

GSA Option Code Descriptions

AM6 Automated Mechanical Transmission Six (6) Speed

When code AM6 is specified, the vehicle shall be furnished with a fully automated mechanical transmission (no clutch pedal). All shifting and clutching operations shall be automated. This transmission is to be specified for most On-Highway Applications. In particular, any fuel efficient application should be equipped with this type of transmission. This transmission shall be computer controlled and have 6 forward speeds. The net torque capacity and the net power rating of the transmission shall exceed the output ratings of the engine in all gears. The transmission shall be provided with power takeoff provisions to include gear and opening. Transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed

AM10 Automated Mechanical Transmission Ten (10) Speed

When code AM10 is specified, the vehicle shall be furnished with a fully automated mechanical transmission (no clutch pedal). All shifting and clutching operations shall be automated. This transmission is to be specified for most On-Highway Applications. In particular, any fuel efficient application should be equipped with this type of transmission. This transmission shall be computer controlled and have 10 forward speeds. The net torque capacity and the net power rating of the transmission shall exceed the output ratings of the engine in all gears. The transmission shall be provided with power takeoff provisions to include gear and opening. Transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

AM10 Automated Mechanical Transmission Ten (8LL) Speed

When code AM10 for dump and/or construction trucks is specified, the vehicle shall be furnished with a fully automated mechanical transmission (no clutch pedal). All shifting and clutching operations shall be automated. This transmission is to be specified for vocational usage i.e. Dump, Construction applications. In particular, any fuel efficient application should be equipped with this type of transmission. This transmission shall be computer controlled and have 10 forward speeds including 2 low gear ratios. The net torque capacity and the net power rating of the transmission shall exceed the output ratings of the engine in all gears. The transmission shall be provided with power takeoff provisions to include gear and opening. The transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

GSA Option Code Descriptions

AM13 Automated Mechanical Transmission Ten (13) Speed

When code AM13 is specified, the vehicle shall be furnished with a fully automated mechanical transmission (no clutch pedal). All shifting and clutching operations shall be automated. This transmission is to be specified for any on-highway applications that tend to run heavier weights or mountain driving. In particular, any fuel efficient application should be equipped with this type of transmission. This transmission shall be computer controlled and have 13 forward speeds. The net torque capacity and the net power rating of the transmission shall exceed the output ratings of the engine in all gears. The transmission shall be provided with power takeoff provisions to include gear and opening. Transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

AM18 Automated Mechanical Transmission Ten (18) Speed

When code AM18 is specified, the vehicle shall be furnished with a fully automated mechanical transmission (no clutch pedal). All shifting and clutching operations shall be automated. This transmission is to be specified for on/off-highway applications that have the highest payload and performance requirements. In particular, any fuel efficient application should be equipped with this type of transmission. This transmission shall be computer controlled and have 18 forward speeds. The net torque capacity and the net power rating of the transmission shall exceed the output ratings of the engine in all gears. The transmission shall be provided with power takeoff provisions to include gear and opening. Transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

Automated Mechanical Transmission

When an automated mechanical transmission is specified, the vehicle shall be furnished with a fully automated mechanical transmission (no clutch pedal). All shifting and clutching operations shall be automated. This transmission is to be specified for most On-Highway Applications. In particular, any fuel efficient application should be equipped with this type of transmission. This transmission shall be computer controlled and have a minimum of 10 forward speeds. The net torque capacity and the net power rating of the transmission shall exceed the output ratings of the engine in all gears. The transmission shall be provided with power takeoff provisions to include gear and opening. The transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

GSA Option Code Descriptions

HEV Hybrid Electric Vehicle

When code HEV is specified, the vehicle shall be furnished with an electric hybrid power system to significantly reduce fuel usage and provide credit toward the "Alternative Fuel Vehicle Acquisition" mandate. The electric hybrid power system is to be specified for applications that 1) contain city, stop & go driving, or 2) require additional electrical power for the required vocations.

Example Applications Include:

Stop & Go:

- Shuttle Bus
- Dry Van
- Refrigerated Van
- Stake
- Dump
- Cab & Chassis
- City Tractor

Additional Electrical Power (with engine off feature):

- Shuttle Bus: Powers Air Conditioning
- Maintenance/Bucket: Powers the bucket
- Vehicle Carrier: Powers the hydraulics
- Maintenance/Cab Chassis: Powers 110 volt power tools from vehicle

The hybrid power system transmission shall be computer controlled with a minimum of 6 forward speeds. All shifting and clutching operations shall be automated. The net torque capacity and the net power rating of the transmission shall exceed the output ratings of the engine in all gears. The transmission shall be provided with power takeoff provisions to include gear and opening. The transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

HAPG Hybrid Electric Auxiliary Power Generator

When code HAPG is specified, the vehicle shall be furnished with an electric hybrid power system that drives an auxiliary power generator. The hybrid electric auxiliary power generator is to be specified when additional electric power such as power tools is desired at a stationary work site and may only be specified when HEV option is selected. The auxiliary power generator shall be powered by the hybrid electric system and provide up to 120 volt power to allow auxiliary power function at a job site with vehicle engine off capability. The vehicle engine shall automatically activate when signaled by the hybrid electric system indicating hybrid battery recharging is required. The vehicle engine shall automatically deactivate when signaled by the hybrid electric system indicated hybrid battery recharging is complete. The hybrid electric auxiliary power generator system shall be rendered non-functional when 1) signaled by the vehicle's hood open

GSA Option Code Descriptions

safety feature 2) signaled the vehicle's parking brakes and neutral gear are not engaged.

HPTO Hybrid Electric Power Take Off

When code HPTO is specified, the vehicle shall be furnished with an electric hybrid power system that drives an electric power take off feature. The hybrid electric power take off (ePTO) feature is to be specified when additional hydraulic powered systems such as a utility bucket lift is desired at a stationary work site and may only be specified when HEV option is selected. The electric power take off shall be powered by the hybrid electric system and provide 13 continuous horse power and 26 peak horse power to allow PTO function at a job site with vehicle engine off capability. The vehicle engine shall automatically activate when signaled by the hybrid electric system indicating hybrid battery recharging is required. The vehicle engine shall automatically de-activate when signaled by the hybrid electric system indicated hybrid battery recharging is complete. The hybrid electric power take off system shall be rendered non-functional when 1) signaled by the vehicle's hood open safety feature 2) signaled the vehicle's parking brakes and neutral gear are not engaged.

T6 MANUAL TRANSMISSION SIX (6) SPEED

When code T6, is specified, a six speed manual transmission, shall be provided. This transmission is to be specified when the driver skill is known and considered to be adequate for manual transmission shifting. Gear ratios in the transmission shall provide a progressive shifting pattern throughout the complete range. The transmission shall be provided with SAE J704 power takeoff openings at the right and left sides. The transmission shall provide for maximum ease of shifting in all speeds. The input torque capacity of the transmission shall equal or exceed the maximum torque delivered by the engine. Transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

T10 MANUAL TRANSMISSION TEN (10) SPEED

When code T10 is specified, a ten speed manual transmission shall be provided. This transmission is to be specified when the driver skill is known and considered to be adequate for non-synchronized shifting. Gear ratios in the transmission shall provide a progressive shifting pattern throughout the complete range. The transmission shall be provided with SAE J704 power takeoff openings at the right and left sides. The transmission shall provide for maximum ease of shifting in all speeds. The input torque capacity of the transmission shall equal or exceed the maximum torque delivered by the engine. Transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.

GSA Option Code Descriptions

T10 MANUAL TRANSMISSION TEN (8LL) SPEED

When code T10 for dump and/or construction trucks is specified, a ten speed manual transmission shall be provided that is equipped with two low gear ratios. This transmission is to be specified for vocational usage i.e. Dump, Construction and when the driver skill is known and considered to be adequate for non-synchronized shifting. Gear ratios in the transmission shall provide a progressive shifting pattern throughout the complete range. The transmission shall be provided with SAE J704 power takeoff openings at the right and left sides. The transmission shall provide for maximum ease of shifting in all speeds. The input torque capacity of the transmission shall equal or exceed the maximum torque delivered by the engine. Transmission shall be equipped with synthetic fluid and be labeled on its exterior to indicate the type of fluid installed.