

EDITION : 10

ENGINE MODEL NO: 3020, 4020

DATED: 05-26-11

CUSTOMER: JOHN DEERE

ASSEMBLY NO: 20494

SUPERSEDES: 18767

CUSTOMER PART NO: AR50783

TEST STAND: ISO 8984

1. CALIBRATION FLUID...SAE J967 / ISO 4113
(Ref. S.B. 201) AT ROOM TEMPERATURE (70°-80° F)
2. CALIBRATION HIGH PRESSURE PIPES...0.063 X 12"
(1.6 X 305 mm)

NOTE: Reference Pencil Nozzle Service Manual 99002 for additional service information.

INJECTOR SETTINGS

1. OPENING PRESSURE SETTINGS:

SET**** NEW** 3200 ± 50 PSI**SERVICE** 3000 ± 50 PSI

2. VALVE LIFT: TURN 3/4 ± 1/8 .0135 NOMINAL
3. SPRAY ORIFICE SIZE: .0116
4. SPRAY ORIFICE NUMBER: 4
5. SAC TYPE: .095 SHORT
6. RETURN OIL LEAKAGE: 14 DROPS MAX/ 30 SECONDS
AT 1500 PSI AFTER FIRST DROP (SERVICE ONLY)

**** SETTINGS FOR NEW NOZZLE OR WHEN A NEW PRESSURE ADJUSTING SPRING IS USED.**

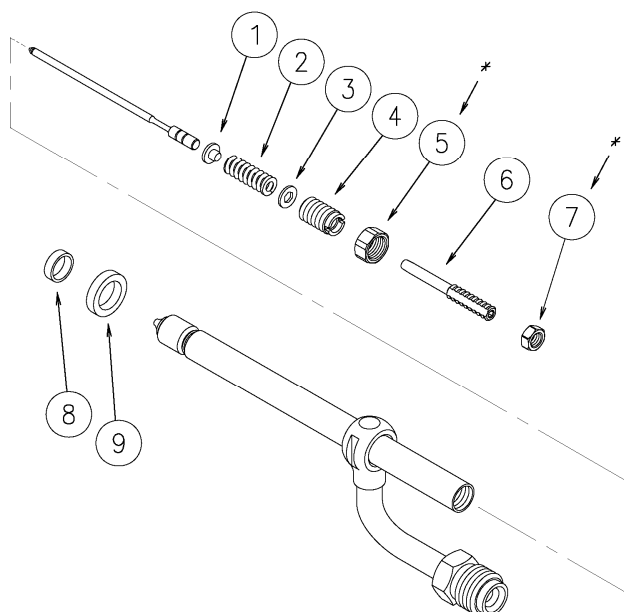
THE FOLLOWING ITEMS USED IN CONJUNCTION WITH THE NOZZLE ASSEMBLY ARE PURCHASED SEPARATELY:

PROTECTIVE SHIPPING CAPS NO. 16560 & 18964
NOZZLE CLAMP ASSEMBLY NO. 22999
NOZZLE CLAMP ASSEMBLY SPACER NO. 27112
FUEL LINE CONNECTOR NUT NO. 16164
FUEL LINE FERRULE NO. 16166
NOZZLE LEAK-OFF BOOT NO. 16165
NOZZLE LEAK-OFF CLAMP NO. 16169 (2)

* ASSEMBLY TORQUE:

24185 70-80 lbf·in (7.9-9.0 N·m)

24186 35-45 lbf·in (4.0-5.1 N·m)



ITEM NO.	PART NO.	QTY REQ.	DESCRIPTION
1	28753	1	SEAT, spring
2	28564	1	SPRING, pressure adjusting
3	20742	1	SHIM, pressure adjusting
4	23705	1	SCREW, pressure adjusting
5	24185 *	1	LOCKNUT, pressure screw
6	39794	1	SCREW, lift adjusting
7	24186 *	1	LOCKNUT, lift screw
8	18839	1	SEAL, carbon stop
9	16168	1	WASHER, plain (black)

FOR ENGINEERING USE ONLYDATE
05-26-11ECN NO.
33127EDITION
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