

Name \_\_\_\_\_ Course \_\_\_\_\_ Section \_\_\_\_\_

Task Sheet Name	Task Sheet Page	Date Completed	Instructor OK
<b>Chapter 1 - Service Information, Tools, and Safety</b>			
Fire Extinguisher (None specified)	1		
Vehicle Hoisting (None specified)	2		
Work Orders (A3-A-2)	3		
Vehicle Service Information and TSBs (A3-A-2)	4		
Vehicle Identification Number (A3-A-2)	5		
Hybrid High-Voltage Disconnect (A6-A-21)	6		
<b>Chapter 2 – Environmental and Hazardous Materials</b>			
Material Safety Data Sheet (MSDS) (None specified)	7		
<b>Chapter 3 – Introduction to Drivetrains</b>			
Drivetrain Identification (None specified)	8		
Electronically Controlled Manual Transmission (A3-C-2)	9		
<b>Chapter 4 – Clutch Parts and Operation</b>			
Clutch Identification (None specified)	10		
<b>Chapter 5 – Clutch Diagnosis and Service</b>			
Diagnose Clutch Concerns (A3-B-1, A3-A-1)	11		
Clutch Linkage Inspection (A3-B-2)	12		
Inspect the Hydraulic Clutch (A3-B-4, A3-B-5)	13		
Inspect Clutch Components (A3-B-3)	14		
Bleed Clutch Hydraulic System (A3-B-4)	15		
Flywheel and Ring Gear Inspection (A3-B-6)	16		
Flywheel Runout (A3-B-7)	17		
<b>Chapter 6 – Manual Transmissions Parts and Operation</b>			
Manual Transmission Identification (None specified)	18		
<b>Chapter 7 – Manual Transaxle Parts and Operations</b>			
Manual Transaxle Identification (None specified)	19		
<b>Chapter 8 – Manual Transmission/Transaxle Diagnosis and Service</b>			
Diagnose Fluid Loss (A3-A-3)	20		
Drain and Fill Manual Transmission/Transaxle (A3-A-4, A3-A-2)	21		
Remove and Replace Transmission/Transaxle (Not specified)	22		

Task Sheet Name	Task Sheet Page	Date Completed	Instructor OK
Disassemble and Reassemble Transmission/Transaxle (A3-C-6)	23		
Manual Transmission Fault Diagnosis (A3-C-3, A3-C-4)	24		
Manual Transmission/Transaxle Linkage (A3-C-1)	25		
Transaxle Final Drive Noise Diagnosis (A3-A-1, A3-C-5)	26		
<b>Chapter 9 – Drive Shafts and U-Joints</b>			
U-Joint and CV Joint Noise and Vibration Diagnosis (A3-D-1, A3-D-2, A3-A-1)	27		
<b>Chapter 10 – Drive Shafts and CV Joints Service</b>			
U-Joint and CV Joint Service (A3-D-3, A3-D-4, A3-D-5)	28		
Drive Axle Shaft Service (A3-E-3-2, A3-E-3-3, A3-E-3-4, A3-E-3-5)	29		
Drive Axle Shaft Wheel Studs (A3-E-3-1)	30		
<b>Chapter 11 – Wheel and Axle Bearings</b>			
Wheel Bearing Service (A4-D-2)	31		
<b>Chapter 12 – Drive Axles and Differentials Parts And Operation</b>			
Drive Axle Identification (None specified)	32		
<b>Chapter 13 – Drive Axles and Differentials Diagnosis and Service</b>			
Differential Noise Diagnosis (A3-E-1-4, A3-A-1)	33		
Differential Fluid Leaks (A3-E-1-1, A3-E-1-2, A3-E-1-3)	34		
Pinion Seal Replacement (A3-E-1-5)	35		
Ring Gear Runout (A3-E-1-6)	36		
Differential Assembly Inspection (A3-E-1-7)	37		
Drive Pinion Depth (A3-E-1-8)	38		
Drive Pinion Bearing Preload (A3-E-1-9)	39		
Differential Side Bearing Preload (A3-E-1-10)	40		
Ring and Pinion Tooth Pattern (A3-E-1-11)	41		
Differential Pinion Gears and Case (A3-E-1-12)	42		
Differential Case Assembly (A3-E-1-13)	43		
Limited Slip Differential Diagnosis (A3-E-2-1)	44		
Limited Slip Lubricant (A3-E-2-2, A3-A-2)	45		
Limited Slip Differential Rotating Torque (A3-E-2-2)	46		
<b>Chapter 14 – Drivetrain Electricity and Electronics</b>			
Test Light Usage (A6-A-8)	47		
Measure Voltage Using a Voltmeter (A6-A-9)	48		
Measuring Current Using an Ammeter (A6-A-10)	49		

Manual Drivelines and Axles, 7<sup>th</sup> Edition

<b>Task Sheet Name</b>	<b>Task Sheet Page</b>	<b>Date Completed</b>	<b>Instructor OK</b>
Check Electrical Circuits Using an Ohmmeter (A6-A-11)	50		
Circuit Testing Using a Fused Jumper Wire (A6-A-12)	51		
Inspect Wiring and Connectors (A6-A-16)	52		
Wire Harness and Connector Repair (A6-A-17)	53		
Connectors and Terminals (A6-A-18)	54		
Solder Wire Repair (A6-A-20)	55		
Use Wiring Diagrams to Diagnose a Circuit (A6-A-6)	56		
Module Communication (A8-B-5)	57		
<b>Chapter 15 – Four-Wheel and All-Wheel Drive</b>			
Four-Wheel Drive Identification	58		
<b>Chapter 16 – Four Wheel Drive Diagnosis and Service</b>			
Four-Wheel-Drive Diagnosis (A3-F-1, A3-A-2)	59		
Inspect and Adjust Shifting Controls (A3-F-1)	60		
Transfer Case Replacement (Not specified)	61		
Transfer Case Disassembly and Reassembly (A3-F-7)	62		
Inspect Front Locking Hubs (A3-F-2)	63		
Transfer Case Lube Level Check (A3-F-3)	64		
Transfer Case Electrical Components (A3-F-6)	65		
<b>Chapter 17 – Noise and Vibration Detection and Correction</b>			
Noise and Vibration Diagnosis (A3-F-4, A3-F-5)	66		