

Section 4

Brake

CONTENTS

Precautions	4-1		
Precautions	4-1		
Precautions for Brake System	4-1		
Brake Fluid Information	4-1		
Brake Control System and Diagnosis ...	4A-1		
Schematic and Routing Diagram	4A-1		
Front Brake Hose Routing Diagram	4A-1		
Rear Brake Hose Routing Diagram	4A-2		
Diagnostic Information and Procedures	4A-3		
Brake Symptom Diagnosis	4A-3		
Repair Instructions	4A-3		
Brake Light Switch Inspection	4A-3		
Brake Fluid Level Check	4A-4		
Brake Hose Inspection	4A-4		
Air Bleeding from Brake Fluid Circuit	4A-4		
Brake Fluid Replacement	4A-5		
Front Brake Hose Removal and Installation	4A-6		
Rear Brake Hose Removal and Installation	4A-6		
Front Brake Master Cylinder Components	4A-7		
Front Brake Master Cylinder Assembly Removal and Installation	4A-8		
Front Master Cylinder / Brake Lever Disassembly and Assembly	4A-9		
Front Master Cylinder Parts Inspection	4A-10		
Rear Brake Master Cylinder Components	4A-11		
Rear Brake Master Cylinder Assembly Removal and Installation	4A-12		
Rear Master Cylinder/Brake Lever Disassembly and Assembly	4A-12		
Rear Master Cylinder Parts Inspection	4A-12		
Specifications	4A-13		
Service Data	4A-13		
Tightening Torque Specifications	4A-13		
Special Tools and Equipment	4A-14		
Recommended Service Material	4A-14		
Special Tool	4A-14		
Front Brakes	4B-1		
Repair Instructions	4B-1		
Front Brake Components	4B-1		
Front Brake Pad Inspection	4B-2		
Front Brake Pad Replacement	4B-2		
Front Brake Caliper Removal and Installation	4B-3		
Front Brake Caliper Disassembly and Assembly	4B-4		
Front Brake Caliper Parts Inspection	4B-5		
Front Brake Disc Removal and Installation	4B-6		
Front Brake Disc Inspection	4B-6		
Specifications	4B-7		
Service Data	4B-7		
Tightening Torque Specifications	4B-7		
Special Tools and Equipment	4B-8		
Recommended Service Material	4B-8		
Special Tool	4B-8		
Rear Brakes	4C-1		
Repair Instructions	4C-1		
Rear Brake Components	4C-1		
Rear Brake Pad Inspection	4C-2		
Rear Brake Pad Replacement	4C-2		
Rear Brake Caliper Removal and Installation	4C-3		
Rear Brake Caliper Disassembly and Assembly	4C-4		
Brake Caliper Piston Disassembly and Assembly	4C-7		
Rear Brake Caliper Parts Inspection	4C-8		
Rear Brake Disc Removal and Installation	4C-9		
Rear Brake Disc Inspection	4C-9		
Specifications	4C-10		
Tightening Torque Specifications	4C-10		
Special Tools and Equipment	4C-10		
Recommended Service Material	4C-10		
Special Tool	4C-10		
Parking Brake	4D-1		
General Description	4D-1		
Parking Brake System (Brake-lock System) Description	4D-1		
Schematic and Routing Diagram	4D-6		
Parking Brake Cable (Brake-lock Cable) Routing Diagram	4D-6		
Repair Instructions	4D-7		
Parking Brake System (Brake-lock System) Inspection	4D-7		
Parking Brake System (Brake-lock System) Removal and Installation	4D-7		

4-ii Table of Contents

Parking Brake System (Brake-lock System)	
Disassembly and Assembly	4D-7
Parking Brake Cable (Brake-lock Cable)	
Removal and Installation.....	4D-7

Specifications	4D-8
Tightening Torque Specifications.....	4D-8

Precautions

Precautions

Precautions for Brake System

B705H24000001

Refer to "General Precautions in Section 00 (Page00-1)".

Brake Fluid Information

B705H24000002

⚠ WARNING

- This brake system is filled with an ethylene glycol-based DOT 4 brake fluid. Do not use or mix different types of fluid, such as silicone-based or petroleum-based.
- Do not use any brake fluid taken from old, used or unsealed containers. Never reuse brake fluid left over from the last servicing or which has been stored for long periods of time.
- When storing brake fluid, seal the container completely and keep it away from children.
- When replenishing brake fluid, take care not to get dust into the fluid.
- When washing brake components, use new brake fluid. Never use cleaning solvent.
- A contaminated brake disc or brake pad reduces braking performance. Discard contaminated pads and clean the disc with high quality brake cleaner or neutral detergent.

⚠ CAUTION

Immediately and completely wipe off any brake fluid contacting any part of the motorcycle. The brake fluid reacts chemically with paint, plastics and rubber materials, etc., and will damage them severely.
