

Service Manual

216 SKID STEER LOADER

4NZ

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Service Information System

Shutdown SIS

Model: 216 SKID STEER LOADER 4NZ

Configuration: 216 226 228 Skid Steer Loader 4NZ00001-03399 (MACHINE) POWERED BY 3034 Engine

Disassembly and Assembly

RA1.2, R1.4, R2.0, R2.2, R2.5, R2.7, R3.0, R4.5 and R5.5 Series Reduction Starting Motors

Media Number -SENR3828-02

Publication Date -01/07/1999

Date Updated -09/10/2001

i01107056

General Information

SMCS - 4351-012

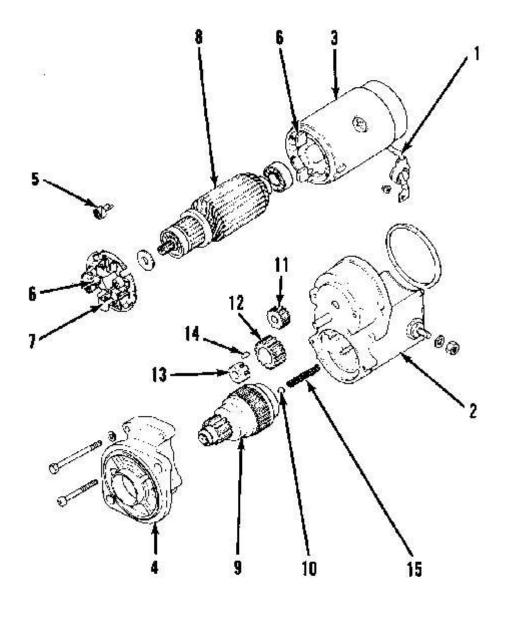


Illustration 1 g00585231

R2.0 Series Reduction Starting Motor

- (1) Motor terminal lead wire
- (2) Solenoid
- (3) Case of the starting motor
- (4) Drive end housing
- (5) Brush springs
- (6) Brushes
- (7) Brush holder
- (8) Armature

- (9) Overrunning clutch
- (10) Steel ball
- (11) Armature reduction gear
- (12) Idler gear
- (13) Retainer
- (14) Roller
- (15) Return spring

Note: The following information is for the disassembly and assembly of a "R2.0 series" starting motor. All other series of starting motors are similar.

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RA1.2, R1.4, R2.0, R2.2, R2.5, R2.7, R3.0, R4.5 and R5.5 Series Reduction Starting Motors

Media Number -SENR3828-02

Publication Date -01/07/1999

Date Updated -09/10/2001

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Starting Motor - Assemble

SMCS - 1453-016

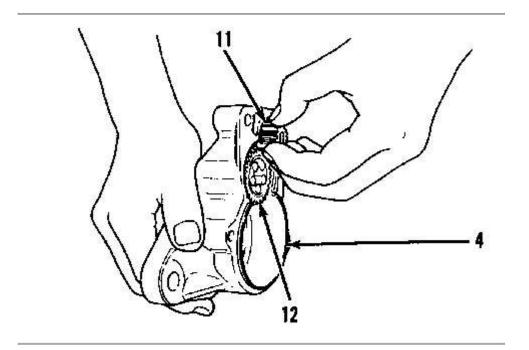


Illustration 1 g00585386

1. Install the return spring (15) into the solenoid (2).

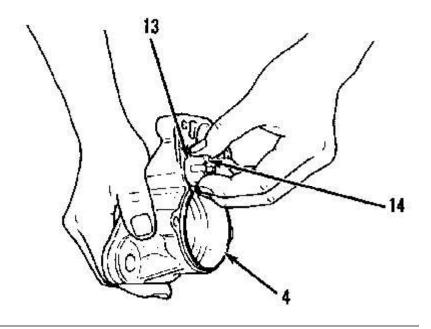


Illustration 2 g00585389

2. Install the rollers (14) and the retainer (13) into the drive end housing (4).

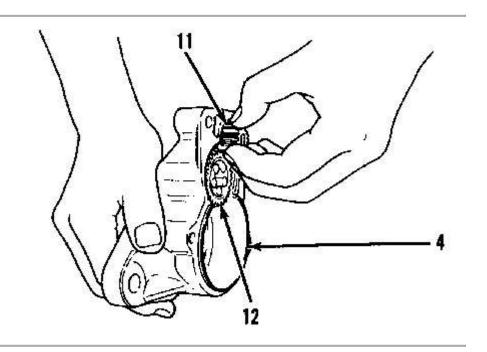


Illustration 3 g00585386

3. Put the idler gear (12) and the armature reduction gear (11) onto the drive end housing (4).

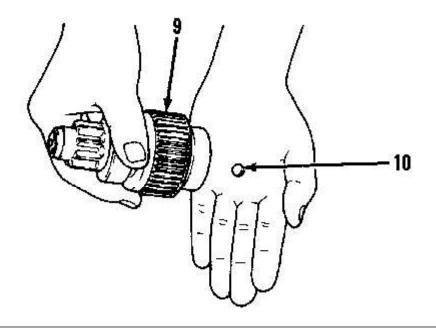


Illustration 4 g00585348

4. Put the steel ball (10) into the overrunning clutch (9).

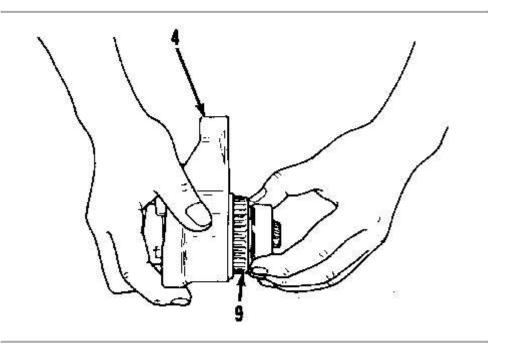


Illustration 5 g00585337

5. Put the overrunning clutch (9) into the drive end housing (4).