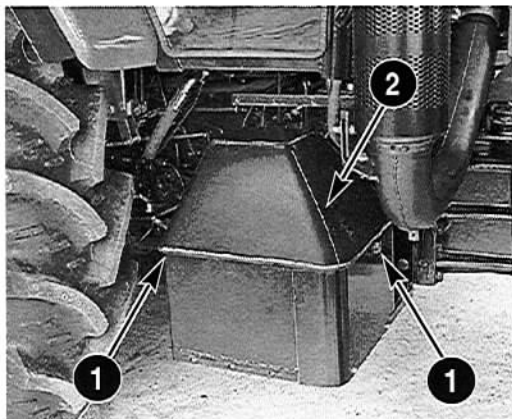


REMOVAL OF ENGINE

STEP 1

Park the tractor on level ground. Apply the park brake, turn off the engine and remove the key. Put blocks in front of and behind the rear wheels.

STEP 2



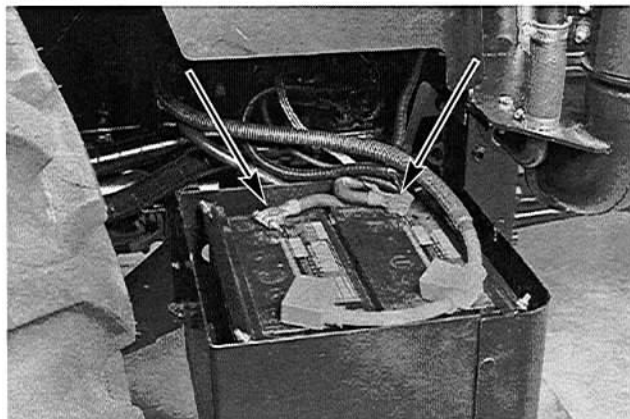
DP96K013

1. KNOBS

2. COVER

Turn the battery box cover knobs (1) until the cover (2) is free. Lift and remove the cover

STEP 3



RH98J002

Disconnect the two battery ground cables, the three ground lugs of the two wiring harnesses and the cab braided ground wire from the batteries.

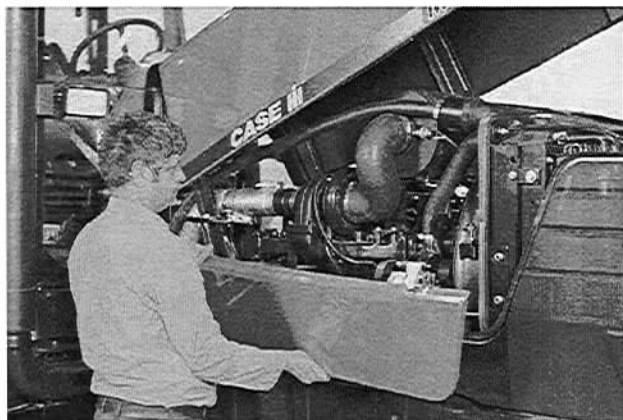
STEP 4



DP96J306

Move the hood release lever to the right and raise the front of the hood.

STEP 5



RH98018

Lift and remove the two side panels.

Section

3001

FUEL TANK

Removal and Installation

CASE CORPORATION
700 State Street
Racine, WI 53404 U.S.A.

CASE CANADA CORPORATION
450 Sherman Avenue
Hamilton, ON L8N 4C4 CANADA

Bur 7-10720

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Printed in U.S.A.
December, 1998

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Installation 5

SPECIFICATIONS

Fuel Capacity 356 Liters (94 U.S. Gallons)
Usable Fuel 344 Liters (91 U.S. Gallons)
Fuel Type No. 2 Diesel Fuel

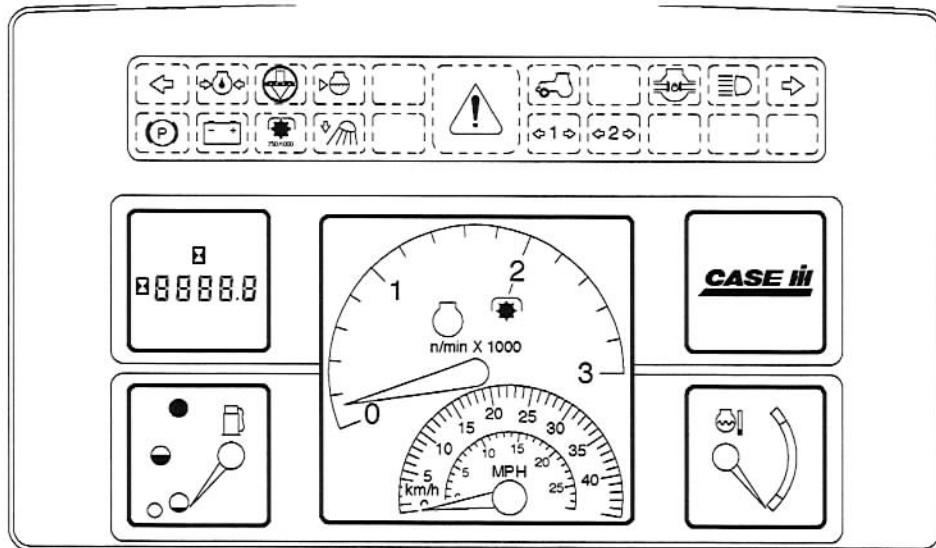
SPECIAL TORQUES

Plate Mounting Bolts 73 to 87 Nm (54 to 64 lb ft)
Bracket Mounting Bolts 73 to 87 Nm (54 to 64 lb ft)
Step Mounting Bolts 73 to 87 Nm (54 to 64 lb ft)

NOTE: Case Corporation reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

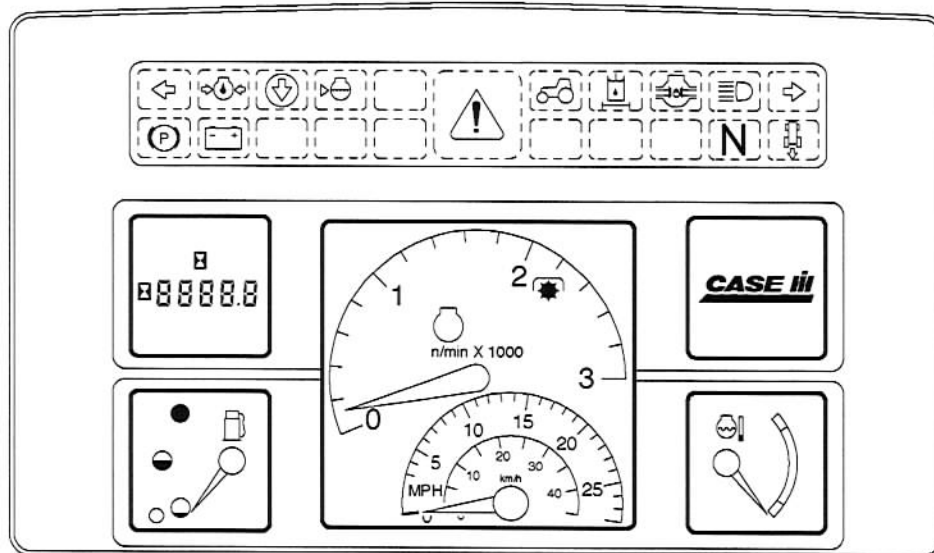
ANALOG INSTRUMENT CLUSTER

GENERAL INFORMATION



CX SERIES ANALOG INSTRUMENT CLUSTER (EUROPEAN)

DI97M210



MX SERIES ANALOG INSTRUMENT CLUSTER (NORTH AMERICA)

DI97M211

The instrument cluster is programmed when leaving the factory. Further programming of the instrument cluster will be necessary if the rear tyre size has been changed or if a new instrument cluster is to be installed. Programming the instrument cluster requires a number switches on the rear of the cluster being set in the ON and OFF positions. There are two sets of switches, the Tacho programming switches (a set of two or three switches) and the speedometer programming switches (a set of eight switches).

NOTE: Some CX tractor instrument clusters are only equipped with two tacho switches.

NOTE: Early MX series instrument clusters are not equipped with the tacho switches. These cluster can only be installed onto MX100, MX110, MX120 and MX135 tractors.

PROGRAMMING THE ANALOG INSTRUMENT CLUSTER

STEP 1



DP97M209

Turn the key to the OFF position and remove the key. Remove the retaining screws and remove the instrument cluster from the instrument panel. Do not disconnect the instrument panel from the harness.

STEP 2

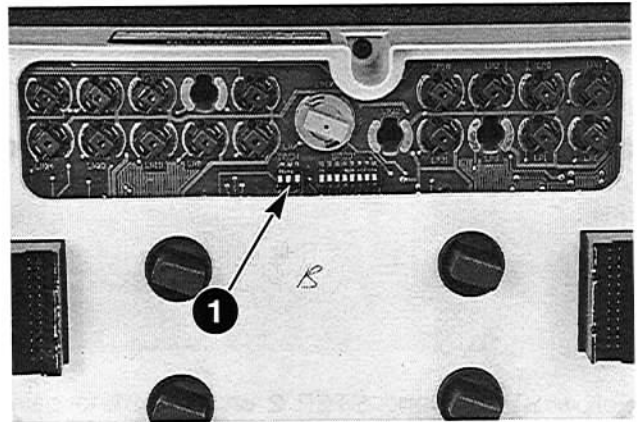


DP(&M208

Remove the cover from the back of the instrument cluster.

Tachometer Programming

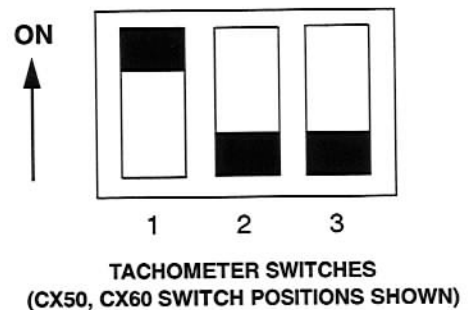
STEP 3



DI97M169

Follow STEP 1 and STEP 2 on this page to gain access to the Tachometer programming switches (1). Use the table below to set the switches in the correct position.

NOTE: Early MX100/110/120 and 135 tractors are only equipped with speedometer programming switches.



TRACTOR	CALIBRATION SWITCH POSITIONS		
	1	2	3
CX50/60 (3 Cylinder Engine)	ON		
CX70/80/90/100 (4 Cylinder Engine)		ON	
MXC Series (4 Cylinder Engine)		ON	
MX Series			ON

Section

6006

SERVICING THE POWERSHIFT TRANSMISSION

6006

CASE CORPORATION
700 State Street
Racine, WI 53404 U.S.A.

CASE CANADA CORPORATION
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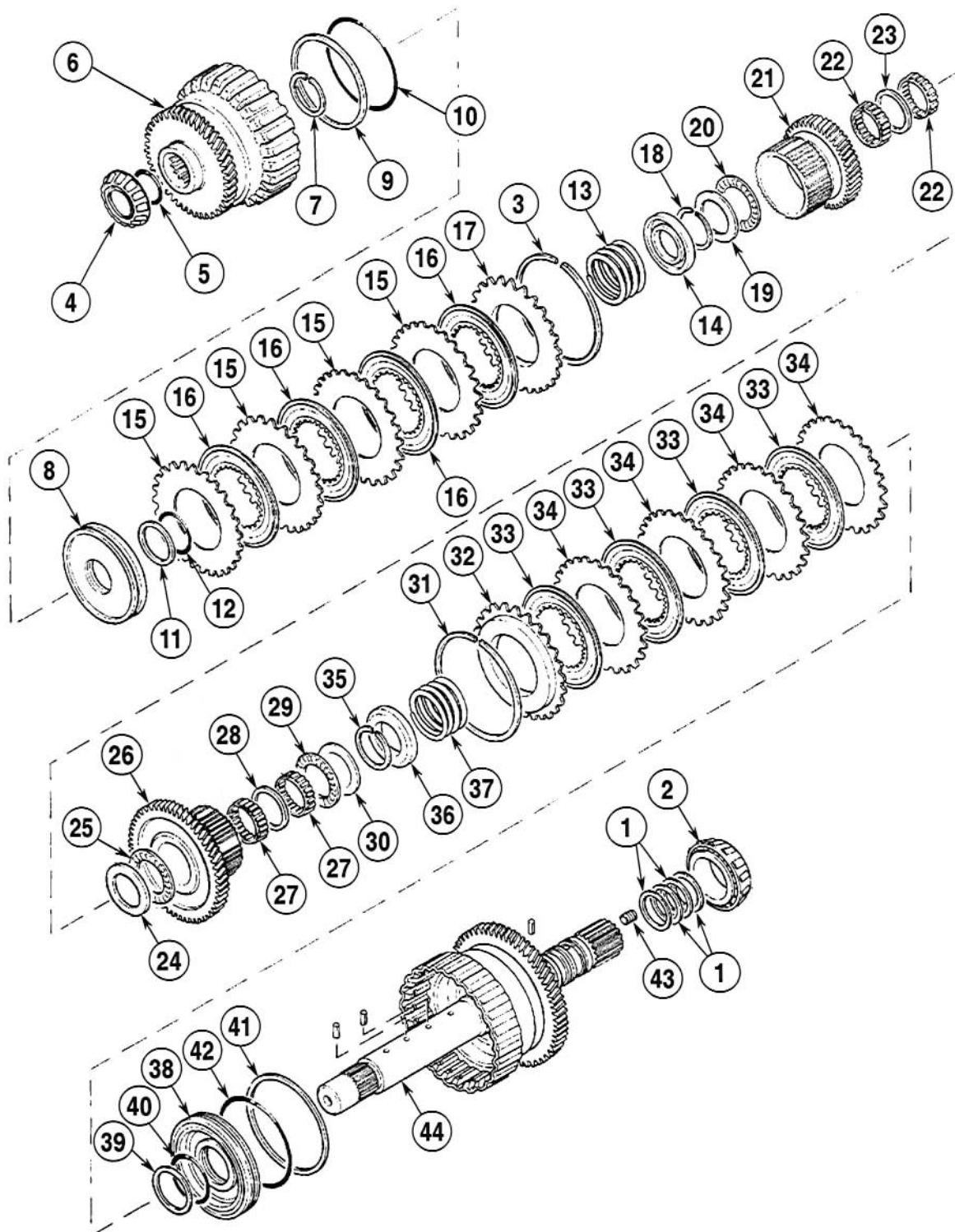
Bur 7-10831

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May, 1999 (Revised August, 1999)

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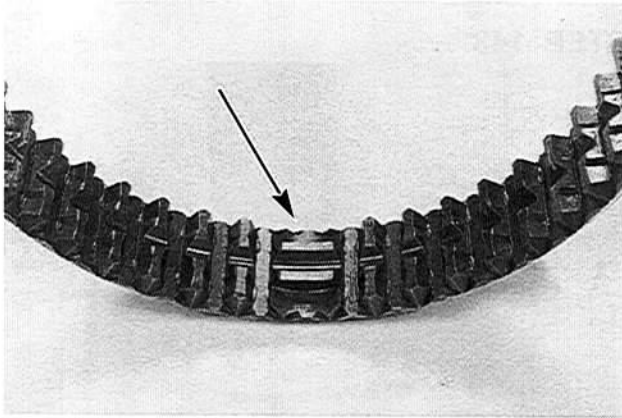
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NOTE: Case Corporation reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

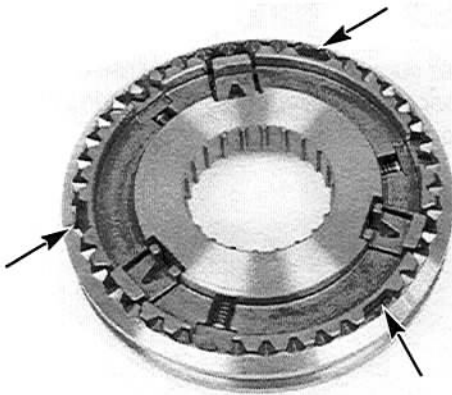


- | | | | |
|------------------------------|--------------------------|--------------------------|---------------------|
| 1. SEAL RING | 12. O-RING | 23. SPACER | 34. SEPARATOR PLATE |
| 2. BEARING CONE | 13. SPRING | 24. THRUST WASHER | 35. RETAINING RING |
| 3. SNAP RING | 14. RETAINER | 25. THRUST BEARING | 36. RETAINER |
| 4. BEARING CONE | 15. SEPARATOR PLATE | 26. THIRD GEAR HUB | 37. SPRING |
| 5. O-RING | 16. FRICTION PLATE | 27. NEEDLE BEARING | 38. PISTON |
| 6. FIRST GEAR CLUTCH HOUSING | 17. CLUTCH BACKING PLATE | 28. SPACER | 39. SEAL |
| 7. RETAINING RING | 18. RETAINING RING | 29. THRUST BEARING | 40. O-RING |
| 8. PISTON | 19. THRUST WASHER | 30. THRUST WASHER | 41. SEAL |
| 9. SEAL | 20. THRUST BEARING | 31. SNAP RING | 42. O-RING |
| 10. O-RING | 21. FIRST GEAR HUB | 32. CLUTCH BACKING PLATE | 43. PLUG |
| 11. SEAL | 22. NEEDLE BEARING | 33. FRICTION PLATE | 44. INPUT SHAFT |

RB99C082

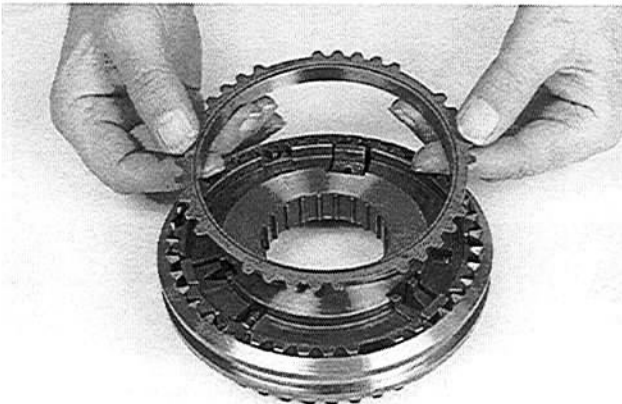
STEP 137

RP98M059



RR98N165

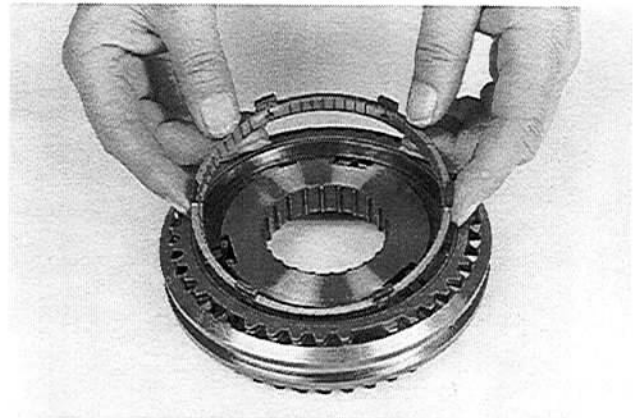
Position the shifting collar on the hub. Note that the shifting collar has vertical teeth and three sections with two horizontal teeth. The three sections with the two horizontal teeth of the shifting collar are aligned with the three notches in the hub. Push down on the shifting collar while pushing the gear segments into the hub until the top of the gear segments are held by the shifting collar. Then, using a suitable tool, push on the plunger and gear segment to push them further into the hub while pushing down on the shifting collar.

STEP 138

RP98M048

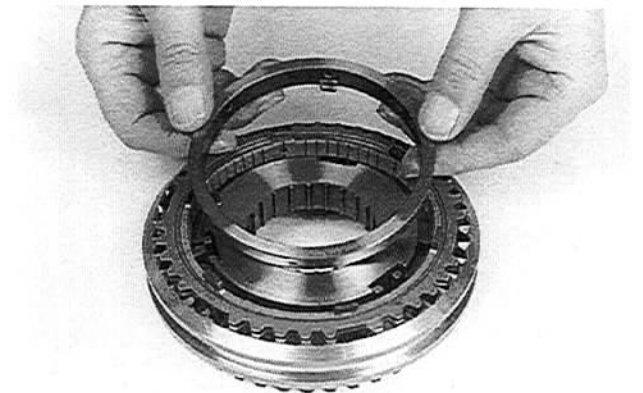
Install the gear segment ring.

Bur 7-10841

STEP 139

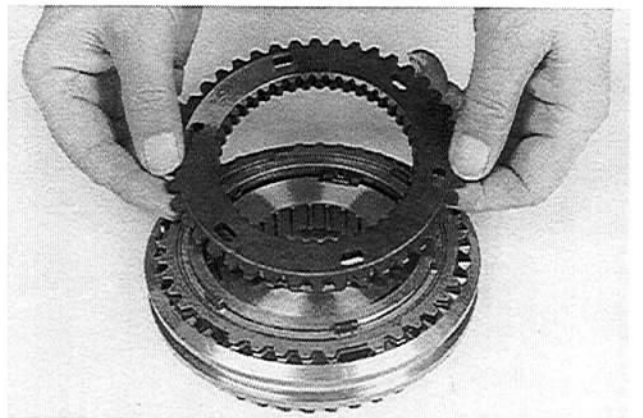
RP98M047

Install the friction cone.

STEP 140

RP98M046

Install the friction collar.

STEP 141

RP98M045

Install the front gear into the synchronizer.