

NATEF TASK SHEET --- SECTION A.5 B.12 P-1

A5B12B: VACUUM BLEED/FLUSH HYDRAULIC BRAKE SYSTEM

Student: _____ Date: _____ Period: _____

VIN: _____ Year: _____ Make: _____ Model: _____

OBJECTIVE: Student Will Vacuum Bleed/Flush Hydraulic Brake System

- MATERIALS:**
1. **EYE PROTECTION**
 2. Brake Fluid Type Fluid Used: DOT _____
 3. Jack and Safety Stands or Hoist
 4. Bleeder Wrench and Vacuum Bleeder Tool
 5. Vehicle (see instructor)

PROCEDURE: WEAR EYE PROTECTION! Raise and secure front and rear end of vehicle. Clean top of brake master cylinder and remove cover. Fill brake fluid to full mark. Repeat the following procedure until only clean brake fluid comes out with no air bubbles, Check fluid level often and keep full:

1. **Open brake bleeder on right rear wheel ¼ turn**
 2. **Attach vacuum bleeder and pump until brake fluid comes out clean w/no bubbles**
 3. **Close right rear brake bleeder**
 4. **Continue until reservoir on bleeder is 1/2 full and then empty (do twice per wheel).**
 5. **Fill master cylinder reservoir after each wheel is completed.**
- Repeat for left rear wheel, right front wheel, and finally left front wheel.**
Do not forget to refill brake fluid after each wheel has been bled.
Check brake pedal operation and fill master cylinder reservoir.



List two valid reasons for bleeding/flushing the brake fluid:

| | |
|----|--|
| 1. | |
| 2. | |

INSTRUCTORS EVALUATION

| LEVEL OF SKILL ATTAINED | Initial | OVERALL SKILL EVALUATION | Points |
|-----------------------------|---------|--------------------------------|--------|
| DEMONSTRATES MASTERY (5) | | DOCUMENTATION COMPLETENESS (1) | |
| PERFORMS SATISFACTORILY (4) | | SAFETY COMPLIANCE (1) | |
| CAPABLE, NEEDS PRACTICE (3) | | WORK PROFESSIONALISM (3) | |
| ASSISTED IN PERFORMING (2) | | LEVEL OF SKILL ATTAINED (1-5) | |
| EXPOSURE, OBSERVATION (1) | | TOTAL SCORE | |

INSTRUCTOR'S SIGNATURE:

A5B12B Vacuum Bleed/Flush Brakes / 03-12-12 / vdb