

	IMMR	TST	MTST	EC-431	EC-1106-01	EC-1106-03	EC-1108	EC-1120	EM-200-28	EM-1100
A. General										
1. Research vehicle service information, including fluid type, vehicle service history, service precautions, and technical service bulletins.	P-1	P-1	P-1	X	X	X	X	X	X	
2. Identify drive train components, transmission type, and configuration.	P-1	P-1	P-1	X	X	X	X	X	X	X
B. Clutch										
1. Inspect and adjust clutch, clutch brake, linkage, cables, levers, brackets, bushings, pivots, springs, and clutch safety switch (includes push-type and pull-type); check pedal height and travel; determine needed action.	P-1	P-1	P-1					X		
2. Inspect clutch master cylinder fluid level; check clutch master cylinder, slave cylinder, lines, and hoses for leaks and damage; determine needed action.	P-1	P-1	P-1					X		
3. Inspect, lubricate, or replace release (throw-out) bearing, sleeve, bushings, springs, housing, levers, release fork, fork pads, rollers, shafts, and seals.	P-1	P-1	P-1					X		
4. Inspect, repair, and/or replace hydraulic clutch slave and master cylinders, lines, and hoses; bleed system.		P-2	P-2					X		
5. Inspect and/or replace single-disc clutch pressure plate and clutch disc.			P-1					X		
10. Identify causes of clutch noise, binding, slippage, pulsation, vibration, grabbing, dragging, and chatter problems; determine needed action.			P-1					X		
C. Transmission										
1. Inspect transmission shifter and linkage; inspect and/or replace transmission mounts, insulators, and mounting bolts.	P-1	P-1	P-1				X			
9. Identify causes of transmission noise, shifting concerns, lockup, jumping out-of-gear, overheating, and vibration problems; determine needed repairs.		P-1	P-1	X	X	X	X	X	X	X
10. Inspect, test, repair, and/or replace air/electric shift controls, lines, hoses, valves, regulators, filters, and cylinder assemblies.		P-2	P-2				X			
15. Inspect and test operation of automatic transmission, components, and controls; diagnose automatic transmission system problems; determine needed action.		P-2	P-2		X	X				
D. Driveshaft and Universal Joints										
1. Inspect, service, and/or replace driveshafts, slip joints, yokes, drive flanges, support bearings, universal joints, boots, seals, and retaining/mounting hardware; check phasing of all shafts.	P-1	P-1	P-1						X	
2. Identify causes of driveshaft and universal joint noise and vibration problems; determine needed action.		P-1	P-1						X	
E. Drive Axles										
11. Inspect and/or replace components of differential case assembly including spider gears, cross shaft, side gears, thrust washers, case halves, and bearings.			P-3	X						
12. Inspect and replace components of locking differential case assembly.			P-3							
13. Inspect differential carrier housing and caps, side bearing bores, and pilot (spigot, pocket) bearing bore; determine needed action.			P-3	X						
14. Inspect and replace ring and drive pinion gears, spacers, sleeves, bearing cages, and bearings.			P-3	X						
15. Measure ring gear runout; determine needed action.			P-3	X						
16. Measure and adjust drive pinion bearing preload.			P-3	X						
17. Measure and adjust drive pinion depth.			P-3	X						
18. Measure and adjust side bearing preload and ring gear backlash.			P-3	X						
19. Check and interpret ring gear and pinion tooth contact pattern; determine needed action.			P-3	X						
20. Inspect, adjust, or replace ring gear thrust block/screw.			P-3	X						