CATERPILLAR®

Service Repair Manual

Models

422F Backhoe Loader

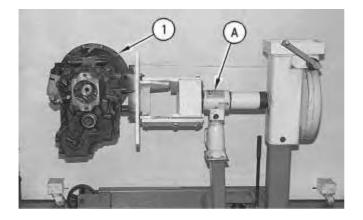


Illustration 1

g00728888

1. Install transmission (1) onto Tooling (A).

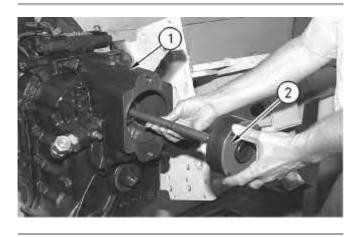


Illustration 2

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2. Remove implement pump drive shaft (2) from transmission (1).

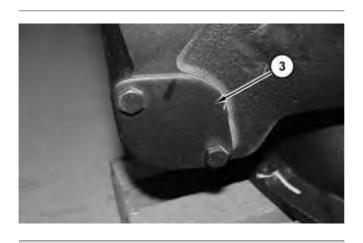


Illustration 3

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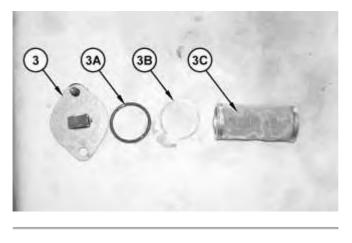


Illustration 4

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3. Remove cover (3). Remove O-ring seal (3A) and spacer (3B). Remove screen (3C).

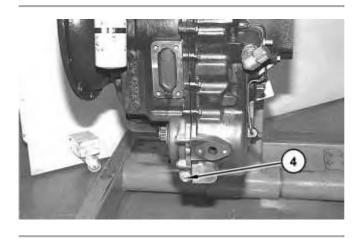
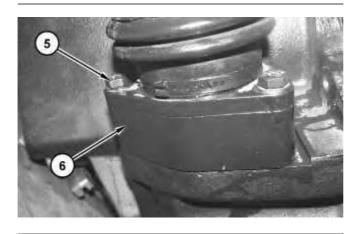


Illustration 5

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4. Remove plug (4). Drain the transmission oil into a suitable container. Refer to Operation and Maintenance Manual, "Transmission Oil - Change".



5. Remove bolts (5) from gear shift (6).

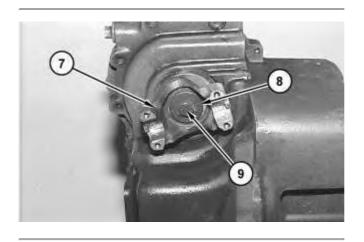


Illustration 7

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6. Remove bolt (9), washer (8), and yoke (7).

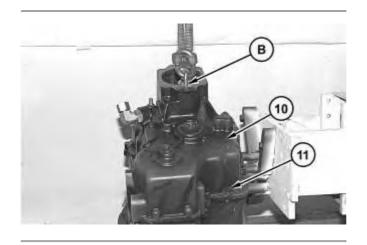


Illustration 8

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7. Attach Tooling (B) to case (10). Attach a suitable lifting device to Tooling (B). Remove bolts (11). Remove case (10) from the transmission. The weight of case (10) is approximately 42 kg (94 lb).

Direct Drive, Front Output Shaft

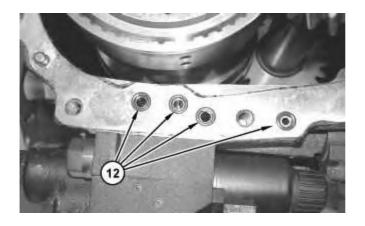


Illustration 9

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1. Remove O-ring seals (12).

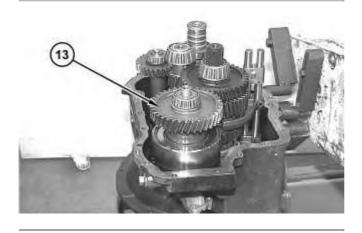


Illustration 10

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2. Remove front output shaft (13).

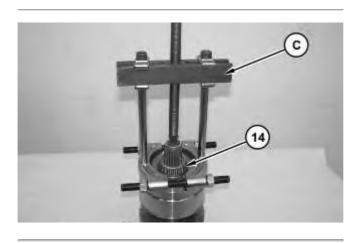


Illustration 11

g01378617

3. Use Tooling (C) to remove bearing cone (14).

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