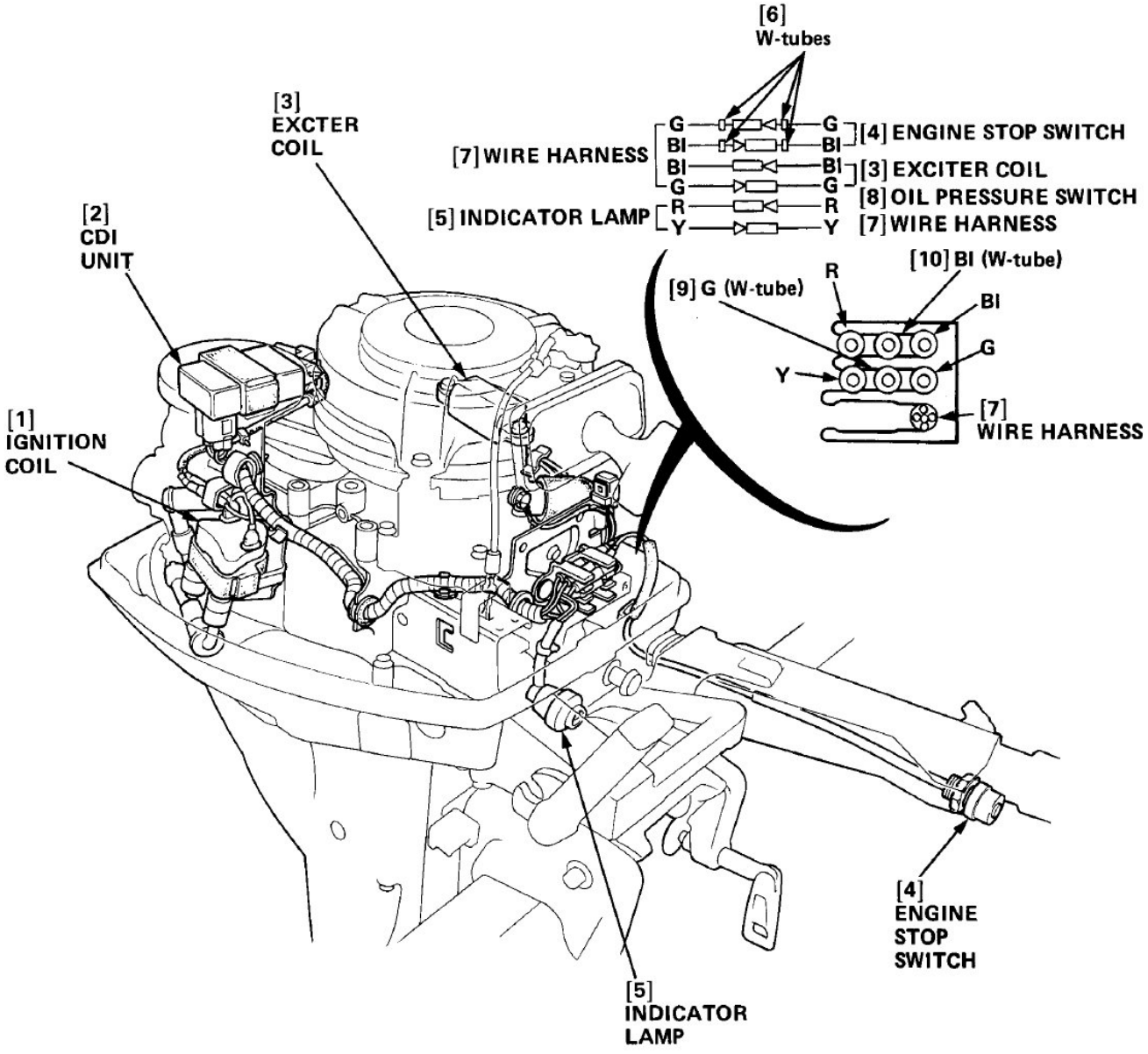
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WIRING DIAGRAM

SC, SD, LC, LD Type



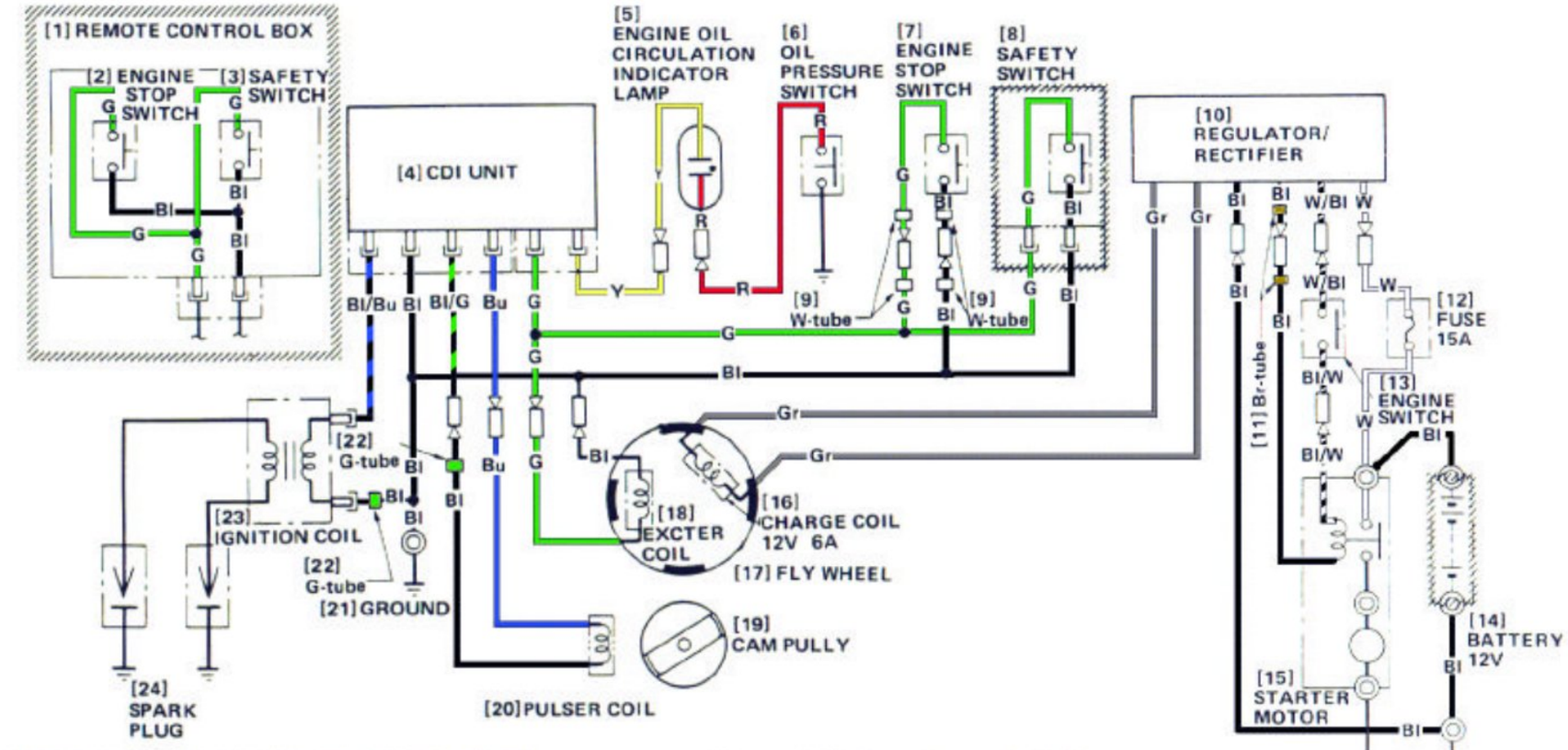
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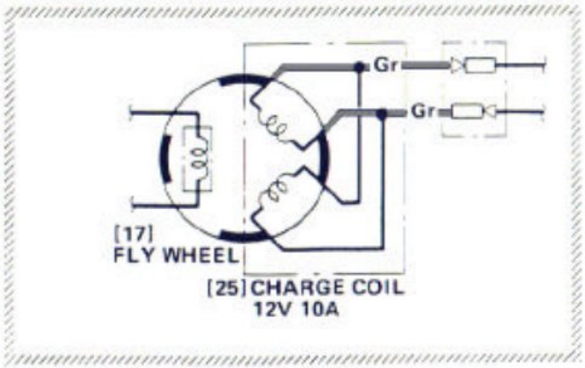


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WIRING DIAGRAM

SCS, SDS, LCS, LDS Type

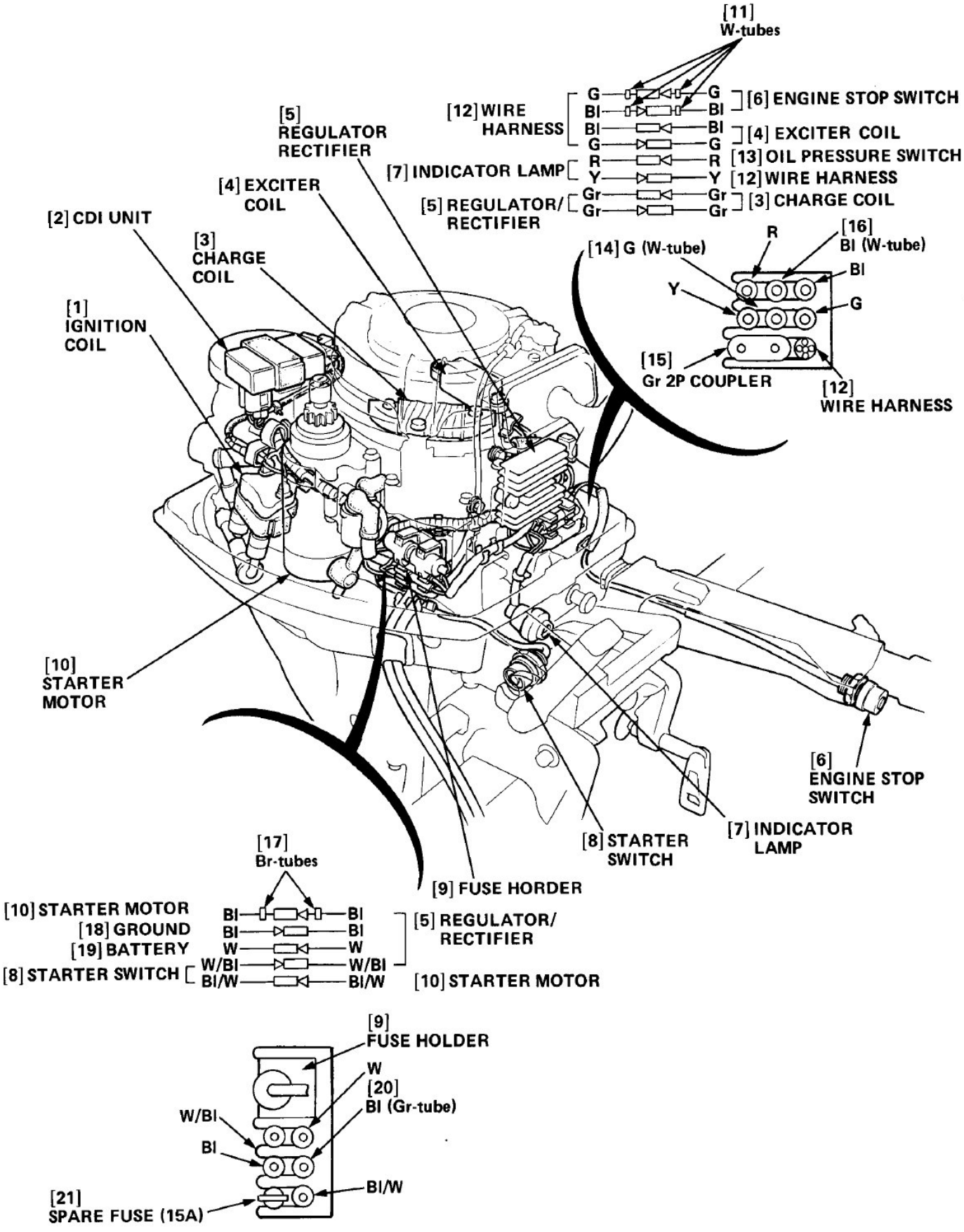




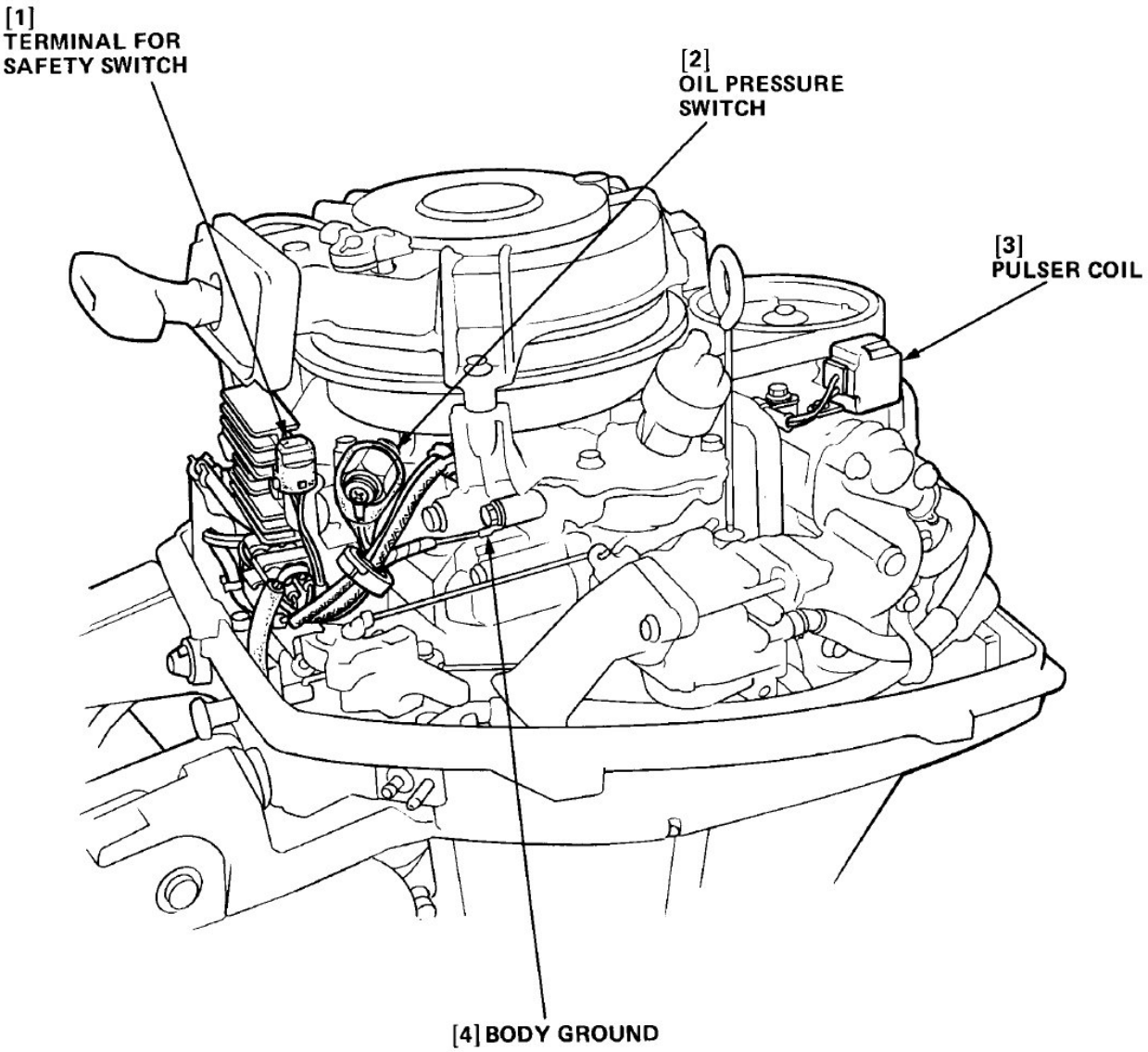
Bl	BLACK	Br	BROWN
Y	YELLOW	O	ORANGE
Bu	BLUE	Lb	LIGHT BLUE
G	GREEN	Lg	LIGHT GREEN
R	RED	P	PINK
W	WHITE	Gr	GRAY

[26] OPTIONAL PART

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