

SA 03 EVOC
Session 4 – Skid Platform Car
Learning Activity 17
LD 19 Emergency Vehicle Operations Course

Purpose: This learning activity affords the students the opportunity to practice understeer skids (loss of traction to the front wheels in a turning movement) on a prescribed course.

Description: An EVOC instructor will demonstrate understeer skids on a pre-designated course using a skid platform vehicle. The skid platform vehicle will have a significant amount of weight removed from the front wheels. This will reduce the traction capability of the front tires, which will cause an understeer skid at a relatively slow speed. The instructor will initiate the skids by entering the turn too fast or by using excessive initial steering input. The instructor will correct the skids using the appropriate coordination of brake and steering. The instructor will disengage the Anti-Lock Braking System (ABS) thus requiring the student to actively manage the brakes without computer assistance. If time permits the instructor may set the vehicle to oversteer or neutralsteer as well. Each student will be provided time to practice the demonstration. During the practical application the EVOC instructor, who will be seated in the front passenger seat, will actively assess the performance and provide real time instruction to positively reinforce proper techniques or correct any deficiencies that are observed. The instructor to student safety ratio for this exercise is 1:3.

Key learning points

- The student will understand how to use the steering and brake to recover from an understeer skid caused by entering a turn too fast or by excessive steering input
- The student will understand and continue to practice and demonstrate the fundamentals of vehicle control
- Distinguish between longitudinal and lateral weight transfer (**LD 19 IV. A**)

TEST: The student will be given an exercise test that requires the student to drive a law enforcement vehicle and demonstrate the ability to control the vehicle during understeer and oversteer conditions. The student will demonstrate competency in the following performance dimensions:

1. Safety
2. Situational Awareness
3. Braking Technique(s)
4. Steering Technique(s)
5. Control of Weight Transfer
6. Throttle Control
7. Skid Control
8. Rate of Performance
9. Fluency of Performance
10. Level of Response

Presenters must use the POST-developed Vehicle Operations Competency Exercise Test Form or a presenter –developed form approved by POST, which minimally includes the performance dimensions used for this exercise test (LD 19 V. A. 1-10).

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Minimum proficiency: The student during this exercise must experience and recover from an understeer skid. A successful recovery will be any understeer skid in which the student is able to regain traction to the front tires without the assistance of the instructor. The student must stay on the pre-designated course. A successful recovery also includes a student finding an alternative safe path of travel aborting the attempt to negotiate the turn. This test is a prerequisite to the Skid Recovery Test given in Module 5, which tests oversteer.

Resources needed:

- EVOC training vehicles (Skid Platform Cars)
- Police radios

Time required: 1 hour and 10 minutes