

Issue Date: September 10, 2002

NEWS NUMBER: **FN02012**

To : All Komatsu Distributors

Component Group: **Engines**

SUBJECT: **SA(A)6D140E-3 (CRI System) Injector Improvement !**

APPLICABLE MACHINES: D155AX-5A, D275AX-5, WA500-3LK, HM400-1, HM350-1, PC600LC-6A, PC750LC-6A, PC1800-6
(All machines have SA(A)6D140E-3 engine are applicable)

DESCRIPTION: SA(A)6D140E-3 Engine may exhibit sporadic "low power" due to injector needle sticking. This news introduces improved injectors, which adds robustness in anti-stick.

Parts Number:

- | | |
|-----------------|--------------|
| (1) Nozzle Assy | 6218-11-3101 |
| (2) Gasket | 6217-71-6111 |

Changed Point (1) To avoid needle stick caused by side force generated by the circumferential pressure distribution around the needle caused by differential pressure between top and bottom, three grooves are added onto the needle sliding face. (See Fig. 1).

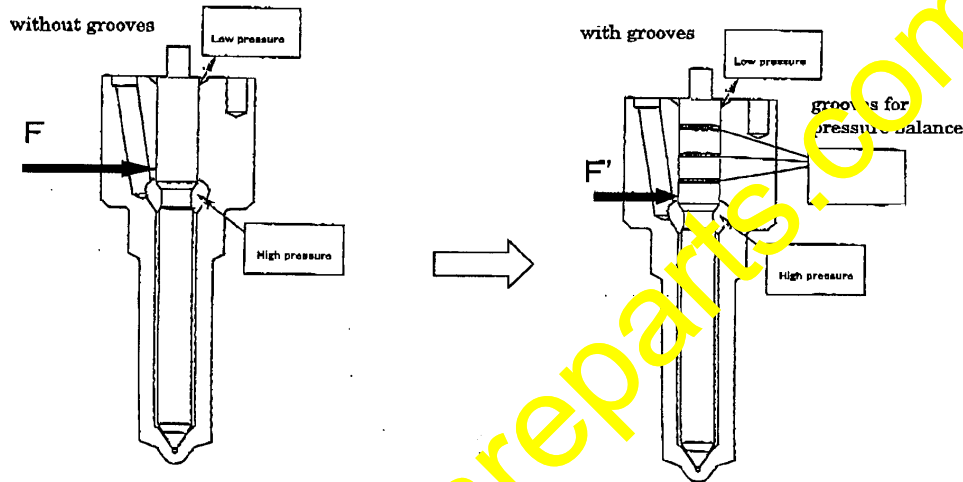
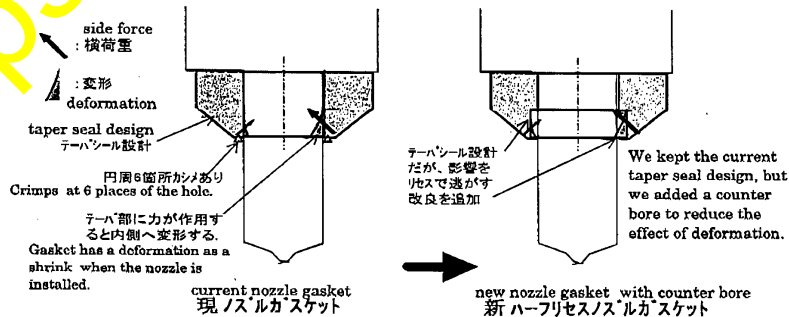
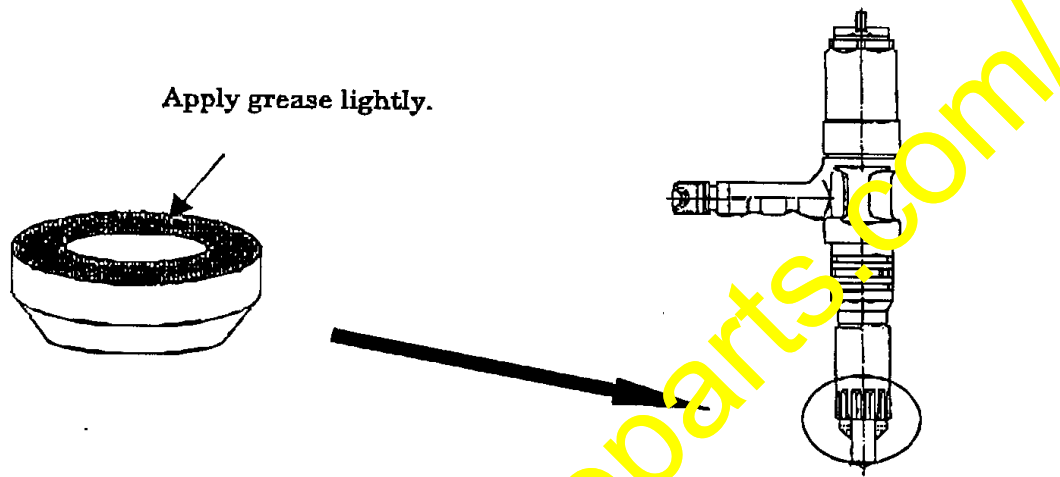


FIG. # 1

(2) Elimination of crimps and counter bore are applied on nozzle gasket to eliminate possibility of side load acting on nozzle caused by gasket deformation when tightened.



3) Replacement procedure with new parts according to the procedure specified in shop manual, replace failed injector assembly and current nozzle gasket to be sub assembled using grease.



Note1) The injector and gasket to be sub assembled using grease.

Note2) Excess shock applied for injector-gasket subassembly may cause gasket drop during installation. Handle carefully when installing into the cylinder head.

ANY QUESTIONS - PLEASE CONTACT KAC ITC SUPPORT TEAM

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