COMPONENT CODE A3



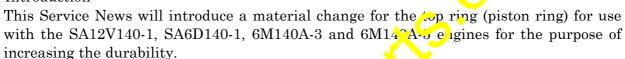
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REF NO.	BT02067	
DATE	Nov. 6, 2002	
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- **SUBJECT:** INTRODUCTION OF MATERIAL CHANGED PISTON RING ON 140 ENGINES
- **PURPOSE:** To introduce a material change for the top ring (piston ring) for use with the SA12V140-1, SA6D140-1, 6M140A-3 and 6M140A-5 engines
- **APPLICATION:** Refer to page 4.
- FAILURE CODE: A361CA

DESCRIPTION:

1. Introduction





2. Contents of the modification

	New top ring		Current top ring	
1) Part No.	6212-32-2210		6211-31-2211 6212-31-2210	
	62	212-35-2340	62	12-35-2310
2) Material		Steel		Cast iron
3) Identification marking				
	Symbol	Part No	Symbol	Part No.
	1RX	6212-22-2910	1R, A	6211-31-2211
			1RNB	6212-31-2210
	1RXM	5212-35-2340	1RNBM	6212-35-2310

- *1 By the above material change, the Jur bility of the top ring will be increased.
- *2 Identify the new and current typing by the identification marking being stamped on the upper surface of the closer gap area.

3. Interchangeability

The new and current top rings are interchangeable as follows.

	Ne v / 50 ring	Interchangeability	Current top ring
1	C212-32-2210	-↔	6211-31-2211
	(5211-31-2050)	↔	(6211-31-2033)
2	6212-32-2210	↔	6212-31-2210
	(6211-31-2050)	↔	(6212-31-2030)
3	6212-35-2340	↔	6212-35-2310
	(6212-31-2041)	₩	(6212-31-2040)

The numbers of the upper line are the part numbers of the top ring and the numbers of the lower line in () are the ring ass'y numbers.

3. List of parts

List of parts			
Part No.	Part Name	Q'ty	Remarks
6211-31-2050 (6211-31-2033) (6212-31-2030)	Ring Ass'y (Ring Ass'y) (Ring Ass'y)	6 (6) (6)	For the 12 V type: 12 sets/engine
6212-31-2041 (6212-31-2040)	Ring Ass'y (Ring Ass'y)	6 (6)	

4. Applicable machine and engine models and serial numbers of already modified factory shipment engines

Applicable model	Serial No. of applicable engines	Serial No. of already modified engines
D475-A-2	-#12546	From the next shipment
HD785-3	-#12454	From the next shipment
HD785-5	-#13082	#13083 -
HD785-2*	- #12993	From the next shipment
HD785-DZ-5		From the next shipmen'
HD785-JK-5		#13101 -
HD985-3	-#12454	From the next supment
HD985-5	- #13082	#13083 -
HV700-2	-#10815	From the next shipment
J12V140-WJK-1	-#12646	From the next shipment
SA12V140-C2-1	-#11739	From the next shipment
SA12V140-W1-1	- #12993	From the next shipment
WA800-1	- #12732	From the next shipment
WA800-2	- #12732	From the next shipment
WA800-3	- #12921	#13108 -
WA900-1	- #12721	From the next shipment
WA900-3	- <mark>- </mark> #13 <mark>)</mark> 52	#13090 -
WD900-3	<mark>- 4120</mark> 52	#13090 -
HD325-6	# 29919	From the next shipment
SA6D140-W1-1	- #23024	From the next shipment
SA6D140A-W1-1	- #28954	From the next shipment
HD325-6	- #29919	From the next shipment
HV3000-1	- #29840	From the next shipment
LW500	- #29871	#29955 —
D4 5A-3	- #12746	#13081 - (10726 -)
(M140A-1	- #23374	From the next shipment
6M140A-2	- #22286	#22289 -
6M140B-2	-#22271	From the next shipment

(1) Part No. of the top ring: 6212-32-2210

(2) Part No. of the top ring: 6212-35-2340

Applicable model	Serial No. of applicable engines	Serial No. of already modified engines
6M140A-3	- #23374	From the next shipment
6M140A-5	- #10035	From the next shipment