

YMMS: 2006 Ford Pickup F350 Super Duty

Engine: 6.0L Eng

VIN:

May 11, 2020

License:

Odometer:

## AIR CONDITIONING

Fig 1: Automatic A/C Circuit (1 of 2)

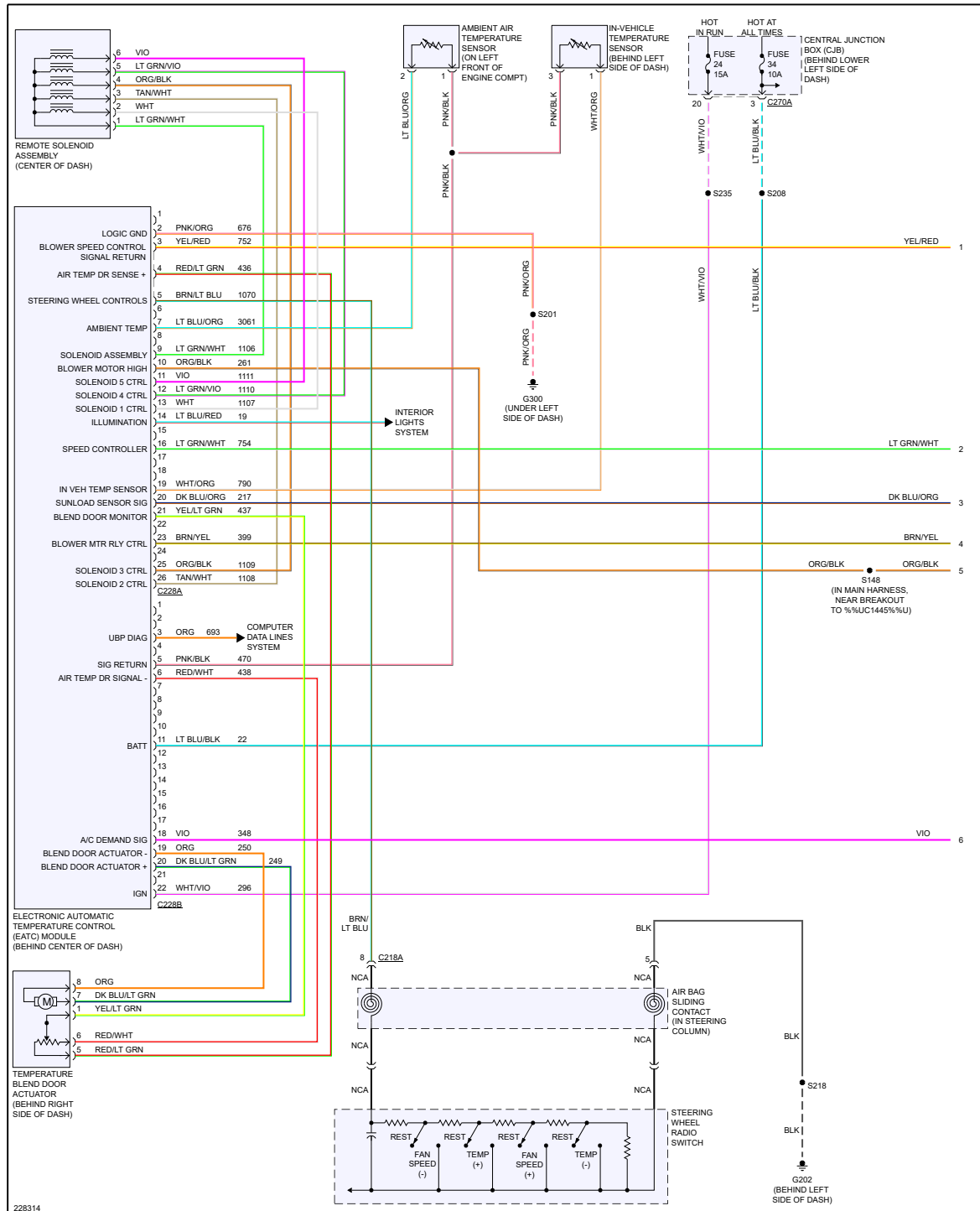
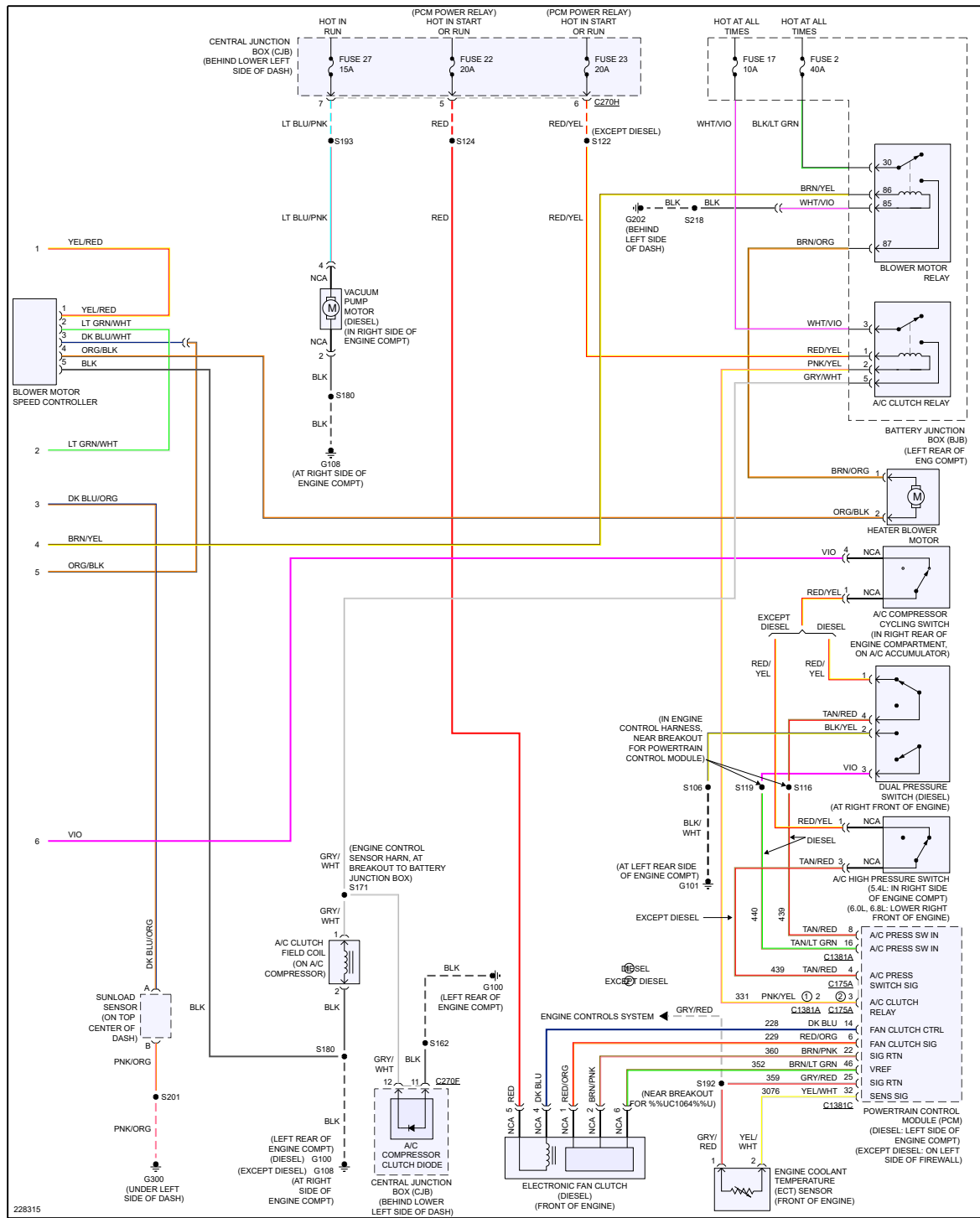


Fig 2: Automatic A/C Circuit (2 of 2)



This is a detailed electrical wiring diagram for a vehicle's engine compartment. It shows the following components and their connections:

- Engine Coolant Temperature (ECT) Sensor:** Connected to a GRY/RED wire (1) and a YEL/WHT wire (2).
- Electronic Fan Clutch (Front of Engine):** Connected to a VREF wire (32) and a SIG RTN wire (25).
- Cooling Fan Speed:** Connected to a RED/ORG wire (6) and a BRN/PNK wire (22).
- Powertrain Control Module (PCM):** Connected to a VREF wire (46) and a BRN/LT GRN wire (352).
- Electronic Fan Clutch (Diesel):** Connected to a BRN/LT GRN wire (6), a BRN/PNK wire (2), a RED/ORG wire (1), a DK BLU wire (1), and a RED wire (5).
- Temperature Blend Door Actuator:** Connected to a BLK wire (8), a WHT/VIO wire (4), a RED/LT GRN wire (3), a YEL/LT GRN wire (3), and a RED/WHT wire (6).
- Temperature Control Potentiometer:** Connected to a RED/V WHT wire (1), a YEL/LT GRN wire (2), a RED/V LT GRN wire (3), a BRN/YEL wire (3), and a WHT/VIO wire (1).
- Front Function Selector Switch Assembly:** Connected to a VIO wire (2), a BLK wire (4), a LT BLU/RED wire (1), a LT GRN/RED wire (2), a BLK wire (1), a ORG/BLK wire (2), a YEL/RED wire (3), and a LT GRN/WHT wire (4).
- Blower Motor Switch:** Connected to a HIGH, MED, and LOW position.
- Heater Blower Motor:** Connected to a BLK wire (2), a LT GRN/WHT wire (1), a YEL/RED wire (3), and a ORG/BLK wire (4).
- A/C System:** Includes the A/C clutch coil, A/C compressor, A/C high pressure switch, and A/C pressure switch. The A/C clutch coil is connected to a GRY/WHT wire (1) and a BLK wire (2). The A/C compressor is connected to a GRY/WHT wire (1) and a BLK wire (2). The A/C high pressure switch is connected to a TAN/RED wire (8) and a TAN/LT GRN wire (16). The A/C pressure switch is connected to a TAN/RED wire (4) and a TAN/LT GRN wire (16).
- Blower Motor Relay:** Connected to a WHT/VIO wire (30), a BRN/YEL wire (85), a BRN/ORG wire (87), and a WHT/VIO wire (3).
- A/C Clutch Relay:** Connected to a RED/YEL wire (1), a PNK/YEL wire (2), a GRY/WHT wire (5), and a WHT/VIO wire (3).
- Heater Blower Motor:** Connected to a ORG/BLK wire (1) and a BLK wire (2).
- A/C Compressor Cycling Switch:** Connected to a RED/YEL wire (1) and a DIESEL wire (1).
- Dual Pressure Switch (Diesel):** Connected to a TAN/RED wire (4) and a BLK/YEL wire (2).
- A/C High Pressure Switch:** Connected to a TAN/RED wire (8) and a TAN/LT GRN wire (16).
- A/C Pressure Switch:** Connected to a TAN/RED wire (4) and a TAN/LT GRN wire (16).
- Powertrain Control Module (Diesel):** Connected to a GRY/WHT wire (1) and a BLK wire (2).

The diagram also shows various fuses (FUSE 2, FUSE 17, FUSE 23, FUSE 24, FUSE 27) and their locations. It includes a central junction box (CJB) and a battery junction box (BJB). The diagram is color-coded to show different wire colors and their connections.

