

**Fuel Gauge Reads Low –
Inspect/Replace Fuel Tank Sender Unit –
Service Action S703**

MODEL 2000 MY
V8 XJ Series

VIN F17200-F18516

Issue:

Some 2000 MY V8 XJ Series vehicles within the above VIN range, may experience a possible concern with the fuel tank sender unit. The arm of the fuel tank sender unit float may be damaged resulting in the sender unit arm interfering with an internal hose. This will result in the fuel display indicating less fuel than is actually in the tank.

Action:

In case of a customer complaint for the above condition on a vehicle listed on the VIN list, perform a visual inspection of the date code on the sender unit.

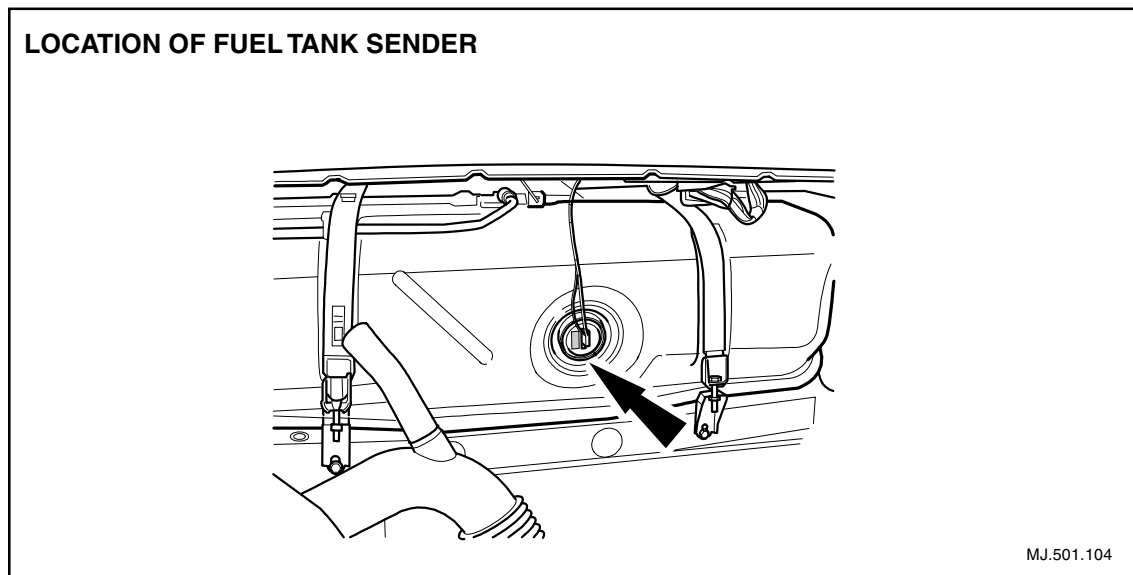


ILLUSTRATION 1

The date code on the sender unit is visible from the outside of the fuel tank (Illustration 1).

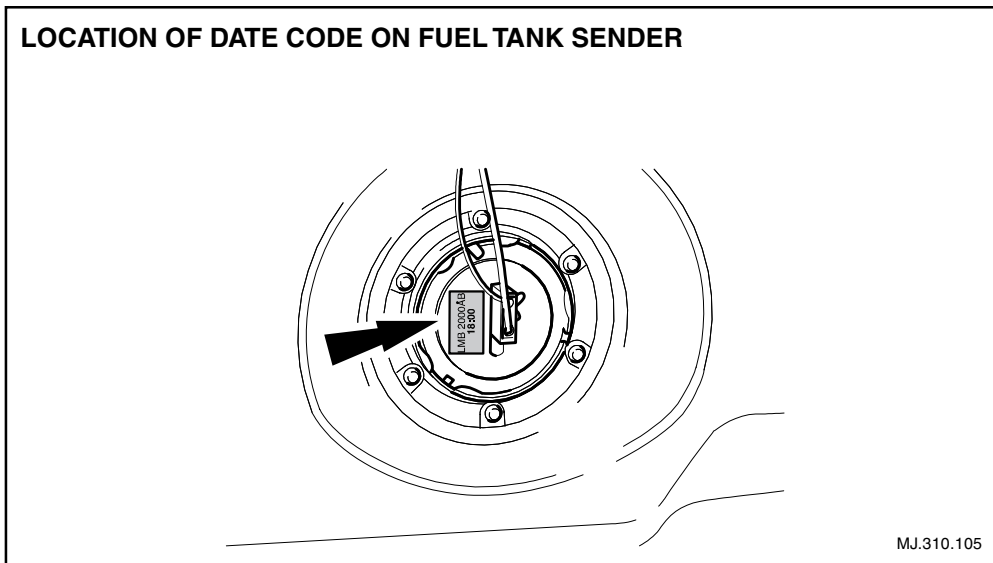


ILLUSTRATION 2

If the date code of 18/00 is identified on the sender unit (Illustration 2), install a replacement sender unit as described in this bulletin.

In case of a customer complaint on a vehicle not on the VIN list and with a date code other than 18/00, perform any necessary repair as a normal warranty repair.

REPAIR PROCEDURE

Note: This is not a general drain and refill procedure. It should be used for this Service Action only.

1. Install fender covers on the rear of vehicle.
2. Open luggage compartment.
3. Displace and remove the luggage compartment front liner 'fir tree' fixings.
4. Reposition the top edge of the luggage compartment front liner for access to the fuel tank.
5. Locate the fuel gauge tank sender unit and check the date code. If the date code reads 18:00 then the sender unit requires replacing. Proceed to step 6 of this workshop procedure. If the date code reads other than 18/00 the sender unit does not require replacing. Proceed to steps 45, 49 & 50 of this workshop procedure.
6. Open the hood and install fender covers.
7. On supercharged engines, loosen the harness multiplug mounting bracket to the left-hand cam cover securing nut. Displace and reposition multiplug mounting bracket to allow access to Schrader valve.
9. On normally aspirated engines, remove the left hand engine cover. Carefully displace left hand engine cover from inlet manifold and cam cover fixings. Take care not to damage the plastic fixings or the rubber inserts.

10. On all engines, ensure that the ignition is switched off.

⚠ Warning: Working on the fuel system results in fuel and fuel vapor being present in the atmosphere. Fuel vapor is extremely flammable; hence great care must be taken while working on the fuel system.

Adhere strictly to the following precautions.

- **Do not smoke in the work area.**
- **Display 'No Smoking' signs around the area.**
- **Disconnect the battery after releasing the fuel pressure and before working on the fuel system.**
- **Do not connect/disconnect electrical circuits, use electrical equipment or other tools or engage in working practices which in any way may result in the production of sparks.**
- **Ensure that a CO² fire extinguisher is close at hand.**
- **Ensure that dry sand is available to soak up any fuel spillage.**
- **Empty fuel, using suitable fireproof equipment, into an authorized explosion proof container.**
- **Do not empty fuel while working in a workshop or a pit.**
- **Ensure that working area is well ventilated.**
- **Ensure that any work on the fuel system is only carried out by experienced and well-qualified maintenance personnel.**
- **Ensure that fume extraction equipment is used where appropriate.**

11. Loosen and remove the engine fuel crossover pipe Schrader valve sealing cap.
12. Place a suitable absorbent cloth under the Schrader valve.
13. Position an authorized explosive proof container, suitable for collecting fuel, adjacent to the vehicle.
14. Loosen and remove the fuel container cap.
15. Position the fuel injection pressure test/bleed equipment (JD 209 or an suitable alternative make) to the front of the vehicle.
16. Ensure that the equipment bleed/drain tap is closed.
17. Connect the equipment to the Schrader valve, as per the manufacturer's instructions.
18. Insert the equipment bleed/drain tube into the fuel container.
19. Connect exhaust extraction to the vehicle.
20. Start the engine and allow it to idle.
21. Open the equipment bleed/drain tap.
22. Allow the fuel to drain until the engine stops.
23. Turn the ignition off.
24. Disconnect the equipment from the Schrader valve.
25. Raise the equipment pressure hose/fitting to allow the residual fuel to drain from the equipment.
26. Remove the equipment bleed/drain tube from the fuel container.
27. Place the fuel injection pressure test/bleed equipment in a suitably safe environment.
28. Replace and tighten the fuel container cap.

29. Place the fuel container aside in a safe environment.
30. Remove and safely dispose of the spillage cloth.
31. Fit and tighten the Schrader valve-sealing cap.
32. On normally aspirated engines, reinstall the left hand engine cover.
33. On all vehicles, close the hood.
34. Remove battery cover.
35. Disconnect the battery; follow JTIS, section 414-01. 1999 Model Year. Record the following customer settings before disconnecting the battery so they can be reset to the customer's preferred setting:
 - Clock 12/24 hr setting
 - CD compress mode (if equipped)
 - Navigation volume defaults to 14 (if equipped)
 - Voice feedback volume defaults to 14 (if equipped)
 - Transmission mode (sport/normal)
 - Radio presets - AM/FM, Bass, Treble settingsNavigation memory will be retained if the battery is not disconnected longer than 24 hours. Always reset the clock to the correct time before returning the vehicle to the customer.
36. Remove floor carpet and final remove front liner.
37. Disconnect the fuel gauge tank sender unit electrical connectors.
38. Carefully turn the sender unit-securing ring using tool 310-001 and remove the ring.
39. Displace and remove the sender unit.
40. Displace and remove the sender unit gasket
41. Fit a new sender unit gasket.
42. Fit and fully seat a new sender unit.
43. Fit and secure the sender unit-retaining ring using tool 310-001.
44. Connect the fuel gauge tank sender unit electrical connectors.
45. Reposition/refit front liner to its original condition, fit front liner 'fir tree' fixings.
46. Reposition the floor carpet to its original condition.
47. Replace fuel.
48. Reconnect battery; follow JTIS, section 414-01. 1999 Model Year. Reset the customer's preferred settings as noted in step 35 of this procedure.
49. Reinstall battery cover and close luggage compartment.
50. Remove any fender protection from the front and rear of the vehicle.

VIN LIST

CANADA

F17306	F17355	F17444	F17452	F17521
F17622	F17716	F17744	F17804	F17872
F18012	F18194	F18301		

USA

F17200	F17205	F17206	F17207	F17208
F17211	F17212	F17216	F17219	F17220
F17226	F17232	F17234	F17238	F17244
F17259	F17263	F17268	F17269	F17271
F17272	F17278	F17280	F17283	F17288
F17289	F17292	F17293	F17297	F17298
F17301	F17304	F17308	F17309	F17316
F17317	F17319	F17322	F17331	F17332
F17333	F17334	F17343	F17345	F17347
F17348	F17350	F17353	F17356	F17358
F17367	F17368	F17370	F17375	F17376
F17380	F17382	F17386	F17388	F17393
F17402	F17404	F17406	F17407	F17410
F17412	F17413	F17414	F17417	F17421
F17423	F17424	F17426	F17432	F17433
F17437	F17438	F17439	F17442	F17443
F17446	F17447	F17448	F17449	F17455
F17456	F17458	F17460	F17461	F17462
F17464	F17465	F17466	F17467	F17468
F17470	F17471	F17475	F17476	F17477
F17478	F17479	F17482	F17483	F17487
F17488	F17490	F17491	F17494	F17495
F17497	F17500	F17501	F17504	F17506
F17507	F17509	F17510	F17512	F17514
F17515	F17516	F17517	F17518	F17520
F17524	F17526	F17527	F17529	F17530
F17531	F17533	F17534	F17536	F17538
F17539	F17540	F17541	F17544	F17545

F17546	F17548	F17549	F17550	F17553
F17554	F17555	F17556	F17557	F17577
F17579	F17580	F17581	F17582	F17583
F17584	F17585	F17587	F17588	F17589
F17592	F17593	F17594	F17595	F17599
F17600	F17602	F17604	F17605	F17607
F17608	F17611	F17612	F17614	F17616
F17617	F17618	F17619	F17621	F17623
F17624	F17626	F17628	F17631	F17632
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F17651	F17653	F17655	F17657	F17658
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F17672	F17673	F17676	F17677	F17678
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F17687	F17689	F17690	F17692	F17694
F17696	F17698	F17699	F17701	F17702
F17704	F17705	F17706	F17707	F17709
F17710	F17711	F17712	F17713	F17715
F17717	F17719	F17721	F17722	F17725
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F17749	F17751	F17754	F17755	F17756
F17758	F17759	F17760	F17761	F17764
F17765	F17767	F17768	F17770	F17774
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F17842	F17846	F17848	F17852	F17853

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F17867	F17868	F17869	F17871	F17873
F17880	F17881	F17882	F17884	F17885
F17887	F17890	F17891	F17892	F17893
F17894	F17895	F17896	F17897	F17902
F17905	F17907	F17908	F17911	F17915
F17916	F17921	F17923	F17926	F17930
F17931	F17932	F17933	F17934	F17935
F17936	F17938	F17939	F17940	F17941
F17943	F17944	F17945	F17946	F17949
F17950	F17951	F17953	F17955	F17956
F17958	F17960	F17962	F17963	F17970
F17972	F17974	F17975	F17978	F17979
F17984	F17985	F17989	F17990	F17992
F17994	F17995	F17997	F18001	F18002
F18008	F18009	F18010	F18011	F18013
F18014	F18019	F18021	F18022	F18023
F18024	F18028	F18029	F18033	F18036
F18037	F18040	F18043	F18045	F18047
F18048	F18050	F18053	F18055	F18056
F18057	F18058	F18060	F18061	F18063
F18067	F18068	F18070	F18071	F18072
F18073	F18075	F18079	F18082	F18086
F18089	F18091	F18097	F18099	F18101
F18105	F18106	F18107	F18109	F18111
F18115	F18116	F18128	F18129	F18131
F18134	F18139	F18141	F18144	F18146
F18150	F18153	F18157	F18169	F18172
F18179	F18197	F18207	F18212	F18223
F18226	F18229	F18253	F18274	F18323
F18329	F18333	F18344	F18355	F18400
F18412	F18413			

Parts Information:

DESCRIPTION
Fuel Tank Sender

PART NUMBER
LNE 2000AB

QTY
1

Warranty Information:

Service Action S703

<u>VEHICLE</u>	<u>SUMMARY CODE</u>	<u>R.O. NUMBER</u>	<u>DESCRIPTION ALLOWANCE</u>	<u>TIME</u>
2000 MY V8 XJ Series VIN F17200- F18516 Model codes 2811, 2851, 2853, 2914, 2953	RE	88.91.12	Check date stamp on sender unit	0.10 hrs.
2000 MY V8 XJ Series VIN F17200- F18516 Model codes 2811, 2851, 2853, 2914, 2953	RF	88.91.12 10.10.10	Check date stamp on sender unit Drive in/Drive out	0.10 hrs. 0.15 hrs.
2000 MY V8 XJ Series VIN F17200- F18516 Model codes 2811, 2851, 2853, 2914, 2953	RG	88.91.13	Check date stamp on sender unit & replace	1.60 hrs.

PART DESCRIPTION
Fuel tank sender unit

PART NUMBER
LNE 2000AB

QTY
1

2000 MY V8 XJ Series VIN F17200- F18516 Model codes 2811, 2851, 2853, 2914, 2953	RH	88.91.13 10.10.10	Check date stamp on sender unit & replace Drive in/Drive out	1.60 hrs. 0.15 hrs.
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PART DESCRIPTION
Fuel tank sender unit

PART NUMBER
LNE 2000AB

QTY
1

NOTE: Always perform a DCS claim search first to determine whether this service action has been performed on this vehicle. The warranty selection under the vehicle inquiry will give a listing of all claims against the vehicle. If S703 appears in the fault code field, do not perform this service action.

CLAIM SUBMISSION PROCEDURE:

Warranty summary codes have been assigned to this service action in order to simplify claim submission. The dealership will be reimbursed the parts and labor time allowance as indicated.

DCS DEALERS

Submit claims using the appropriate summary code for the vehicle model and work performed. Follow standard campaign submission procedures.

NON-DCS DEALERS

Submit claims on the Recall Campaign Summary form W-25. Enter the appropriate summary code for the vehicle model and work performed in the Repair Code column. Do not use the W-1 warranty claim form.