



**Jeff Ziober**Service Consultant

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Certified Technician

#### YOUR VEHICLE

<b>Year</b> 2021	<b>Make</b> Ford	<b>Model</b> F-350 Super Duty	Engine Type 6.2L V8 6 SOHC (MFI)
Odom 93,95		License #	<b>Date</b> 2024-04-26



#### Original Customer Requests

The following is what you requested we perform or investigate regarding your vehicle:

- ✓ A. AMA INSPECTION WITH REPORT CARD
- ✓ B. CUSTOMER REPORTS RATTLING NOISE ON COLD START
- C. CUSTOMER REPORTS GRINDING NOISE FRONT END WHEN TURNING RIGHT OR
- LEFT
- ✓ D. ATTEMPT TO BYPASS BLIND SPOT

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### Package Results

Freedom Ford 1012 Multi Point Inspection (AMA) (2)

Failed Task	Observation	Recommendation	Done
Market - Transfer Transfer - Tran	WARRANTY-INTAKE MANIFOLD NOISY	INTAKE MANIFOLD REQUIRES REPLACEMENT	
	FOUND PARK BRAKE DOES NOT FUNCTION	ADJUST PARK BRAKE SHOES	

Cautioned Task	Observation	Recommendation	Done
Inspect engine oil level and condition	Found engine oil to be dirty		
Check for engine noise	RATTLE ON START UP FOUND TO BE FROM TIMING COMPONENTS	WARRANTY-RATTLE ON START UP FOUND TO BE FROM TIMING COMPONENTS	

Passed Task	Observation	Recommendation	Done
	Battery health is good	8	
	Battery passes performance test		
	HVAC system and hoses/lines in good condition		
	Engine cooling system, radiator, hoses, and clamps in good condition		
	Exhaust system in good condition		
	7/32" or greater - Inspect again next service visit		

Passed Task	Observation	Recommendation	Done
	7/32" or greater - Inspect again next service visit		
	7/32" or greater - Inspect again next service visit		
	7/32" or greater - Inspect again next service visit		
PACKET FOR THE TANK	5 mm or greater (disc)		
	5 mm or greater (disc)		
	Found rear brake linings 5 mm or greater (disc)		
State of Brand Sup	Found rear brake linings 5 mm or greater (disc)	5	

	Passed Tasks	
✓ Battery health	Inspect battery hold down/terminals/cables	Perform battery performance 1
Check interior switches Ignition/Lights/Dimmer	Check Signal / 4 Way / Wiper	Check dash and interior lights
Inspect horn operation	Check headlight low and bright beam	✓ Inspect tail lamp/side marker/ license plate lights
Inspect brake lamps operation	✓ Inspect back-up light operation	Inspect turn signals operation
Check hazard light operation	Check air flow switching control (floor, dash vent, and defroster outlets)	Check air conditioning operation
✓ HVAC system and hoses/lines for leaks and/or damage	Inspect interior lights operation	Check radio operation
✓ Check power window operation	✓ Check power seat operation	Check alternator/charging system
Check starter and starting system	Check engine coolant level and condition	Engine cooling system, radiator, hoses and clamps
✓ Coolant recovery reservoir	✓ Inspect radiator cap	Check lower and upper radiator hoses
Check coolant bypass condition and leaks	Check water pump for smooth operation	Inspect fan hub
Check fan shroud	Block heater	Check windshield and glass for cracks, chips, and pitting
Check seatbelts for normal operation/condition	Inspect rear-view mirrors (inside and outside)	Inspect door hinges and latches
Inspect trunk and hood release	✓ Inspect frame/body/under body for rust	Inspect paint and moldings
Inspect bumpers front and rear	Inspect trailer hitch	Inspect core plugs for leaks and corrosion
Check engine for oil leaks	✓ Check for engine cleanliness	✓ Inspect engine mounts
/ Inspect torque mounts	✓ Inspect drive belt(s)/pulleys	✓ Check for Engine Blow By
Check for engine oil consumption	Inspect Ignition System	Check Cylinder Balance (Relative Compression)

Engine air filter Inspect PCV system Inspect fuel hoses, lines, and connections Inspect fuel tank, lines, and connections Inspect fuel injection system Inspect vacuum hoses condition Exhaust manifold condition/leaks Inspect catalytic converter Exhaust system (leaks, damage, loose parts) Inspect inner fenders and mud guards Check tailpipe condition/leaks Check resonator condition/leaks Transmission Operation Automatic Transmission Passing Automatic Transmission Shift Points Check overall vehicle handling Check for pulling when driving Check for smooth braking including brake pulsation Check Odometer Operation Check cruise control operation Inspect transmission fluid level and (including resume) condition Check automatic transmission for leaks Inspect CV drive axles, boots, Check front axle seals for leaks driveshafts, and u-joints Check transmission oil cooler lines for Check diferential mounts Check shift indicator and linkage leaks Check axle shaft for leaks (inner and Check front differential for leaks Check rear differential for leaks outer) Check drive shaft center bearing Check driveshaft condition Alignment (visual) Steering box adjustment Check steering box for leaks and Check steering shaft condition couplings/bushings/bearings Check steering damper condition/leaks Check ball joints Check control arm bushings ✓ Check tie-rod ends Check Drag line/ Center Link/ Tie-Rod Check pitman arm Check Stabilizer bar/Links/Bushings Check Strut rod bushings Inspect front shocks and struts; check operation ✓ Check front strut/shock mounts Check rear strut/shock mounts Inspect front springs Check Power Steering pump and hoses Check power steering fluid level and Check Power Steering control Valve/ Cylinder/ Operation/ Leaks Inspect power steering fluid level Check Rear Springs Check Rear Spring Shackles Check rear strut/shock mounts Check Rear Shock Bushings Inspect rear shocks and struts; check operation Check all Rubber Bumpers Check Stabilizer bar/Links/Bushings Measure left front tire tread depth ✓ Measure left rear tire tread depth ✓ Measure right front tire tread depth Measure right rear tire tread depth Inspect overall tire wear/condition Left front tire pressure set to factory recommended PSI ✓ Left rear tire pressure set to factory recommended PSI Inspect brake fluid level and condition . Right front tire pressure set to factory Right rear tire pressure set to factory recommended PSI recommended PSI

✓ Left front brake lining

Right rear brake lining

Check master cylinder for leaks

Check wiper motor operation

Inspect brake calipers and wheel

Inspect front windshield wiper blades

Right front brake lining

Check pedal reserve

cylinders

Additional Recommendations (Caution)
Additional Recommendations (Fail)

Left rear brake lining

operation

Check power assist function

. Check windshield wiper/washer

Inspect instrument cluster warning lamps



#### Recommended Services

Our technicians recommend the following services for your vehicle.

Original Customer Requests	Status	Cost	Deferred	Approved
A. AMA INSPECTION WITH REPORT CARD				Х
B. CUSTOMER REPORTS RATTLING NOISE ON COLD START				X
C. CUSTOMER REPORTS GRINDING NOISE FRONT END WHEN TURNING RIGHT OR LEFT				X
D. ATTEMPT TO BYPASS BLIND SPOT				X
Inspection Recommendations	Status	Cost	Deferred	Approved
INTAKE MANIFOLD REQUIRES REPLACEMENT (WARRANTY-INTAKE MANIFOLD NOISY)	1145			
ADJUST PARK BRAKE SHOES (FOUND PARK BRAKE DOES NOT FUNCTION)		\$195.00		
WARRANTY-RATTLE ON START UP FOUND TO BE FROM TIMING COMPONENTS (RATTLE ON START UP FOUND TO BE FROM TIMING COMPONENTS)	Caution			
Totals, Taxes and Fees		Cost	Deferred	Approved
Estimate Subtotal		\$195.00	\$0.00	\$0.00
Shop Supplies		\$30.21		
Tax		\$11.26		
Estimate Total		\$236.47		

# Inspection Form

Freedom Ford 1012 Multi Point Inspection (AMA) (2)	Pass/ Done	Caution	Fail	Not Done
Additional Recommendations				
Additional Recommendations (Caution)				
Additional Recommendations (Fail)				
ELECTRICAL ACCESSORIES				
Inspect instrument cluster warning lamps				200
Battery health				
Inspect battery hold down/ terminals/cables				

Freedom Ford 1012 Multi Point Inspection (AMA) (2)	Pass/ Done	Caution	Fail	Not Done
Perform battery performance 1				
Perform battery performance 2 (if applicable)				4
Check interior switches Ignition/Lights/Dimmer				
Check Signal / 4 Way / Wiper				
Check dash and interior lights	[K]			
Inspect horn operation				
Check headlight low and bright beam				Province Consider
Inspect tail lamp/side marker/ license plate lights				
Inspect brake lamps operation				
Inspect back-up light operation				
Inspect turn signals operation				
Check hazard light operation				2,710
Inspect rear window defroster operation				
Check air flow switching control (floor, dash vent, and defroster outlets)				
Check air conditioning operation				
HVAC system and hoses/lines for leaks and/or damage	- ^	1,37		
Inspect interior lights operation				
Check power antenna operation				1
Check radio operation		N= 47		
Check power window operation				1212
Check power seat operation				(A888)
Check alternator/charging system				
Check starter and starting system	= 100			S. Organ

Freedom Ford 1012 Multi Point Inspection (AMA) (2)	Pass/ Done	Caution	Fail	Not Done
Check engine coolant level and condition				NA BES
Engine cooling system, radiator, hoses and clamps				
Check lower and upper radiator hoses	- 1			
Check coolant bypass condition and leaks	- 7			
Coolant recovery reservoir	7			
Inspect radiator cap	X	4-30		
Check water pump for smooth operation				600
Inspect fan hub				
Check fan shroud	. 20			Tale
Block heater				
BODY AND SAFETY				147
Check windshield wiper/washer operation	à			
Check wiper motor operation				
Inspect front windshield wiper blades		(12)		
Inspect rear windshield washer spray, wiper operation and wiper blade				
Check windshield and glass for cracks, chips, and pitting				12 12 00 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
Check seatbelts for normal operation/condition				
Inspect rear-view mirrors (inside and outside)	100	A11/10		463
Inspect door hinges and latches				
Inspect trunk and hood release				
Inspect frame/body/under body for rust	E 8			
Inspect paint and moldings	3			
Inspect bumpers front and rear		4.3		
Inspect trailer hitch				

Freedom Ford 1012 Multi Point Inspection (AMA) (2)  ENGINE	Pass/ Done	Caution	Fail	Not Done
Inspect engine oil level and condition		1		
Inspect core plugs for leaks and corrosion				
Check engine for oil leaks	7	31-34		
Inspect intake manifold for condition/leaks				
Check for engine noise		1		
Check for engine cleanliness				
Inspect engine mounts		858		1,04
Inspect torque mounts				4
Inspect drive belt(s)/pulleys	12		2	(203) (2)
Check for Engine Blow By	1 × 7		in the second	
Check for engine oil consumption				
Inspect Ignition System	1 ch			
Check Cylinder Balance (Relative Compression)				
FUEL SYSTEM	HÜ			
Engine air filter				
Inspect PCV system	. X		ă .	Ext.
Inspect fuel hoses, lines, and connections				
Inspect fuel tank, lines, and connections	- 6			
Inspect fuel injection system	. 1			
Inspect vacuum hoses condition	- 2			
Inspect Pre heat hoses and ducts				V
EXHAUST			P	
Exhaust manifold condition/leaks	11.2			

Freedom Ford 1012 Multi Point Inspection (AMA) (2)	Pass/ Done	Caution	Fail	Not Done
Exhaust system (leaks, damage, loose parts)				
Inspect catalytic converter				
Inspect inner fenders and mud guards				
Check tailpipe condition/leaks	1 8			
Check resonator condition/leaks	1			
Inspect EGR system				
Heat-riser Freedom/Noise/Leaks				
Inspect air injection pump/disc/noise				
ROAD TEST				
Clutch operation (if equipped)				
Transmission Synchromesh (Std.)				
Transmission Operation				
Automatic Transmission Passing				
Automatic Transmission Shift Points				医鱼
Check for pulling when driving				
Check for smooth braking including brake pulsation				
Check overall vehicle handling				
Check cruise control operation (including resume)				
Check Odometer Operation				
DRIVELINE				
Check clutch hydraulic fluid level and condition				
Inspect transmission fluid level and condition				
Clutch operation (if equipped)				
Inspect CV drive axles, boots, driveshafts, and u-joints	- · X	10 A		

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	Freedom Ford 1012 Multi Point Inspection (AMA) (2)	Pass/ Done	Caution	Fail	Not Done
	Check front axle seals for leaks	7			
	Inspect transaxle bushings/bearings				1
	Check Speedo Drive for leaks				
	Check automatic transmission for leaks				
	Check transmission oil cooler lines for leaks				NO.
	Check shift indicator and linkage				
	Check diferential mounts				
	Check front differential for leaks				or a
	Check rear differential for leaks				
	Check axle shaft for leaks (inner and outer)			ä	
	Check drive shaft center bearing	. A			
	Check driveshaft condition				
F	RONT SUSPENSION				
	Alignment (visual)				
	Steering box adjustment				
	Check steering box for leaks and condition	- 17			
	Check steering shaft couplings/bushings/bearings				
	Check steering damper condition/leaks		7295		
	Check rack and pinion operation/leaks				V
	Check ball joints	7			
	Check control arm bushings				
	Check tie-rod ends				
	Check Drag line/ Center Link/ Tie-Rod	( Ø )			
	Check idler arm				1

Freedom Ford 1012 Multi Point Inspection (AMA) (2)	Pass/ Done	Caution	Fail	Not Done
Check pitman arm		THE REAL PROPERTY.		
Check Stabilizer bar/Links/Bushings				
Check Strut rod bushings	Mary .			
Inspect front shocks and struts; check operation		7200		
Check front strut/shock mounts		(1-1)(SS) (1-1)(SS)		
Check rear strut/shock mounts	77			
Inspect front springs				
Inspect spring shackles		V 34 F		<b>3</b>
Check King Pin Bushings				1
Check Torsion Bar				W.
Check Power Steering pump and hoses	43			
Check power steering fluid level and condition	- X	3/49/		
Check Power Steering control Valve/ Cylinder/ Operation/ Leaks	F	0.3		
Inspect power steering fluid level	F			
REAR SUSPENSION				
Check Rear Springs				
Check Rear Spring Shackles				
Check rear strut/shock mounts	[5 x]			
Inspect rear shocks and struts; check operation				
Check Rear Shock Bushings				
Check Stabilizer bar/Links/Bushings				
Check Tracks/ Struts/ Tie Rods Conditions and Bushings				W.
Check all Rubber Bumpers	=			Kolonia Mariantana Ma Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Mariantana Ma Mariantana Mariantana Ma Ma Mariantana Ma Ma Ma Mariantana Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma
Check ball joints				

Freedom Ford 1012 Multi Point Inspection (AMA) (2)	Pass/ Done	Caution	Fail	Not Done
TIRES				
Measure left front tire tread depth				
Measure left rear tire tread depth	3/			
Measure right front tire tread depth				
Measure right rear tire tread depth				
Inspect overall tire wear/condition				
Left front tire pressure set to factory recommended PSI				
Left rear tire pressure set to factory recommended PSI				
Right front tire pressure set to factory recommended PSI	. 7			
Right rear tire pressure set to factory recommended PSI				
BRAKES			18.5	2.0
Inspect brake fluid level and condition			TP.	
Left front brake lining				
Right front brake lining				
Left rear brake lining				
Right rear brake lining				
Check pedal reserve		07.00		
Brake system (including lines, hoses, and parking brake)		18 (6)		
Check power assist function	1/K			
Check master cylinder for leaks				
Inspect brake calipers and wheel cylinders	3.8			Total I