

PLAN OF INSTRUCTION/LESSON PLAN PART I

NAME OF INSTRUCTOR

COURSE TITLE

Vehicle Operator Apprentice

BLOCK TITLE

28 Passenger Bus

COURSE CONTENT

TIME

1. Wheel Assembly Removal/Replacement

12.5/0.0

a. Given statements, identify safe practices and procedures for removing and replacing wheel assemblies, with 70% accuracy. STS: 16.4.8.1., 16.4.8.2. Meas: PC/W

(1.0/0.0)

- (1) Safety/ Equipment
- (2) Wheel assembly removal
- (3) Wheel assembly installation

b. Given a vehicle, tire(s), and tire tools, remove and replace a wheel assembly with no more than two instructor assists. STS: 16.4.8.1., 16.4.8.2. Meas: PC/W

(9.0/0.0)

- (1) Single Wheel
- (2) Dual Wheel

c. Identify safe driving practices for operating government vehicles with at least 70 % accuracy. STS: 7.2. Meas: PC/W

(2.5/0.0)

- (1) Driving Techniques
- (2) Vehicle Backing
- (3) Hazard Perception
- (4) Vehicle Stopping Factors
- (5) Safe Passing Practices
- (6) Speed Control
- (7) Avoiding Accidents
- (8) Fire Extinguisher Use
- (9) Miscellaneous Driving Practices

SUPPORT MATERIALS AND GUIDANCE

Student Instructional Materials:

SG JCABP2T131 00AA-II-1, 28 Passenger Bus

WB JCABP2T131 00AA-II-1, 28 Passenger Bus

SUPERVISOR APPROVAL OF LESSON PLAN

SIGNATURE AND DATE

SIGNATURE AND DATE

POI NUMBER

JCABP2T131 00AA

BLOCK

II

UNIT

1

DATE

1 Feb 2006

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SUPPORT MATERIALS AND GUIDANCE (Continued)

Audiovisual Aids:

VCR Tape, Vehicle Backing
VCR Tape, Driving Techniques
VCR Tape, Hazard Perception
VCR Tape, Fire Extinguisher Use

Training Equipment:

Training Aid Vehicles (2)	Dual Wheel Axle Training Aid (2)	Gloves (1)
Wheel Chock Sets (2)	Military Design Dual Wheel Axle (2)	Jacks (2)
Tire Tool Set (2)	Jack Stand (2)	

Training Methods:

Lecture: (3.5 Hrs)
Demonstration: (0.5 Hr)
Performance: (8.5 Hrs)

Multiple Instructor Requirement:

Safety, Equipment, Supervision (3)

Multiple Instructor Guidance :

Objective 1b; 3 MIRs

Four instructors will be required for 9.0 hours when there are more than five students for this unit of instruction. When four instructors are required, divide the class into four groups. One instructor will be required for each group. Groups A, B, and C will consist of two students each. Group D will consist of the remaining students. Groups A, B, and C each will be with an instructor participating in the demonstration/performance and evaluation session for objective 1b. Group D will be with an instructor in the class completing reading assignments and WB exercises for remaining objectives.

SAFETY (ORM): Ensure safety is observed at all times. While the instructors are demonstrating tasks, they will also explain safety points in detail. Ensure each student is provided gloves and are wearing safety toe boots. Potential for serious injury may result from a vehicle falling off a jack, a tire falling off and striking a student, or a dual tire split ring separating itself from the rim of the tire. For dual wheel assembly removal/replacement, ensure students are not standing directly in front of wheel studs and wedge plates. Serious injury may result from flying wedge plates or smashed fingers from a fallen tire. Instructors must be available to prevent the potential injury. *AFOSH Standard 91-20 paragraph 1.2.15., 7.3.3., 8.4.1.*

Instructional Guidance:

NOTE: Instructors may “weave in” information about core values, using active learning techniques during the presentation of these lessons. These techniques are identified as modeling, one-way stories, guided discussions, two-way stories, simulations, lived experiences and case studies. Instructors will use their discretion as to the technique to be used and optimum times to inject the core value information.

Objective 1a

Have students read Unit 1a of SG. Be ready to give presentation and answer any questions during lesson. Have students complete Unit 1a review exercise in WB. Evaluate students' work using answer key. Administer Progress Check 1a and evaluate students' work using answer key. Annotate results on AETC Form 667 and provide SIA as required.

SUPPORT MATERIALS AND GUIDANCE (Continued)

Instructional Guidance (Continued):

Objective 1b

During this objective, students will learn how to remove/replace single wheel and dual wheel assemblies. Be ready to give a presentation and answer any questions. Ensure all required equipment and vehicles are available. Four instructors are required during the lesson on performing wheel assembly removal/replacement. When required, break the class into four groups for demonstration/performance in the lab area. One instructor will provide a demonstration of how to remove/replace single wheel assemblies and two instructors will provide a demonstration of how to remove/replace dual wheel assemblies. The fourth instructor will be with the remaining students as they complete reading assignments for objectives 1c. Familiarize students with the proper way to use a jack and emphasize the method(s) of applying torque to the lug nuts to obtain proper wheel to hub alignment (i.e., star pattern--5 lug wheel, north/south-east/west pattern--4 wheel lug, etc). Instructors will allow students the opportunity to practice on the single wheel and dual wheel assemblies. Administer Progress Check 1b and evaluate students' work using AETC Form 98. Annotate results on AETC Form 667 and provide SIA as required. Ensure all equipment is returned to the proper area.

Objective 1c

Have students read Unit 1c of SG. Be ready to give presentation and answer any questions during lesson. Have students complete unit 1c review exercise in WB. Evaluate students' work using answer key. Administer Progress Check 1c and evaluate students' work using answer key. Annotate results on AETC Form 667 and provide SIA as required.