

## A0 & A1 Inspection List

ENGINE COMPARTMENT INSPECTION
ID Any missing/damaged components - repair A/N
ID Any fluid leaks - repair A/N
Inspect all hoses, lines and fittings - replace A/N
Inspect all wire harnesses - repair or replace A/N
Inspect transmission auxiliary cooler for leaks or damage - repair A/N
Inspect cooling fan/clutch condition and operation - replace A/N
Inspect radiator condition - replace or repair A/N
Inspect water pump weep hole for leakage - repair A/N
Inspect air filter - replace A/N
Inspect fuel primer button - replace A/N

CHASSIS INSPECTION
Inspect Frame, axles, suspension - repair A/N
Inspect exhaust system - repair A/N
Inspect for leaks - repair A/N
Inspect for missing or torn boots/covers - replace A/N
Inspect for missing or damaged fasteners - replace A/N
Inspect cab isolator bushings - replace A/N
Inspect cab air bag operation and condition - repair A/N
Inspect steering box for leakage, damage and free-play - repair A/N
Inspect all linkages and hoses - repair or replace A/N
Inspect tie rods and radius rods - replace A/N
Inspect spring and shackle condition - replace A/N
Inspect shock absorbers for damage or leaks - replace A/N
Inspect all hoses and fittings for damage - replace A/N

## VEHICLE EXTERIOR INSPECTION

Inspect all body panels, roof and doors - not damage - repair or replace A/N
Inspect bumper - note damage and replace or repair A/N
Inspect air over hydraulic pump - replace A/N
Inspect cab lift operation - repair A/N
Inspect spare tire lift operation - repair A/N
Inspect windshield and side glass - replace A/N
Inspect all rubber trim parts - replace A/N
Inspect tire condition – tread 75%+ / sidewall damage - replace A/N
Inspect for missing lugnuts
Inspect mirrors - replace A/N
Inspect mud flaps - replace A/N

## INTERIOR INSPECTION

Inspect tilt/lift Steering Wheel - repair A/N
Inspect all dash switches/controls - repair or replace A/N
Test horn - repair A/N
Test warning buzzer function - repair or replace A/N
Inspect all instruments, gauges, and warning lights - repair or replace A/N
Inspect wiper/washer function and adjustment - repair A/N
Inspect door handle and lock function - repair A/N
Inspect window regulator function - repair A/N
Inspect turret cover, door seals, marker/clearance lights for leaks - repair A/N
Inspect parking and trailer brake function - repair A/N
Inspect CTIS system - repair A/N
Inspect ether system - repair A/N
Inspect seat condition - replace A/N
Inspect floor mat condition - repair A/N
Inspect seat belts - repair A/N
Inspect door panels /door hardware - repair A/N
Inspect floor drain holes - replace plugs A/N

## MECHANICAL SYSTEMS PRE-DRIVE – VEHICLE RUNNING

Inspect engine (starts and idles properly/smoothly) - repair A/N
Inspect F/R air pressure fill rate - repair A/N
Inspect brake operation - repair or adjust A/N
Inspect for air leaks and noises - repair A/N
Inspect transmission operation in all modes (F&R) - repair A/N
Inspect starter operation - repair A/N
Inspect remote start switch operation - repair A/N
Note oil pressure - repair A/N
Inspect all exterior lights and MVLS- repair A/N
Inspect all dash Indicator lights and gauges - operative and backlit - repair A/N
Inspect heating system - all operations - repair A/N
Inspect mud flaps- repair A/N

## ROAD TESTS

Engine starts/restarts normally (hot/cold)
Engine accelerates and cruises properly/smoothly
Engine noise normal (cold/hot and high/low speeds)
Transmission Operation and shift quality - cold and hot
Transmission operation in all modes and gears
Transmission Noise - cold and hot
Drive axles - operational noise
Steers normally (response, centering and free-play)
Suspension squeaks and rattles
Cab squeaks and rattles
Brakes operate properly/no pull or Lock
Gauges Operate properly – note any discrepancies
Accelerates and Cruises Properly/Smoothly

## MECHANICAL RECONDITIONING

Air governor pressure tested and replacement if needed
Replace all belts
Replace or rebuild clutch/fan if necessary
Install cold weather block heater
Drain and replace all coolant
Inspect and replace radiator cap if needed
Pressure check cooling system to 16 PSI
Inspect and replace hoses and P-clamps A/N
Replace all fuel hoses
Inspect transmission and oil fill hoses and replace if needed
Inspect Power Steering Hoses - Replace as needed
Replace Power Steering Filter
Inspect and replace power steering fluid A/N
Drain and replace engine oil with synthetic 15W-40
Replace engine oil filter
Drain and replace transmission and transfer case with ATF
Replace transmission filter and o-rings
Recalibrate transmission ECU for ATF
Inspect all axle bevel gear oil levels - fill or replace A/N
Inspect differential gear oil - fill or replace A/N
Inspect hydraulic system fluid - fill or replace A/N
Replace fuel filter
Inspect fuel filter bowl hearer - replace A/N
Replace fuel/water seperator filter
Test injection actuation pressure solenoid - replace A/N
CTIS Wet Switch - Replace A/N
Inspect oil temperature switch - repair A/N
Inspect all motor mounts - repair A/N
Replace O-rings in hydraulic manifold

Inspect Tie Rod Ends - repair A/N
Replace worn, torn, or dry rotted boots or damaged ends A/N
Inspect Drag Link and Replace A/N
Inspect rear suspension and leaf spring shackles/bushings
Inspect V-arms (6x6) - repair or replace A/N
Inspect torque arms and boots - repair A/N
Inspect sway bar bushings - repair A/N
Inspect u-joints - repair A/N
Measure brake shoe and drum thicknesses - replace if under 75%
Inspect rear axle pinion seal - repair A/N
Inspect intermediate axle pinion seal (6x6) - repair A/N
Inspect front axle pinion seal - repair A/N
Replace air dryer with haldex PurEst model
Grease all (22) grease zerks - cap after greasing
Test all batteries - replace A/N
Install four (4) rear reflectors
Install new wiper blades
Fill washer fluid reservoir
Replace mud flaps with new
Install new ether canister and decals on canister and door jamb
Inspect door seals - replace A/N
Install front and rear license plate brackets

## FINAL INSPECTION / TEST DRIVE

1.	Ether solenoid test
2.	Starter Operation
3.	Engine Starts and Idles Properly/Smoothly - hot and cold
4.	Engine Noise Normal (Cold/Hot and High/Low Speeds)
5.	Re-check fluid levels
6.	Re-check AOH switching box operation
7.	Cab and spare lift operation
8.	Wiper/washer operation
9.	Interior Inspection – no missing parts – everything operative
10.	Steering Wheel – Centered
11.	Horn, Warning Chime operative
12.	Instrument Panel and Warning Lights operative
13.	Side window operation - Up, Down, Seal
14.	Seat belts - check operation of all three
15.	Gauges Accurate
16.	Check transmission operation in all modes and gears - hot and cold
17.	Transmission Operation - Cold and Hot Shift Quality
18.	Transmission Noise Normal - Cold and Hot
19.	Drive Axles Operation Noise Normal
20.	Heater temperature/Fan
21.	Steers Normally (Response, Centering and Free Play)
22.	Body/suspension – excessive squeaks and rattles
23.	Shock and suspension operation
24.	Vibration
25.	Brakes operate Properly/Pull or Lock
26.	Gauges operate properly – note oil pressure
27.	Parking Brake operation
28.	Trailer brake operation
29.	Warning buzzer
30.	Exterior lights and signals re-check all
31.	Check speedometer calibration - repair A/N
32.	Engine Accelerates and Cruises Properly/Smoothly