

Snowmobile Drives and Suspensions

Credits:	3 (1/2/0)
Description:	This course covers suspension operation and components. Student will learn suspension set-up and adjustment techniques and various suspension designs used by manufacturers. Students will perform suspension service on various manufacturers' snowmobiles.
Prerequisites:	None
Corequisites:	None
Competencies:	<ol style="list-style-type: none"> 1. Identify and discuss spring types and characteristics. 2. Discuss spring preload and compression rates. 3. Discuss the basic purpose and function of shock absorbers. 4. Identify and explain the basic function of standard oil filled, gas pressurized, gas bag, and pneumatic shock absorbers. 5. Identify and discuss basic suspension system designs and components. 6. Identify and discuss the major components of a steering system. 7. List and discuss the basic factors associated with ski alignment. 8. Identify and discuss the purpose of suspension. 9. Identify and discuss the basic functions of springs, shocks and lever mechanisms. 10. Identify and discuss the different suspension types and settings. 11. Discuss front end and track alignment. 12. Discuss chaincase operation and adjustment.
MnTC goal areas:	None