requirements without all the added weight and complexity of SCR?

Step 3

Advanced Air Management

Advanced EGR utilizes dual turbochargers: the first to provide additional boost at lower engine speeds, followed by an interstage cooler to allow more air to be packed into the large second stage turbo for maximum power at high engine speeds. Combining these features with the increased EGR rate means the combustion in the cylinder occurs slower and at a lower temperature, generating less NO_X.

The advanced EGR system on a MaxxForce engine will only add 70-100 pounds to the vehicle, significantly LESS than an SCR system.

Step 4

Electronic Calibration Strategies

Engine controllers previously utilized pre-programmed lookup table to determine the fuel-air mixture to burn. Increases in computing power now allow the engine controller to continuously calculate the optimum mix to achieve maximum power and efficiency in many different situations.

MAXXFORCE
INTERNATIONAL DIESEL POWER

ADVANCED EGR
2010 Emission Compliant