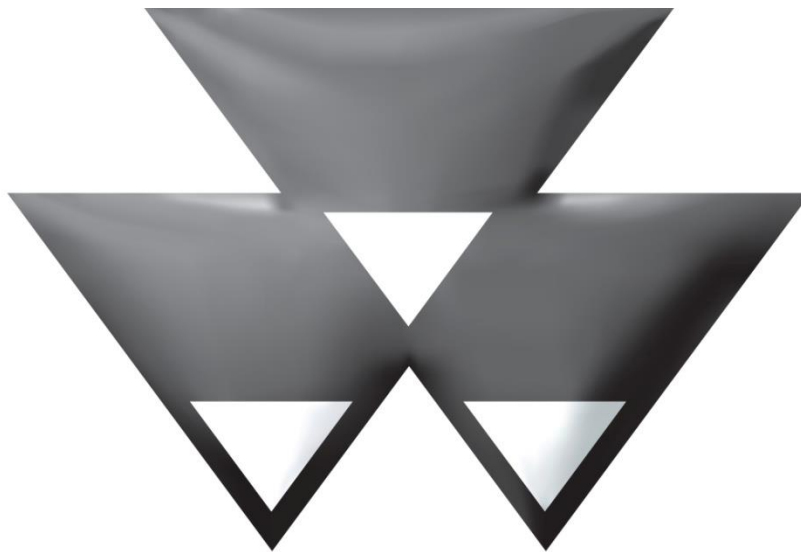


### Combine Inspection Rules

1. Unit must be clean. Does not have to be power washed. Unit must be at least blown off with compressed air. Rock trap, return elevator, clean grain elevator, and grain bin must be cleaned out. If these requirements are not met then the customer will be billed by the hour to clean the unit for inspection.
2. Models that are eligible for inspection: 8560, 8570, 8780, 8780XP, 9690, 9790, 9695, 9795, and 9895
3. Inspection Pricing:
  - a. \$700.00-This is to perform and inspection and review it with the customer. If you choose to allow us to do the repairs on the unit you will be billed \$500.00 for the inspection. This does not include drive time to and from the unit's location. The normal drive time rates apply.
  - b. \$500.00- This is to perform an inspection and create an estimate when the customer agrees to let us perform the repairs. This does not include drive time to and from the unit's location. The normal drive time rates will apply. Normal shop rate will apply to repairs made on the unit.
4. Warranty: 1 year warranty on parts replaced. 6 month warranty on labor to replace a failed part that our certified technicians replaced.



# **MASSEY FERGUSON**

Combine Inspection Report

Customer: \_\_\_\_\_

Date: \_\_\_\_\_

Combine Model: \_\_\_\_\_

Engine Hours: \_\_\_\_\_

Threshing Hours: \_\_\_\_\_



Engine

No.	Item	Comment	Time	Repair
1	Is Service Due	Change engine oil, oil filter and two fuel filters.	2	
2	Oil Level			
3	Coolant Level	Drain and replace coolant.	1.5	
4	Coolant Freeze point=			
5	Oil Leaks			
6	Fuel Leaks			
7	Coolant Leaks			
8	Exhaust Leaks			
9	Air Filters Dirty	Replace air filters.	.5	
10	Radiator Needs Blown Out	Blow out radiator with compresses air.	1	
11	Air Intake Hoses and Connections	Replace one intake hose.	.75	
12	Exhaust Manifold Hardware Loose or Broken			
13	Engine Mounting Hardware Loose or Broken			
14	Fan Belt Condition	Replace fan belt.	.75	
15	Belt Tension Spring and Bearings	Replace engine belt tensioner.	.5	
16	Harmonic Balancer Mounting Hardware and Rubber Condition	Replace harmonic balancer.	1.5	
17	Fan Hub Bearings	Replace fan hub bearings.	1.25	
18	Water pump Bearings	Replace water pump.	3	

19	A/C Compressor Belt and Pulley Bearing	Replace belt. Replace bearing/clutch.	.75 1	
20	Alternator Bearings	Replace alternator.	.75	
21	Alternator Needs Blown Out	Blow out alternator with compressed air.	.25	
22	Alternator Mounting Hardware and Cable Connections			
23	Starter Mounting Hardware and Cable Connections			
24	Battery Condition and Connections			
25	Miscellaneous			

### Transmission

No.	Item	Comment	Time	Repair
26	Is Service Due	Drain oil, remove and clean suction screen, and fill with new oil.	1.25	
27	Oil Level			
28	Brake Fluid Level			
29	Oil Leaks			
30	Brake Fluid Leaks			
31	Shift Cable and Linkage			
32	Mounting Hardware			
33	Axle Shaft Coupler Pins and Wire	Replace coupler roll pin and wire.	.5	
34	Miscellaneous			

### Final Drives

No.	Item	Comment	Time	Repair
35	Is Service Due	Drain and replace oil in one final drive.	1.5	
36	Oil Level			
37	Oil Leaks			
38	Wheel Bearings	Rebuild one final drive with new bearings, seals and oil.	10	

39	Breathers Free	Install spring loaded breathers vertically in both sides.	.75	
40	Miscellaneous			

Rear Axle- 2 and 4 Wheel Drive

No.	Item	Comment	Time	Repair
41	Center Pivot	Replace pivot pin and bushings.	6	
42	Wheel Bearings	Replace wheel bearings and seal.	1.5	
43	King Pins	Replace one set of king pin and bushings on two-wheel drive axle.	4.5	
44	Tie Rod Ball Joints	Replace one tie rod end.	1.5	
45	Steering Cylinder Ball Joints	Replace one steering cylinder ball joint.	1.5	
46	Steering Cylinder Hoses and Leaks			
47	Mounting Hardware			
48	Drive Motor Leaks			
49	Drive Motor Hose Condition			
50	Miscellaneous			

Electrical – Start Engine

No.	Item	Comment	Time	Repair
51	Starting System Seems Sluggish			
52	Engine Oil Pressure=			
53	Charging System Volts=			
54	Cab Fan Speeds			
55	A/C Switch- Leave on to cool down check later			
56	Coolant Temperature Gauge and Digital Readout			
57	Hydraulic Oil Temperature Readout			

58	Fuel Gauge and Digital Readout			
59	Engine Low Idle=			
60	Engine High Idle=			
61	Road Lights Dim and Bright			
62	Work Lights			
63	Bin Work Light			
64	Flashers and Turn Signals			
65	Tail Lights			
66	Beacon Lights			
67	Dome Light			
68	Electric Mirrors			
69	Radio			
70	A/C Operation-Ambient= Duct = Difference=			
71	B Post Toggle Switch			
72	Header Raise- Leave all the way up			
73	Rock trap Door Warning Light -Open and Close Door			
74	Header Tilt Left and Right			
75	Header Lower- Lower to the Ground			
76	Hydraulic Oil Level			
77	Automatic Bin Extensions			
78	Unload Auger Swing- Auto and Manual			
79	Unload Auger Out Warning Light			
80	Unload Auger- Engage and Disengage			
81	Unload Auger Lights			

82	Rotor Reverser			
83	Header Reverser			
84	Row Finder Lights			
85	Chaff Spreader- Disengage and Engage			
86	Threshing Clutch			
87	Header Clutch			
88	Rotor Speed- Increase and Decrease (put back to customer's setting)			
89	Cleaning Fan Speed (put back to customer's setting)			
90	Chaffer Adjustment- Open and Close (put back to customer's setting)			
91	Sieve Adjustment- Open and Close (put back to customer's setting)			
92	All Shaft speed sensors steady at full Engine RPM			
93	Heater Operation			
94	Shifts Into All Transmission Gears			
95	Mud Hog- Engage and Disengage			
96	Ground Speed Digital Readout			
97	Backup Alarm			
98	Brakes Operation			
99	Parking Break Operation			
100	Parking Brake Warning Light *Shut off engine*			
101	Grain Loss Monitor Test			
102	Bin Full Warning Alarm			

103	Beacon Lights When Bin Full			
104	Backup Lights			
105	Moisture Sensor Reading			
106	Miscellaneous			

Hydrostat Pumps 2 on 9690 3 on 9790 and 9895

No.	Item	Comment	Time	Repair
107	Drive Belt	Replace one belt. Replace second belt.	.75 1.25	
108	Belt Tension Spring	Replace tension spring assembly.	.5	
109	Belt Idler Pivot Bushing	Replace pivot bushings.	1.25	
110	Belt Idler Pulley and Bearing	Replace pressed pulley assembly.	.5	
111	Belt Idler Snubber	Replace rubber snubber and plastic bushing.	.5	
112	Pump Mounting Hardware	Tighten hardware.	.25	
113	Pump Pulley Nut Loose	Tighten nut.	.25	
114	Oil Leaks			
115	Hydraulic Lines Rubbing			
116	Miscellaneous			

Main Countershaft- Left Side

No.	Item	Comment	Time	Repair
117	Drive Belt	Replace belt.	.75	
118	Belt Tension Spring	Replace tension spring assembly.	.5	
119	Belt Idler Pivot Bushing	Replace pivot bushings.	1.25	
120	Belt Idler Pulley and Bearing	Replace pressed pulley assembly.	.5	
121	Belt Idler Snubber	Replace rubber snubber and plastic bushing.	.5	

122	Large Driven Pulley- Clean Inside Diameter	Clean dirt from inside diameter of pulley.	.25	
123	Large Drive Pulley Bearings	Replace bearings in pulley and adjust clutch clearance/gap with shims.	1.25	
124	Threshing Clutch Gap	Adjust clearance/gap with shims.	.75	
125	Threshing Clutch Wiring			
126	Threshing Clutch Magnet- Stop Pin and Bracket (8570 & 8780 Only)	Replace clutch stator and magnet.	1.25	
127	Counter Shaft Mounting Hardware	Tighten hardware.	.25	
128	Counter Shaft Bearing	Replace left side countershaft bearing.	3	
129	Miscellaneous			

#### Front Beater Drive

No.	Item	Comment	Time	Repair
130	Drive Belt	Replace belt.	1.25	
131	Belt Tension Spring	Replace spring	.5	
132	Belt Idler Pivot Bushings	Replace pivot bushings.	1.25	
133	Belt Idler Pulley and Bearing	Replace pressed pulley assembly.	.5	
134	Stationary Idler Pulley and Bearing	Replace pressed pulley assembly.	.5	
135	Miscellaneous			

#### Unload Auger Drive –Left Side

No.	Item	Comment	Time	Repair
136	Drive Belt	Replace belt and adjust guides.	.75	
137	Belt Guide Adjustment	Adjust belt guide to countershaft pulley.	.25	
138	Hydraulic Engagement Cylinder- Hardware, Hoses, and Leaks			
139	2 Belt Idler Pulleys and Bearings	Replace pressed pulley assemblies.	.5	

140	Lower Driven Shaft Bearings	Replace horizontal shaft bearings. Shaft is usually cut out with torch.	7	
141	Drive Chain	Replace drive chain.	.5	
142	Drive Sprocket	Replace drive sprocket.	.5	
143	Idler Sprocket and Bearing	Replace idler sprocket.	.25	
144	Driven Sprocket	Replace driven sprocket.	.5	
145	Bin Cross Auger Bearing	Replace bearing.	1	
146	Miscellaneous			

#### Cleaning Shoe Pitman Drive –Left Side

No.	Item	Comment	Time	Repair
147	Drive Belt	Replace belt.	1	
148	Belt Tension Spring	Replace tension spring.	.5	
149	Belt Idler Pivot Bushings	Replace pivot bushings.	.75	
150	Belt Idler Pulley and Bearing	Replace pressed pulley assembly.	.5	
151	Pitman Shaft Pulley Hardware	Tighten hardware.	.25	
152	Pitman Shaft Mounting Hardware	Tighten hardware.	.25	
153	Pitman Shaft Bearing	Replace the bearing.	3	
154	Miscellaneous			

#### Clean Grain Drive- Left Side

No.	Item	Comment	Time	Repair
155	Drive Belt	Replace belt.	.75	
156	Belt Tension Spring	Replace tension spring.	.25	
157	Belt Idler Pivot Bushings	Replace pivot bushings.	.75	
158	Belt Idler Pulley and Bearings	Replace pressed pulley assembly.	.25	

159	Stationary Idler Pulley and Bearing	Replace pressed pulley assembly.	.25	
160	Lower Clean Grain Auger Bearing	Replace bearing.	1	
161	Miscellaneous			

#### Feed Reverser Drive 9690 and Up

No.	Item	Comment	Time	Repair
162	Drive Chain	Replace chain.	.5	
163	Drive Sprocket and Bolt	Replace sprocket.	.5	
164	Driven Sprocket	Replace sprocket.	1	
165	Drive Motor Mounting Hardware	Tighten hardware.	.25	
166	Drive Motor Leaks			
167	Miscellaneous			

#### Feederhouse Elevator Drive- Chain Type

No.	Item	Comment	Time	Repair
168	Drive Chain	Replace chain.	.5	
169	Wooden Chain Guide	Replace guide.	.25	
170	Wood Side Shields	Replace shields.	.25	
171	Countershaft Bearing	Replace bearing.	1.25	
172	Drive Sprocket	Replace sprocket.	.75	
173	Drive Sprocket Positioned on Shaft Correctly	Position sprocket correctly.	.75	
174	3 Idler Sprockets and Bearings	Replace idler sprocket assembly.	.25	
175	Driven Sprocket	Replace sprocket.	.75	
176	Slip Clutch Jaws and Hardware	Replace slip clutch components.	1.5	
177	Reverser Motor Mounting Hardware	Tighten hardware.	.25	

178	Reverser Motor Leaks			
179	Miscellaneous			

#### Feederhouse Elevator Drive – Belt Type

No.	Item	Comment	Time	Repair
180	Drive Belt	Replace belt.	.5	
181	Belt Tension Spring	Replace spring.	.25	
182	Belt Idler Pivot Bushings	Replace pivot bushings.	.75	
183	Belt Idler Pulley and Bearing	Replace pressed pulley assembly.	.25	
184	Countershaft Bearing	Replace bearing.	1.25	
185	Countershaft Drive Pulley Hardware	Tighten hardware.	.25	
186	Slip Clutch Jaws and Hardware	Replace slip clutch components.	1.5	
187	Miscellaneous			

#### Header Countershaft Drive- Fixed Speed

No.	Item	Comment	Time	Repair
188	Drive Belt	Replace belt.		
189	Belt Tension Spring			
190	Belt Idler Pivot Bushing			
191	Belt Idler Pulley and Bearing			
192	Stationary Belt Idler Pulley and Bearing			
193	Countershaft Driven Pulley Hardware			
194	Countershaft Bearing			
195	Header Clutch Magnet-Stop Pin and Bracket-8570 & 8780 Only			
196	Header Clutch Gap			

197	Header Clutch Wiring			
198	Miscellaneous			

#### Header Countershaft Drive- Variable Speed

No.	Item	Comment	Time	Repair
199	Jack Shaft (Upper) Belt			
200	Belt Tension Spring			
201	Belt Idler Pivot Bushings			
202	Belt Idler Pulley and Bearing			
203	Countershaft (Lower) Belt			
204	Belt Idler Adjustment Pulley and Bearing			
205	Hydraulic Sheaves- Play			
206	Hydraulic Sheaves- Leaks			
207	Mechanical Inner Sheave on Countershaft –Play			
208	Countershaft Bearing			
209	Header Clutch Gap			
210	Header Clutch Wiring			
211	Miscellaneous			

#### Cleaning Fan Drive

No.	Item	Comment	Time	Repair
212	Drive Belt			
213	2 Belt Idler Pulley and Bearings			
214	Inner Variable Speed Pulley Sheave- Play			
215	Left and Right Cleaning Fan Shaft Bearings			

216	Actuator Motor Hardware and Wiring			
217	Miscellaneous			

Return Elevator Drive

No.	Item	Comment	Time	Repair
218	Drive Belt			
219	Belt Tension Spring			
220	Belt Idler Pivot Bushings			
221	Belt Idler Pulley and Bearing			
222	Stationary Idler Pulley and Bearing			
223	Slip Clutch Pulley- Play			
224	Top Return Auger Shaft Bearings			
225	Top Return Elevator Shaft Bearings			
226	Top Return Elevator Shaft Sprocket			
227	Top Return Auger Flighting			
228	Bottom Return Elevator Drive Sprocket			
229	Bottom Return Auger Flighting			
230	Bottom Return Auger Shaft-Left and Right Bearings			
231	Elevator Chain and Paddles			
232	Miscellaneous			

Cleaning Shoe Pitman Drive –Right Side

No.	Item	Comment	Time	Repair
233	Pitman Shaft Bearing			
234	Front Dogbone – 2 Bearings			
235	Rear Dogbone- 2 Bearings			

236	Pitman Arm Hardware and Tightness on Shaker Shaft			
237	Miscellaneous			

#### Chopper Primary Drive

No.	Item	Comment	Time	Repair
238	Drive Belt			
239	Belt Tension Spring			
240	Belt Idler Pivot Bushing			
241	Belt Idler Pulley and Bearing			
242	Right Main Countershaft Bearing			
243	Drive Pulley Hardware			
244	Miscellaneous			

#### Chopper Secondary Drive

No.	Item	Comment	Time	Repair
245	Drive Belt			
246	Belt Tension Spring			
247	2 Belt Idler Pulleys and Bearings			
248	Jackshaft Pulley Bearings			
249	Drive and Driven Pulley's Hardware			
250	Miscellaneous			

#### Rotary Screen

No.	Item	Comment	Time	Repair
251	Drive Belt or Belts			
252	Drive Shaft Bearings -8570, 8780			
253	Drive Idler Pivot Bushings-8570, 8780			

254	Belt Idler Pulleys and Bearings- 8570, 8780			
255	Rotary Screen Rubber Seal 8570			
256	Rotary Screen Shaft Bearings			
257	Drive Motor Oil Leaks – 9690 and Up			
258	Spinners and Hardware- Between radiator and coolers 9690 and Up			
259	Cooler Leaks			
260	Door Seal			
261	Miscellaneous			

Clean Grain Drive- Right Side

No.	Item	Comment	Time	Repair
262	Bottom Auger Bearing			
263	Bottom Auger Flighting			
264	Bottom Auger Elevator Drive Sprocket			
265	Elevator Chain and Paddles			
266	Top Elevator Shaft Bearings			
267	Top Elevator Sprocket			
268	Bin Fill Auger Drive Chain			
269	Bin Fill Auger Drive Sprocket			
270	Bin Fill Auger Drive Idler Sprocket and Bearing			
271	Bin Fill Auger Driven Sprocket			
272	Bin Fill Auger U-Joint Shaft Bearings			
273	Bin Fill Auger U-Joints			
274	Bin Fill Auger Shaft- Top and Bottom bearings			

275	Bin Fill Auger Flighting and Tube	Replace auger. Replace tube.	2.75 3.25	
276	Bin Fill Auger Housing Pivot Hardware- 9690 and Up			
277	Yield Sensor Hardware, Wiring, Straight and Clean			
278	Moisture Sensor Hardware, Wiring, and Funnel Clean			
279	Miscellaneous			

### Unload Auger

No.	Item	Comment	Time	Repair
280	Cross Auger Flighting			
281	Cross Auger Right Side Bearing			
282	Vertical Auger Tube and Plastic Bushings -8570, 8780, 8780XP			
283	Vertical Auger Flighting			
284	Vertical Auger Bottom Bearing			
285	Vertical Auger Bevel Drive Gears			
286	Angle Gearbox			
287	Swing Auger Tube			
288	Swing Auger Spout			
289	Swing Auger Cradle			
290	Swing Auger Flighting			
291	Swing Auger Bearing			
	*9695 and Up*			
292	2 Drive Chains			
293	4 Sprockets			
294	Shearbolt			
295	Stub Shaft Bearings			

296	U-Joint			
297	Spring Loaded Coupler and Adjustment			
298	Spring Loaded Coupler Hardware			
299	Bin Unload Auger Flighting			
300	Bin Unload Auger- Top and Bottom Bearings			
301	Miscellaneous			

### Feederhouse

No.	Item	Comment	Time	Repair
302	3 Top Shaft Elevator Sprockets	Replace the 3 sprockets.	8.5	
303	Elevator Topshaft Bearings			
304	Elevator Chain			
305	Elevator Slats			
306	Front Drum Bearings			
307	Front Drum Shocks and Hardware			
308	Elevator Chain Wear Pads			
309	Lift Cylinders- Roll Pins and Wire			
310	Lift Cylinders- Hose and Oil Leaks			
311	Rubber Pivot Seal Underneath			
312	Top Access Panel Doors and Clips			
313	Tilt Housing Lower Pivot Point			
314	Tilt Housing Upper Roller Plates Hardware			
315	Tilt Cylinder Mounting Hardware			
316	Tilt Cylinder Leaks			
317	Tilt Sensor Linkage, Hardware,			

	& Wiring			
318	Miscellaneous			

Front Beater

No.	Item	Comment	Time	Repair
319	Rock Trap Operational and Gap			
320	Channel Iron Wear Below Beater			
321	Beater Damage			
322	Beater Wear Plates and Hardware			
323	Miscellaneous			

Rotor

No.	Item	Comment	Time	Repair
324	Intake Housing Damage			
325	Intake Housing Wear Around the Returns Auger			
326	Rotor Intake Flighting			
327	Rasp Bars			
328	Knives- Equal Number on Each Row			
329	Paddle Plates			
330	Concave Wear and Damage			
331	Concave Filler Plate Damage			
332	Separator Grate Damage and Mounting Hardware			
333	Deflector Shields and Mounting Hardware			
334	Rotor Damage and Balance			
335	Rotor Cage Damage			
336	Helical Vanes Damage			

337	Miscellaneous			

### Grainpan

No.	Item	Comment	Time	Repair
338	Thistle Fingers			
339	4 Inside Bearings			
340	4 Outside Bearings			
341	Rear Rubber Seal			
342	Grainpan Damage			
343	Cascade Pan Thistle Fingers			
344	Cascade Pan Damage			
345	Miscellaneous			

### Top Cleaning Shoe

No.	Item	Comment	Time	Repair
346	Left and Right Shakers Shaft Bearings			
347	Front Shoe Bearings			
348	Front Shoe Rubber Seal			
349	Inside Rear Bearings			
350	Outside Rear Bearings			
351	Rear Support Shaft Hardware			
352	Chaffer Damage			
353	Chaffer Adjustment Controls			
354	Cleaning Shoe Frame Cracks			
355	Miscellaneous			

### Bottom Cleaning Shoe

No.	Item	Comment	Time	Repair
356	Front Shoe Bearings			
357	Front Shoe Rubber Seal			
358	Top Rear Bearings			
359	Bottom Rear Bearings			
360	Rear Support Shaft Hardware			
361	Sieve Damage			
362	Sieve Adjustment Controls			
363	Rear Sieve Rubber Door and Latches			
364	Bottom Rubber Seal			
365	Cleaning Shoe Frame Cracks			
366	Miscellaneous			

### Rotor Drive Gearbox

No.	Item	Comment	Time	Repair
367	Is Service Due	Drain and replace oil.	.75	
368	Oil Level			
369	Shifts Between Ranges			
370	All Mounting Hardware			
371	Gearbox Oil Leaks			
372	Drive Motor Leaks			
373	Gearbox Breather Free			

374	Miscellaneous			
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### Straw Chopper

No.	Item	Comment	Time	Repair
375	Shaft Bearings			
376	Knives			
377	Mounting Hardware			
378	Miscellaneous			

### Chaff Spreader

No.	Item	Comment	Time	Repair
379	Spinners			
380	Mounting Pins and Hardware			
381	Gas Shocks			
382	Drive Motor – Oil Leaks			
383	Hydraulic Hoses- Chaffing and Leaks			
384	Miscellaneous			

### Wheels and Tires

No.	Item	Comment	Time	Repair
385	Mounting Hardware			
386	Tire Pressure			
387	Miscellaneous			

### Cab

No.	Item	Comment	Time	Repair
388	Cab Air Filters- 2 on 9690 and Up			
389	Left Door Seal and Hinges			
390	Right Door Seal and Hinges			
391	Mirrors			
392	Air Ride Seat			
393	Door Latch			
394	Miscellaneous			

Lubrication

No.	Item	Comment	Time	Repair
395	Grease Complete Unit While Belts Are Loose and Weight Is Off Rear Axle			

Parts= \_\_\_\_\_

Labor= \_\_\_\_\_

Total= \_\_\_\_\_

## Completing the Inspection Report

### Instructions for the Technician:

1. Complete the customer and unit information on page 2.
2. Inspect each item in the report and place a checkmark or NA in the comment section if it is okay or not applicable.
3. Record comments concerning the specific work that needs performed or parts that need replaced.
4. Review the report with the customer and checkmark any items they want us to repair in the repair box.
5. Look up the parts needed to make the repairs and print it off. Mark each part with the corresponding number on the inspection report.
6. Attach parts listing to inspection report.

### Instructions for the Service Manager:

1. Estimate labor cost and figure total.
2. Review total with customer.