

GM 2.2L ECOTEC SWIVEL ENGINE STAND w/ STARTING STATION



The GM Ecotec 2.2L engine on a swivel stand is designed for student instruction and practice covering engine mechanical inspection, disassembly, measurement and reassembly. The engine is securely mounted to a heavy duty rotating device equipped with an automatic lock to allow full 360 degree rotation. A steel mounting plate is used for engine mounting that allows full access for rear main seal and flywheel service. Each engine comes equipped with a manual transmission flywheel. The engine starting station contains all components and systems necessary for the starting and running of the GM 2.2L ECOTEC engine. All necessary engine systems connections are provided to allow live operation of each swivel engine stand..

EDUCATIONAL ADVANTAGES

- Accessibility of engine components is enhanced by not having the requirement of whole vehicles in the shop
- Ability to verify proper engine systems operation before and after engine repair
- Provides a single starting station that can be used with multiple engine stands
- All rotating components are covered with safety shields or guards to prevent injuries
- Continuity of subject matter is provided by students working on identical engines
- Multiple NATEF tasks in the Engine Repair area can be performed on this product

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SPECIFICATIONS

APPLICATION:

- 2003-2005 GM 2.2L ECOTEC ENGINE

STANDARD EQUIPMENT AND FEATURES:

The **swivel engine stand** (35000) comes equipped with:

- Heavy duty automatic locking engine rotating device (hand crank)
- Included drip pan with drain under engine
- Full access to all internal and external engine components
- Quick connect fittings for fuel lines
- OEM Starter and alternator
- OEM Fuel injectors and throttle body
- OEM Engine management sensors
- Sequential fuel injection with electronic ignition
- OEM COP (Coil On Plug) Ignition system
- Application specific heavy duty steel frame
- 5" Phenol casters (two fixed & two swivel with locks)
- Powder coated acrylic enamel finish
- Custom machined engine mounting plate designed for full access for flywheel, crankshaft and rear main oil seal service procedures
- Equipped with a manual transmission flywheel
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The **starting station** (35008) comes equipped with:

- Vehicle VIN number matching all included components
- OEM color matched wiring and connectors
- Quick connect fuel lines for easy assembly/disassembly
- Fuel tank with OEM style fuel cap suitable for EVAP testing
- Fuel tank has OEM fuel pump and sending unit
- OEM functional EVAP system with test port
- OEM Catalytic converter
- OEM Radiator and hoses
- OEM Instrument cluster with OEM key
- OEM Anti-Theft system
- OEM Waste spark ignition system
- PCM break out box with 4mm test point receptacles
- OBDII DLC (data link connector) for scan tool hookup
- 12V battery
- Comes with only one OEM key

The GM ECOTEC swivel engine stand and the starting station are also available separately.

OPTIONAL EQUIPMENT

- EM-250 Manual Fault Box for Engine Performance
- EM-1200 Lockable Vinyl Dust Cover
- EM-1210 Automatic Battery Charger
- Storage area drawer under the drip tray

TECHNICAL INFORMATION

Dimensions: 56" W x 40" L x 56" H w/o pallet / 59" W x 46" L x 59" H w/pallet
Weight: 800 lbs w/o pallet / 900 lbs w/pallet