



SERVICE MANUAL

TRUCKS

L 385

Export Service Department

AKTIEBOLAGET

VOLVO

GÖTEBORG, SWEDEN

FAULT TRACING

The faults which most often occur in the clutch are that it snatches when is being engaged, does not release properly, slips under loading or operates noisily. The reason for these faults is usually natural wear of the clutch components but can also be due to faulty assembly and/or adjustment and, last but not least, overloading.

| FAULT | |
|---|--|
| CAUSE | REMEDY |
| CLUTCH SNATCHES | |
| <p>Clutch incorrectly adjusted.</p> <p>Deformed friction disk.</p> <p>Oil on disk facings, flywheel or pressure plate.</p> <p>"Glazed" facing surface.</p> <p>Friction disk hub chafing on drive pinion.</p> <p>Damaged or cracked friction surfaces on flywheel or pressure plate.</p> <p>Engine loose on mountings.</p> <p>Friction disk loose on hub.</p> <p>Clutch pedal chafing.</p> <p>Excessive clearance in universal joints or differential.</p> | <p>Carry out the instructions under the headings "Adjusting the Release Levers" and "Adjusting Clutch Pedal free Play".</p> <p>Fit new friction disk.</p> <p>Replace facings. Clean flywheel and pressure plate with gasoline.</p> <p>Fit new facings.</p> <p>Clean and lubricate hub and shaft sparingly. Grind off any metallic burr there might be. (Replace drive pinion if necessary).</p> <p>Replace flywheel or pressure plate. (Blued or lightly scored surfaces can be ground).</p> <p>Tighten engine in position. Replace damaged mountings.</p> <p>Replace friction disk.</p> <p>Lubricate pedal bushing and joints.</p> <p>Adjust or replace worn parts.</p> |

CLUTCH SLIPS

Faulty adjustment of clutch.

Friction disk facings worn out.

Clutch springs weak or broken.

Clutch pedal chafing.

Follow directions under "Adjusting Clutch Pedal free Play".

Fit new facings.

Check all springs. Replace springs that are worn or do not satisfy specifications.

Lubricate pedal bushing and joints.

CLUTCH DOES NOT DISENGAGE PROPERLY

Faulty adjustment of clutch.

Clutch release bearing damaged.

Facings too thick.

Worn bushings. Damaged pull rod.

Pressure plate cracked.

Friction disk deformed.

Follow directions under "Adjusting Clutch Pedal free Play".

Fit new bearing.

Fit new facings.

Replace worn or damaged parts.

Replace pressure plate.

Fit new friction disk.

CLUTCH OPERATES NOISILY

Springs in friction disk hub broken or loose.

Clutch release bearing dry or worn.

Flywheel pilot bearing worn or dry.

Friction disk loose on hub.

Broken clutch springs.

Fit new friction disk.

Replace bearing.

Replace bearing.

Fit new friction disk.

Replace damaged springs.

TOOLS

The following tools are required when carrying out repair work on the clutch.

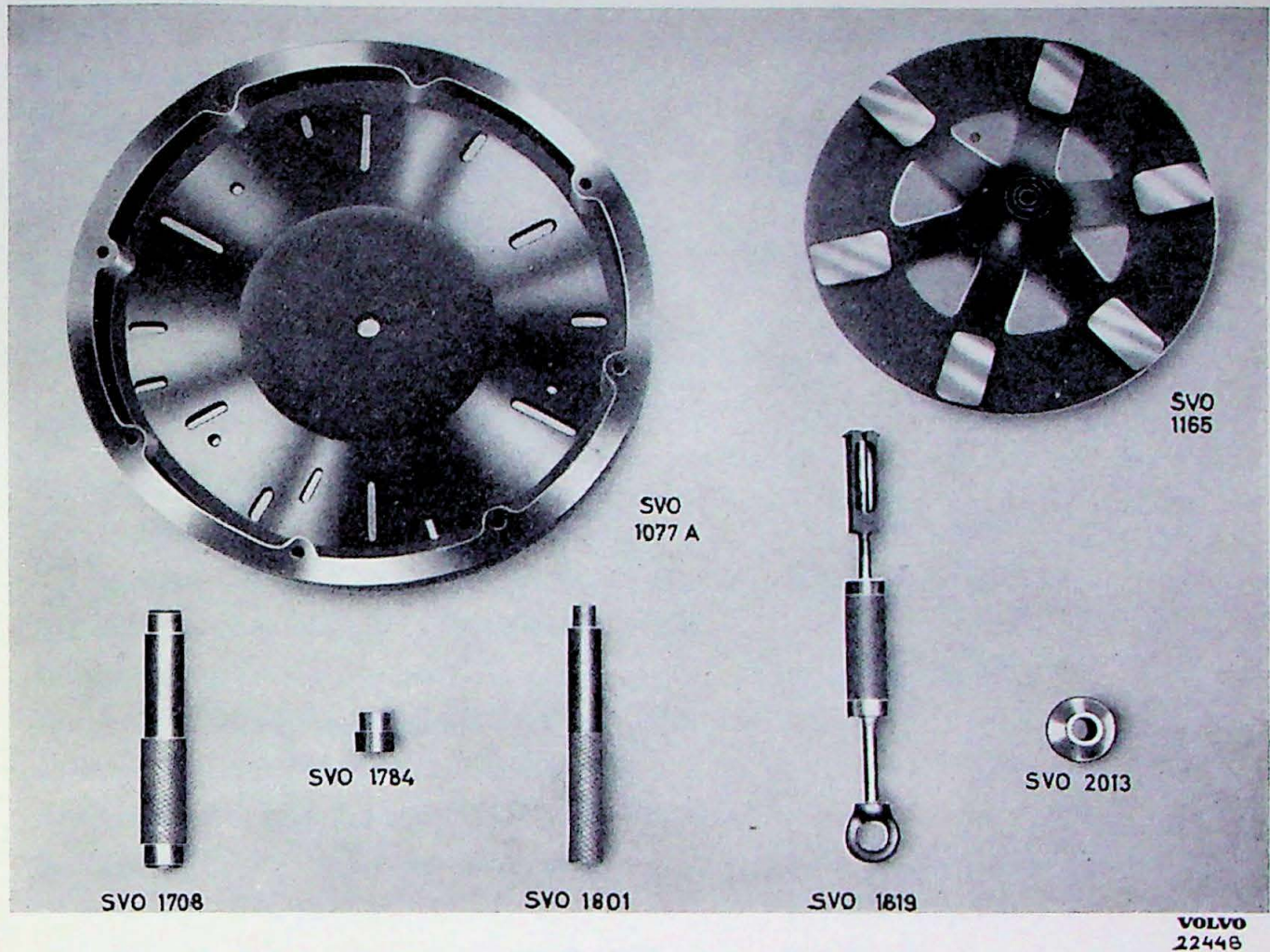


Fig. 2—19.

SVO 1077 A Universal fixture for clutch adjustment
SVO 1165 Adjuster fixture for release levers
SVO 1708 Alignment tool for friction disk
SVO 1784 Tool for fitting of bushing in pedal assembly

SVO 1801 Standard handle 18×200 mm (3/4"×8")
SVO 1819 Puller for flywheel pilot bearing
SVO 2013 Tool for fitting of flywheel pilot bearing

