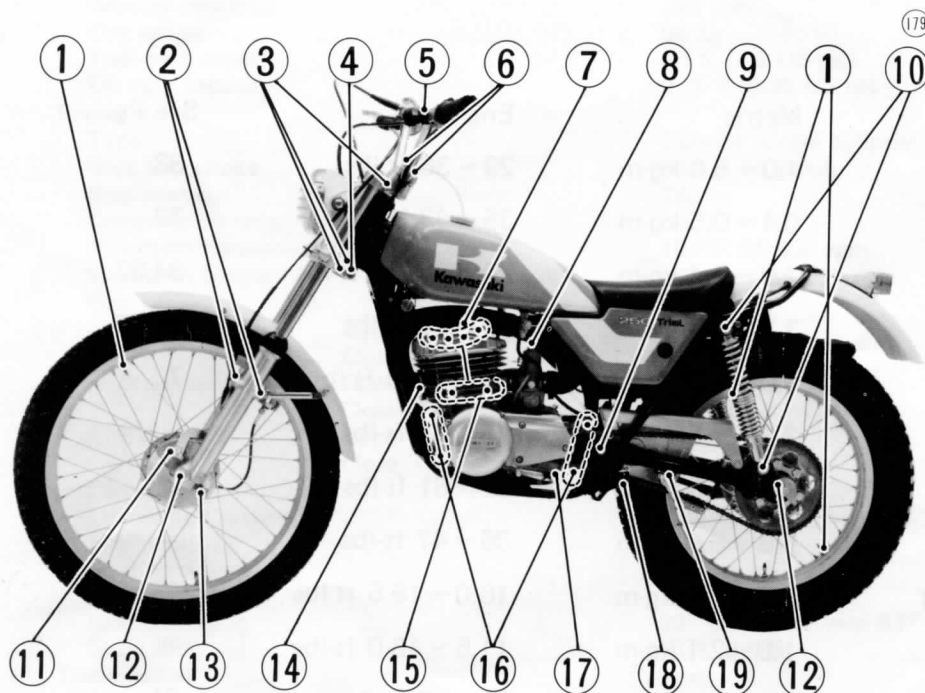
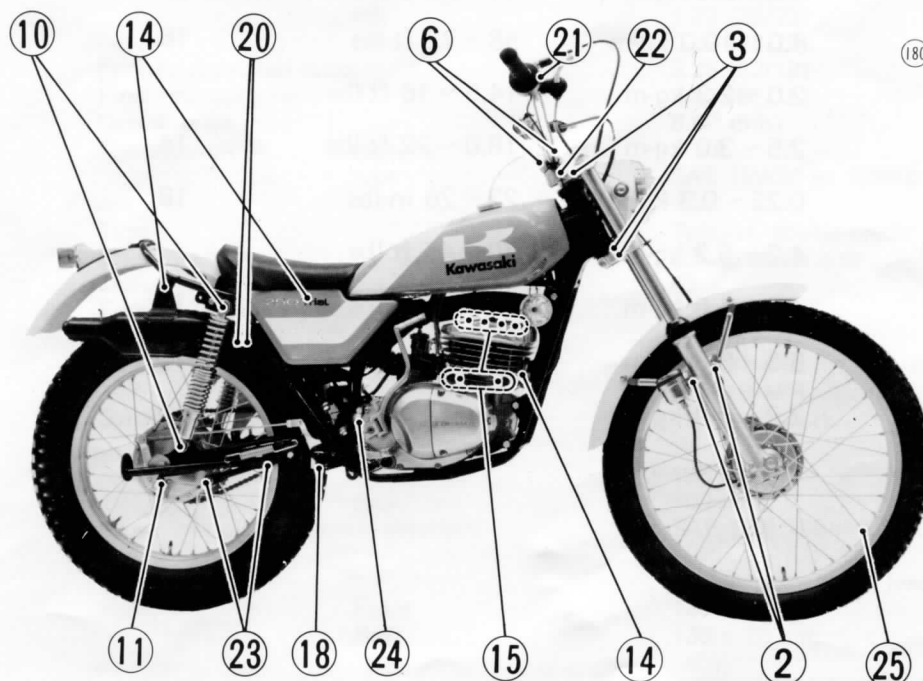


BOLT AND NUT TIGHTENING

Every day before riding, check without fail the tightness of the bolts and nuts described here. Also, check to see whether or not each cotter pin is in place and in good condition.



1. Bead Protector Nut
2. Front Fender Mounting Bolts
3. Fork Clamp Bolts
4. Steering Stem Base Allen Clamp Bolt
5. Clutch Lever Holder Bolt
6. Handlebar Clamp Mounting Bolts
7. Spark Plug
8. Carburetor Cable End Safety Clip (Top of the Carburetor)
9. Pivot Shaft Nut
10. Rear Shock Absorber Mounting Screws
11. Brake Cam Lever Bolt
12. Axle Nut and Cotter Pin
13. Brake Panel Stopper
14. Muffler Mounting Bolts
15. Cylinder Head, Cylinder Base Mounting Nuts
16. Engine Mounting Nuts
17. Shift Pedal Bolt
18. Cotter Pin (Foot Peg)
19. Chain Tensioner Screw



20. Spark Arrester Muffler Connector
21. Front Brake Lever Holder Bolt
22. Steering Stem Head Bolt
23. Torque Link Nut, Cotter Pin
24. Kick Pedal Bolt
25. Spokes

54 APPENDIX

TORQUE TABLE

Tighten all bolts and nuts to the proper torque using an accurate torque wrench. A bolt or nut if insufficiently tightened may become damaged or fall out, possibly resulting in damage to the motorcycle and injury to the rider. A bolt or nut which is over-tightened may become damaged, strip an internal screw, or break and then fall out.

The following table lists the tightening torque for the major bolts and nuts:

Part Name	Metric	English	See Pg.
Clutch Hub Nut	4.0 ~ 5.0 kg-m	29 ~ 36 ft-lbs	33
Clutch Spring Bolts (6)	0.4 ~ 0.5 kg-m	35 ~ 43 in-lbs	32
Cylinder Head Nuts (6)	2.0 ~ 2.4 kg-m	14.5 ~ 17.5 ft-lbs	34,37
Cylinder Base Nuts (4)	3.3 ~ 3.7 kg-m	24 ~ 27 ft-lbs	34,37
Engine Drain Plug	1.0 ~ 1.5 kg-m	7.0 ~ 11.0 ft-lbs	7
Engine Mounting Bolts (4)	3.5 ~ 4.5 kg-m	25 ~ 33 ft-lbs	—
Engine Sprocket Nut	7.5 ~ 8.5 kg-m	54 ~ 61 ft-lbs	31
Front Axle Nut	5.0 ~ 6.5 kg-m	36 ~ 47 ft-lbs	—
Front Fork Clamp Bolts (6)	2.2 ~ 2.3 kg-m	16.0 ~ 16.5 ft-lbs	15
Handlebar Clamp Bolts (4)	1.6 ~ 2.1 kg-m	11.5 ~ 15.0 ft-lbs	—
Magneto Flywheel Nut	9.0 ~ 10.0 kg-m	65 ~ 72 ft-lbs	31
Oil Hose Banjo Bolts (2)	0.4 ~ 0.5 kg-m	35 ~ 43 in-lbs	33
Primary Gear Nut	4.5 ~ 5.0 kg-m	33 ~ 36 ft-lbs	32
Rear Axle Nut	8.0 ~ 10.0 kg-m	58 ~ 72 ft-lbs	16
Rear Sprocket Bolts (6)	2.0 ~ 2.2 kg-m	14.5 ~ 16 ft-lbs	—
Spark Plug	2.5 ~ 3.0 kg-m	18.0 ~ 22 ft-lbs	14
Spokes	0.25 ~ 0.3 kg-m	22 ~ 26 in-lbs	18
Steering Base Allen Bolt 10 ϕ	4.2 ~ 6.2 kg-m	30 ~ 45 ft-lbs	—
Steering Stem Head Bolt	4.7 ~ 6.8 kg-m	34 ~ 49 ft-lbs	15
Swing Arm Pivot Shaft Nut	6.5 ~ 8.0 kg-m	47 ~ 58 ft-lbs	—
Torque Link Nut	2.2 ~ 3.4 kg-m	16 ~ 25 ft-lbs	16

The table below, relating tightening torque to thread diameter and pitch, lists the basic torque for the bolts and nuts used on Kawasaki Motorcycles. However, the actual torque that is necessary may vary among bolts and nuts with the same thread diameter and pitch. The bolts and nuts listed on Pg. 54 vary to a greater or lesser extent from what is given in this table. Refer to this table for only the bolts and nuts not included in the table on Pg. 54. All of these values are for use with dry solvent cleaned threads.

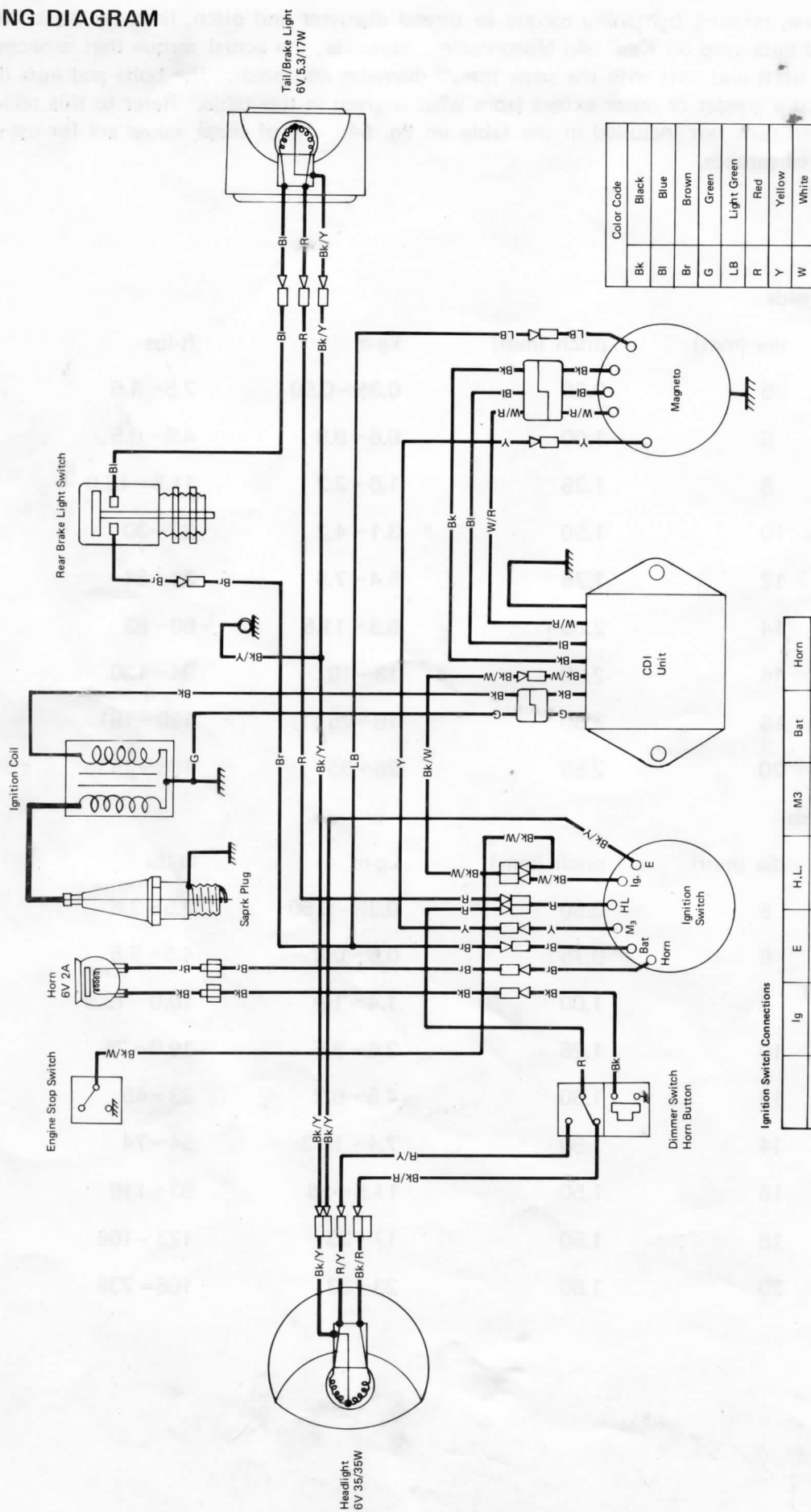
Coarse threads

dia (mm)	pitch (mm)	kg-m	ft-lbs
5	0.90	0.35~0.50	2.5~3.5
6	1.00	0.6~0.9	4.5~6.5
8	1.25	1.6~2.2	11.5~16.0
10	1.50	3.1~4.2	22~30
12	1.75	5.4~7.5	39~54
14	2.00	8.3~11.5	60~83
16	2.00	13~18	94~130
18	2.50	18~25	130~181
20	2.50	26~35	188~253

Fine threads

dia (mm)	pitch (mm)	kg-m	ft-lbs
5	0.50	0.35~0.50	2.5~3.5
6	0.75	0.6~0.8	4.5~5.5
8	1.00	1.4~1.9	10.0~13.5
10	1.25	2.6~3.5	19.0~25
12	1.50	4.5~6.2	33~45
14	1.50	7.4~10.2	54~74
16	1.50	11.5~16	83~116
18	1.50	17~23	123~166
20	1.50	23~33	166~239

WIRING DIAGRAM



(177-1)