BTC Automotive Technology

Job Sheet: BR1 – Master cylinder diagnosis and repair

Objective: To familiarize student with a typical repair of a failed master cylinder.

Procedure: Document vehicle. List a complaint associated with the vehicle if applicable. Repair quality must be at industry standard.

Vehicle: __________________________________________________________

Complaint: _______________________________________________________

☐ Inspect master cylinder for internal and external leaks and proper operation and record any problems. _______________________________________________________________________

☐ What kind of problems would require a master cylinder replacement? List 2 _______________________________________________________________________

☐ Measure pedal height before repairs. _______________________________________________________________________

☐ Test brake fluid for contaminants and record results. __________________________________________

☐ Remove, bench bleed and install master cylinder. _______________________________________________________________________

☐ Measure and adjust brake pedal height if required. _______________________________________________________________________

☐ Bleed and flush hydraulic system. Record bleeding method used (manual, pressure, vacuum). _______________________________________________________________________

☐ Refill master cylinder with proper fluid to proper level. _______________________________________________________________________

☐ Inspect and test components of the brake warning light system. _______________________________________________________________________

Related NATEF tasks: V.A.1 V.A.2 V.A.3 V.A.7 V.A.10 V.A.11 V.A.12

MastercylBR1.doc