

MERCEDES-BENZ

# Engine IV

## TOPICS COVERED

- Engines 276, 278 & M270 refresher
- M270, M274, M276 & M278 Introduction
- Low and high-pressure fuel systems
- Air supply components and function
- Ignition system
- Engine cooling and lubrication functions
- M270 vs M274 comparison
- Stratified & Homogeneous combustion
- Chain Drive, Tensioners and replacement
- Check/set engine timing
- Direct Injection, injector replacement procedure
- Regulated engine oil pump
- ECO start/stop function
- High & Low Pressure Fuel Systems, safety concerns
- Charge air system M278 diagnosis and troubleshooting
- Introduction to AMG 4.0 liter V8 bi-turbo engine M177
- M177 Cylinder Shutoff

DATE: *Sunday Sept 10th, 2023*

TIME: *8am - 5pm*

CLASS ID: *SEM1780*

INSTRUCTOR:  
*Johann Chua*

LOCATION:  
*Crowne Plaza*

*1177 Airport Blvd  
Burlingame, CA 94010  
650-342-9200*

COST:  
*\$325 per student  
(meals included)*

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