

PARTS & SERVICE NEWS

REF NO.	AA03057
DATE	April 2, 2003

SUBJECT: REPAIR PROCEDURE OF OIL LEAKAGE FROM PARKING BRAKE

PURPOSE: To introduce modification procedure to repair oil leakage from the contact surface of the parking brake retainer on the applicable wheel loaders.

APPLICATION: WA250-3MC Wheel Loader Serial Number A71529 thru A71745

FAILURE CODE: 1510AA

DESCRIPTION:

1. Introduction

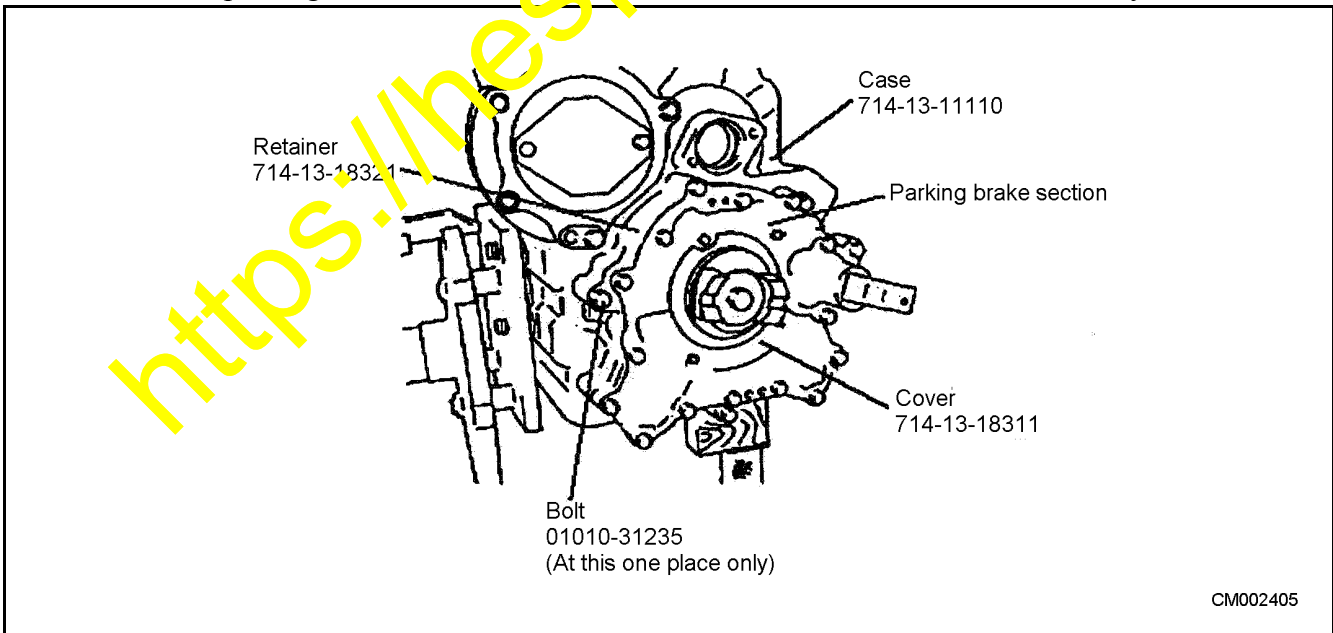
With some of the WA250-3MC wheel loaders, in the rear boss section for the tapped hole in the transmission case (the section where the parking brake retainer is installed), the deep end of the prepared hole for tapping may be penetrating through the thickness to cause oil leakage. In the aforementioned case, make the modification to repair the trouble following the procedures being outlined in this Parts & Service News.

2. List of parts

Part No.	Part Name	Purpose of Part	Qty	Remarks
714-13-11110	Case assembly	Reworked	1	

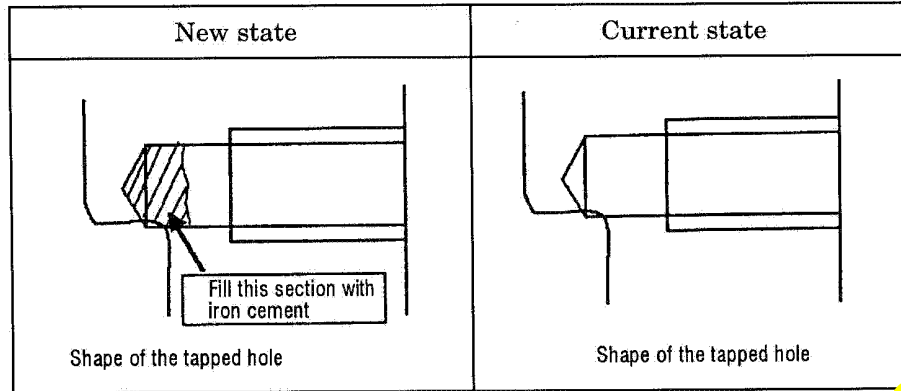
3. Applicable section

When the parking brake section is viewed from the front side of the machine body.



Fill the penetrated section by the drilled hole for the parking brake retainer mounting bolt (1 place only) with iron cement.

4. Contents of the modification



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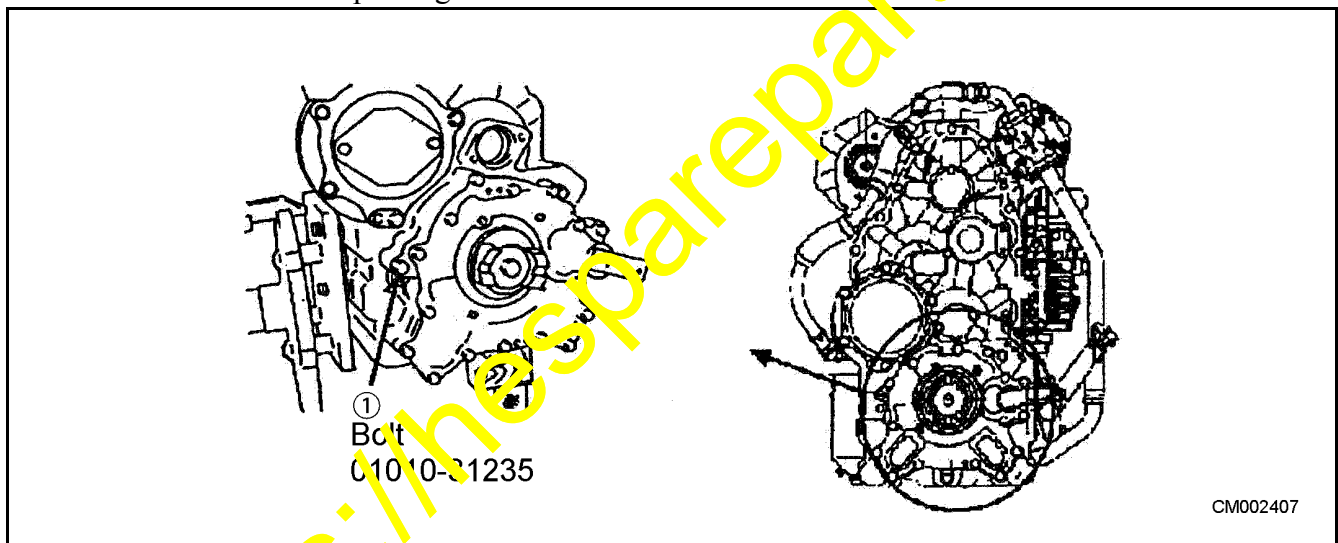
5. Modification procedure

- A. Drain the transmission oil.



Transmission: 30 L (7.92 gal)

- B. Remove the parking brake retainer mount bolt ①.



- C. Wash the tapered surface and the drilled prepared hole section to degrease thoroughly.
 D. Feed rapid cure iron cement into the drilled prepared whole section to close the penetrated opening.



WARNING! Be careful NOT to drop iron cement into the inside of the transmission.

Recommended brand:

Devcon (Plastic Steel 5-Minute Putty), Curing time: 2 hours


Made by I.T.W. Industry,

Leave it for the specified time.

- E. Blow compressed air into the repaired hole to confirm that air leakage is not occurring. When air leakage is occurring, repeat the modification procedure once again from the above item C.

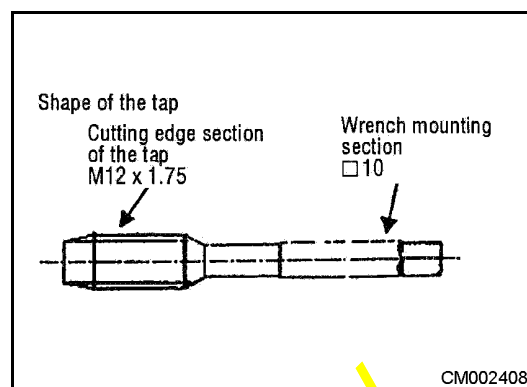
F. Apply oil (engine oil etc.) to the cutting edge section of the re-tapping tap and re-tap the repaired hole with it.

G. Tighten the bolt.

 Bolt: 98 - 122 Nm (73 - 90 lbf ft)

H. Fill transmission and check for leaks.

 Transmission: 30 L (7.92 gal)



6. Table of serial numbers (S/N) and transmission numbers (T/N) for WA250-3MC machines applicable to this modification.

S/N	T/N
1. A71529	79714
2. A71531	79684
3. A71535	79688
4. A71536	79694
5. A71537	79679
6. A71539	79680
7. A71540	79695
8. A71541	79696
9. A71542	79687
10. A71543	79702
11. A71544	79681
12. A71545	79689
13. A71546	79707
14. A71547	79685
15. A71548	79703
16. A71550	79683
17. A71552	79682
18. A71553	79746
19. A71556	79743
20. A71557	79737
21. A71558	79719
22. A71559	79734
23. A71560	79709
24. A71561	79726
25. A71562	79708
26. A71563	79736
27. A71564	79811
28. A71565	79802
29. A71566	79778
30. A71567	79800
31. A71568	79817

S/N	T/N
81. A71618	79874
82. A71619	79790
83. A71620	79777
84. A71621	79774
85. A71622	79857
86. A71623	79866
87. A71624	79849
88. A71625	79865
89. A71626	79847
90. A71627	79848
91. A71628	79864
92. A71629	79875
93. A71630	79855
94. A71631	79859
95. A71632	79851
96. A71633	79856
97. A71634	79873
98. A71635	79900
99. A71636	79860
100. A71637	79843
101. A71638	79846
102. A71639	79858
103. A71640	79830
104. A71641	79837
105. A71642	79881
106. A71643	79838
107. A71644	79835
108. A71645	79892
109. A71646	79828
110. A71647	79826
111. A71648	79876

S/N	T/N
32. A71569	79713
33. A71570	79779
34. A71571	79815
35. A71572	79776
36. A71573	79799
37. A71574	79814
38. A71575	79813
39. A71576	79805
40. A71577	79745
41. A71578	79806
42. A71579	79797
43. A71580	79782
44. A71581	79789
45. A71582	79796
46. A71583	79783
47. A71584	79794
48. A71585	79812
49. A71586	79810
50. A71587	79803
51. A71588	79816
52. A71589	79818
53. A71590	79788
54. A71591	79781
55. A71592	79748
56. A71593	79747
57. A71594	79792
58. A71595	79795
59. A71596	79778
60. A71597	79767
61. A71598	79791
62. A71599	79725
63. A71600	79722
64. A71601	79824
65. A71602	79825
66. A71603	79834
67. A71604	79872
68. A71605	79767
69. A71606	79870
70. A71607	79839
71. A71608	79753
72. A71609	79765
73. A71610	79836
74. A71611	79827
75. A71612	79829
76. A71613	79869

S/N	T/N
112. A71649	79880
113. A71650	79844
114. A71651	79903
115. A71652	79878
116. A71653	79889
117. A71654	79890
118. A71655	79893
119. A71656	79877
120. A71657	79902
121. A71658	79728
122. A71659	79727
123. A71660	79715
124. A71661	79739
125. A71662	79735
126. A71663	79733
127. A71664	79952
128. A71665	79932
129. A71666	79925
130. A71667	79914
131. A71668	79920
132. A71670	79926
133. A71671	79912
134. A71672	79918
135. A71673	79924
136. A71674	79950
137. A71675	79953
138. A71676	79951
139. A71677	79917
140. A71678	79923
141. A71680	79913
142. A71681	79949
143. A71682	79927
144. A71683	79937
145. A71684	79940
146. A71689	79906
147. A71691	79934
148. A71692	79938
149. A71693	79943
150. A71694	79930
151. A71695	79948
152. A71696	79939
153. A71697	79911
154. A71701	79931
155. A71705	79904
156. A71706	79944

S/N	T/N
77. A71614	79867
78. A71615	79766
79. A71616	79879
80. A71617	79791

S/N	T/N
157.A71707	79935
158.A71709	79919
159.A71727	79905
160.A71745	79908

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