

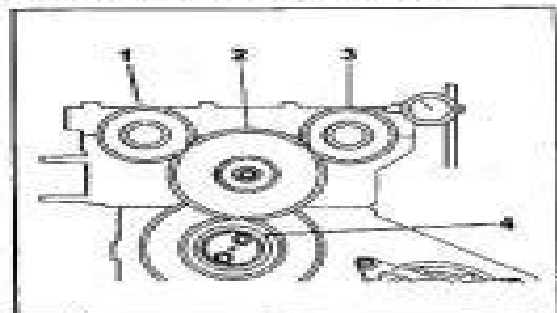
Распределительные валы

Снятие

Примечание:

- При снятии распределительных валов пользуйтесь сборочным рисунком.
- Обратите внимание на операции, предостерегающие нано.

1. Проверьте зазор в зацеплении между шестернями распределительного вала и промежуточной шестерней.



1, 3 - шестерня распределительного вала, 2 - промежуточная шестерня головки блока, 4 - промежуточная шестерня.

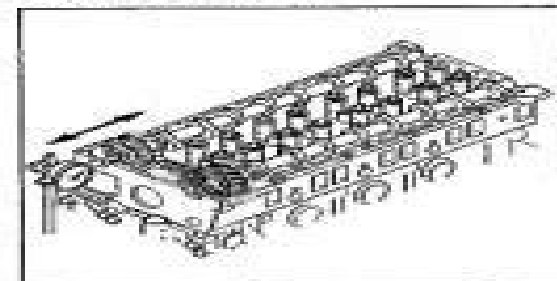
Промежуточная шестерня головки блока и шестерня распределительного вала:

номинальный зазор 0,09 - 0,12 мм
максимальный зазор 0,30 мм

Промежуточная шестерня головки блока и промежуточная шестерня:

номинальный зазор 0,11 - 0,14 мм
максимальный зазор 0,30 мм

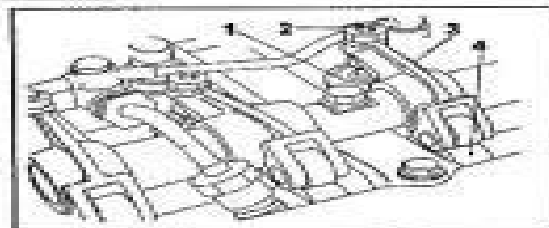
2. Измерьте осевой зазор распределительного вала.



Осевой зазор распределительного вала:

номинальный 0,10 - 0,20 мм
максимальный 0,30 мм

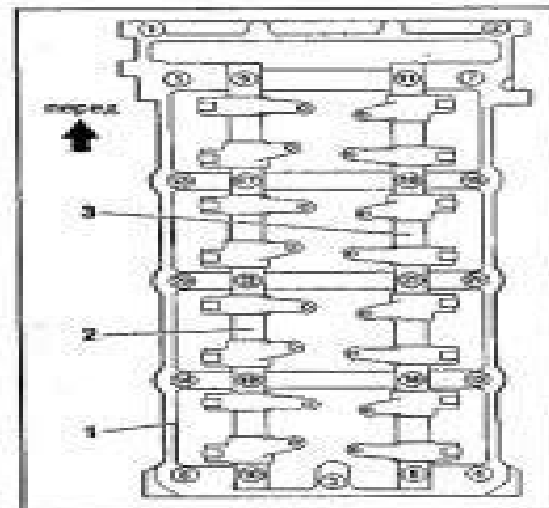
Осевой зазор промежуточной шестерни:



1 - пружина клапана, 2 - регулировочный винт, 3 - коромысло, 4 - распределительный вал.

4. Снимите крышку подшипников распределительного вала.

а) Выверните 23 болта в последовательности, указанной на рисунке.



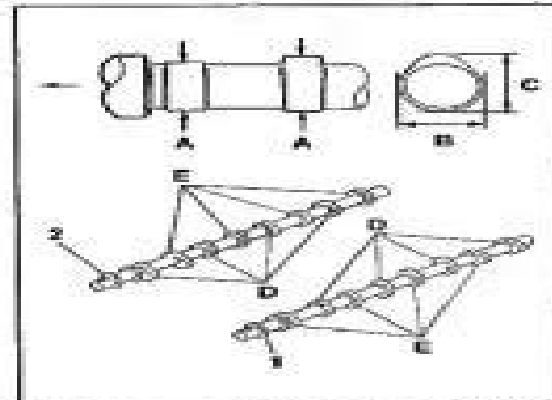
1 - крышка подшипников распределительного вала, 2, 3 - ось коромысел с коромыслами в сборе.

б) Снимите оси коромысел и крышку подшипников распределительного вала.

Проверка

1. Проверьте зазор между распределительным валом и шестерней. По разности измеренных диаметров шестерни и распределительного вала определите зазор.

Номинальный 0,10 - 0,20 мм



1 - распределительный вал впускных клапанов, 2 - распределительный вал выпускных клапанов, А - место проведения измерений, В - диаметр начальной окружности, С - высота кулачка, D - кулачок, контактирующий с коротким коромыслом, Е - кулачок, контактирующий с длинным коромыслом.

Примечание: кулачки "Е" и "D" отличаются размерами.

Распределительный вал впускных клапанов:

Кулачки, контактирующие с длинным коромыслом:

Разность между высотой кулачка и диаметром начальной окружности:

номинальная 7,157 мм
минимальная 7,107 мм

высота кулачка 42,157 мм
диаметр начальной

окружности 35 мм

Кулачки, контактирующие с коротким коромыслом:

Разность между высотой кулачка и диаметром начальной окружности:

номинальная 9,202 мм
минимальная 9,152 мм

высота кулачка 44,202 мм
диаметр начальной

окружности 35 мм

Распределительный вал выпускных клапанов:

Кулачки, контактирующие с длинным коромыслом:

Разность между высотой кулачка и диаметром начальной окружности:

номинальная 7,217 мм
минимальная 7,167 мм

высота кулачка 42,217 мм
диаметр начальной

окружности 35 мм

Кулачки, контактирующие с коротким коромыслом:

Разность между высотой кулачка и диаметром начальной окружности:

4m51 Engine Manual

**Denys Stephen Dodsley WILLIAMS
(and SMITH (J. Millar)),J. Millar SMITH**

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