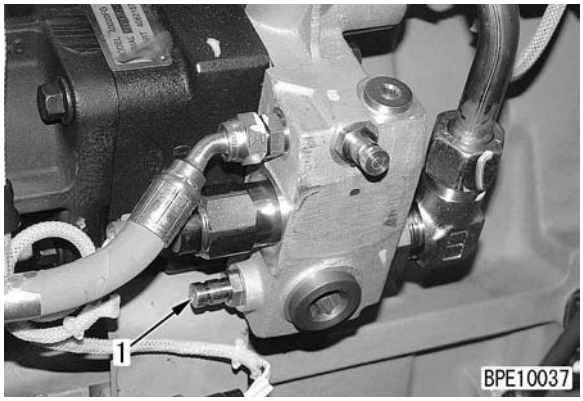
MEASURING FUEL CIRCUIT PRESSURE

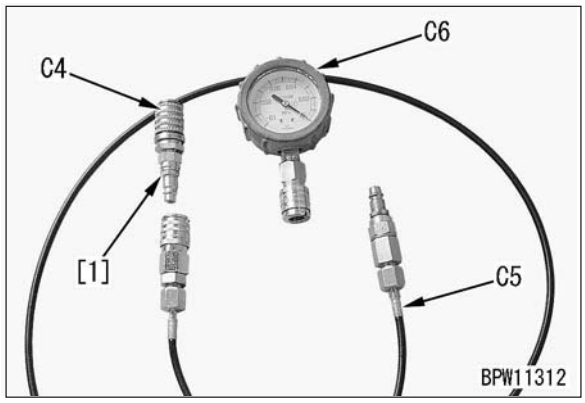
1. Measuring fuel pump inlet pressure

1) Connect adapter **C4**, hose **C5**, and oil pressure gauge **C6** to inlet pressure pickup coupler (1).
   ★ Connect nipple [1] of hydraulic tester **C1** to adapter **C4**.

2) Run the engine at high idling and measure the fuel pump inlet pressure.
   ★ Check that the fuel pump inlet pressure is in the following range.
   ★ Fuel pump inlet pressure (negative pressure):

Engine speed	Fuel pump inlet pressure (kPa {mmHg})	Condition
High idling	Max. –13.6 {Max. –102}	When new filter is used
	Max. –27.1 {Max. –203}	Normal





2. Measuring fuel pump outlet pressure

1) Connect adapter **C4**, hose **C5**, and oil pressure gauge **C7** to outlet pressure pickup coupler (2).
   ★ Connect nipple [1] of hydraulic tester **C1** to adapter **C4**.

2) Run the engine and measure the fuel pump outlet pressure at each engine speed.
   ★ Check that the fuel pump outlet pressure is in the following range.
   ★ Fuel pump outlet pressure:

Engine speed (rpm)	Fuel pump outlet pressure (MPa {kg/cm²})	Sensor voltage (Reference) (V)
600	0.83 ± 0.14 {8.45 ± 1.41}	1.78 ± 0.21
700	0.93 ± 0.14 {9.50 ± 1.41}	1.94 ± 0.21
800	1.03 ± 0.14 {10.53 ± 1.41}	2.10 ± 0.21
900	1.14 ± 0.14 {11.6 ± 1.41}	2.26 ± 0.21
1,000	1.25 ± 0.14 {12.70 ± 1.41}	2.42 ± 0.21
1,100	1.34 ± 0.14 {13.70 ± 1.41}	2.59 ± 0.21
1,200	1.46 ± 0.14 {14.90 ± 1.41}	2.76 ± 0.21