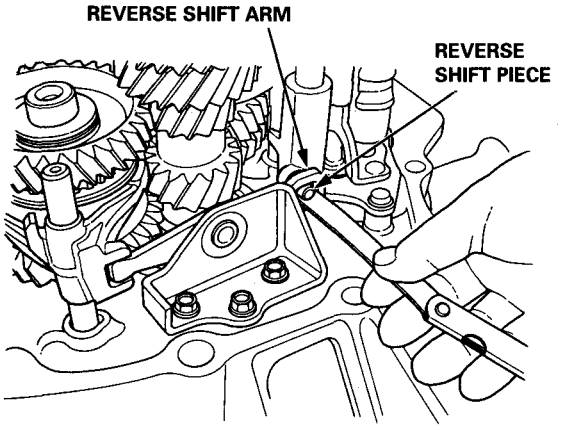
Reverse Shift Arm, Reverse Shift Fork

Clearance Inspection

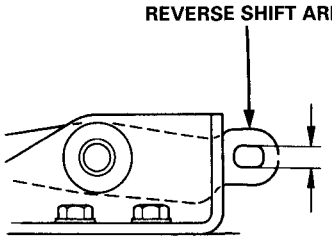
1. Measure the clearance between the reverse shift arm and the reverse shift piece.

Standard: 0.05 – 0.30 mm (0.002 – 0.012 in)
Service Limit: 0.5 mm (0.02 in)



2. If the clearance exceeds the service limit, measure the width of the groove in the reverse shift arm.

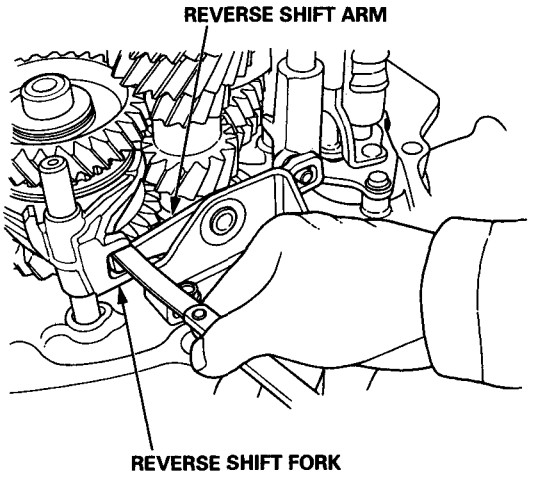
Standard: 7.05 – 7.20 mm (0.278 – 0.283 in)



If the width of the groove exceeds the standard, replace the reverse shift arm with a new one.
If the width of the groove is within the standard, replace the reverse shift piece with a new one.

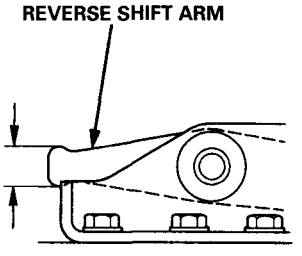
3. Measure the clearance between the reverse shift arm and reverse shift fork.

Standard: 0.05 – 0.35 mm (0.002 – 0.014 in)
Service Limit: 0.5 mm (0.02 in)



4. If the clearance exceeds the service limit, measure the width of the reverse shift arm.

Standard: 12.8 – 13.0 mm (0.504 – 0.512 in)



If the width is less than the standard, replace the reverse shift arm with a new one.
If the width is within the standard, replace the reverse shift fork with a new one.

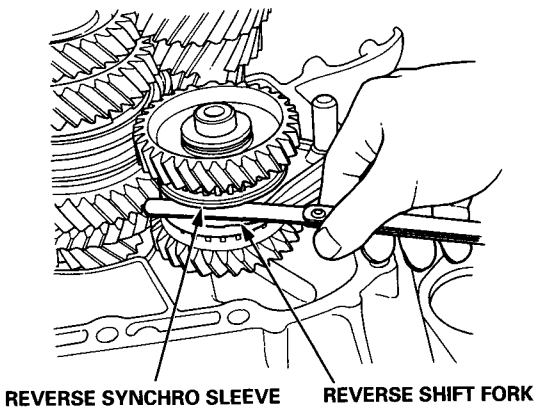
(cont'd)

Reverse Shift Arm, Reverse Shift Fork

Clearance Inspection (cont'd)

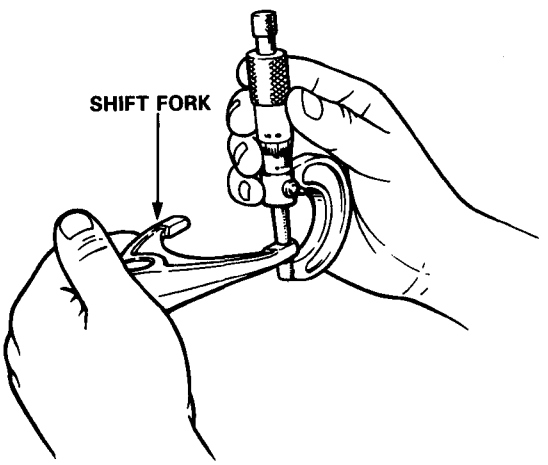
5. Measure the clearance between the reverse shift fork and reverse synchro sleeve.

Standard: 0.45 – 0.65 mm (0.018 – 0.026 in)
Service Limit: 1.0 mm (0.039 in)



6. If the clearance exceeds the service limit, measure the thickness of the shift fork fingers.

Standard: 6.4 – 6.5 mm (0.252 – 0.256 in)



If the trickiness is less than the standard, replace the reverse shift fork with a new one.
If the trickiness is within the standard, replace the reverse synchro sleeve with a new one.
The synchro sleeve and synchro hub should be replaced as a set.