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BODY BUILDERS INSTRUCTIONS

The Incomplete Vehicle Document (IVD) is supplied with each incomplete vehicle, and provides information that should be used by intermediate and final stage manufacturers in determining conformity to applicable Federal Motor Vehicle Safety Standards (FMVSS). The IVD also includes information which must be followed in order to ensure that Environmental Protection Agency (EPA) and California emissions certification requirements and NHTSA Fuel Regulations are met.

This Body Builders Book contains information that may be used in addition to the IVD for any manufacturer making alterations to a GM complete/incomplete vehicle. No alteration should be made to the incomplete vehicle which either directly or indirectly results in any component, assembly or system being in nonconformance with any applicable Federal Motor Vehicle Safety Standard or Emission Regulation. Intermediate and final stage manufacturers should be familiar with all Federal Motor Vehicle Safety Standards and Emission Regulations and aware of their specific responsibilities as manufacturers.

For further assistance contact Upfitter Integration at: 1 (800) 875-4742, or go to our Web site at "http://www.gmupfitter.com."

Section 0 — General Instructions

Check for proper clearance between body members and chassis components which may in anyway affect the reliability and performance of the vehicle by developing abrasion and wear points from moving parts or degradation from extreme environment or thermal exposure or may increase interior noise.

Check headlamp aim and all vehicle illumination systems for proper operation when the vehicle has been completed. Re-aim head lamps when necessary. Check for proper operation of windshield washer, wipers and defroster system.

Extreme care must be taken when working on vehicles equipped with Engine Control Module (ECM), Powertrain Control Module (PCM), Transmission Control Module (TCM), Vehicle Control Module (VCM) or any electronic unit associated with an inflatable restraint system. (See Owner's Manual).

If arc-welding is employed on the chassis, precautions must be taken to protect all vehicle components, especially brake and fuel lines, fuel tank assembly, electrical wiring and ECM/PCM/TCM or VCM. To avoid electronic component damage, disconnect battery (batteries); disconnect the negative cable first, followed by the positive. To reconnect cables; connect the positive first, then the negative.

When welding components to the frame assembly, remove the wax coating in the area of the weld in order to obtain secure welds. After completion of the weld, a compatible corrosion protection should be applied to the affected weld areas.

(Section 0 — continued from previous page)

All labels on the vehicle (any message applied to the vehicle or vehicle component that informs, instructs, or warns) must appear on the completed vehicle so the user can read them easily and without obstruction.

Those installing aftermarket systems should provide information as to where and how to obtain service and replacement parts.

When installing a Power Take-Off (PTO) with hydraulic lines, the following care should be exercised:

- Route and secure all hydraulic lines so that they are not in close proximity to any parts of the exhaust system. Keep all fittings and connections away from the exhaust system. Make sure connections and fittings cannot leak on the exhaust system.
- Exhaust system heat can damage and degrade hydraulic lines and components. Oils and hydraulic fluid coming in contact with a hot exhaust system could result in a fire.

Section 1 — Body

Accessory items, such as refrigerator, hot water heater, furnace, etc., which operate on liquid propane gas should be located and protected to prevent exposure to any flame.

GM has established automotive refinishing standards for itself as well as its aftermarket retailers. Each division requires the dealer or retailer to use only materials and methods that meet GM standard GM 4901M when repairing, replacing or refinishing vehicles.

Each year, all new paint systems will be tested and evaluated. New or improved products will also be tested. The paint systems that pass this annual testing process will be published in this booklet, and updated annually.

If GM 4901M booklets are needed, call 1-800-269-5100.

Body structures, interior and accessory arrangements must be designed into the vehicle to provide for proper load distribution on both axles and not to exceed any gross axle weight ratings. Lateral load equalization must also be maintained. The resultant Center of Gravity of the unladen vehicle must be within the limits tabulated in the FMVSS 105 section of the Incomplete Vehicle Document.

Body insulation provided by General Motors should not be removed. This includes any thermal or underbody heat shields. This insulation is provided to protect the vehicle body and occupants from excessive heat and/or provide noise attenuation. Any replacement material internal to the occupant compartment must be certified for FMVSS 302 Flammability of Interior Materials. Areas of specific concern, but not limited to are:

• Underbody exhaust, muffler and tail pipe shields and insulators.

(Section 1 — continued on next page)

(Section 1 — continued from previous page)

- Rear load floor interior insulation.
- Front floor interior insulation.
- Dash mat insulation.
- Engine cowl insulation interior and exterior.
- Engine cover insulation.
- Hood Insulation

Conversions

A minimum of 10° departure angle should be maintained if frame and/or body is extended.

Selected trim components above the belt line have energy absorbing foam added behind the trim (headliners, A, B and C garnish moldings), to comply with MVSS 201. Any modification could affect compliance.

If body builder installs seating other than that supplied with vehicle, it is the body builder's responsibility to ensure that the seating and restraint systems comply with FMVSS requirements. The restraint systems supplied with the vehicle were designed to accommodate the seating reference points and seat travel of the original equipment seats only.

Air Conditioning

For additional information refer to **Engine - Section 6.**

NOTE: Air conditioning systems using R-134A refrigerant are equipped with metric fittings to prevent interchange with R-12 refrigerant components. Do not interchange R-134A components, refrigerant oil or service equipment with R-12 components, refrigerant oil or service equipment.

Rear Air Conditioning

This unit may be equipped with A/C quick-connect fittings (Option YF7) on the liquid tube (high pressure) and the suction (low pressure) return tube. These fittings are designed to accept matching Aeroquip connecting fittings attached to pre-charged lines. This allows a one time only connection to the O.E.M. charged A/C system without having to discharge, evacuate and recharge for the connection of a rear A/C system.

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(Section 1 — continued from previous page)

A modification to the A/C system which causes the A/C plumbing lines to increase in length (such as the addition of a rear after-market evaporator and blower assembly) will necessitate the following changes:

- Lubrication PAG refrigerant oil must be added to rear system to provide lubrication for compressor. Refer to Service Manual for specifications.
- Refrigerant Add R-134A refrigerant to system based on sizing of new tubes, hoses and evaporator. Contact your A/C supplier for recommended charge.
- Label Revise/modify GM charge label (located on top of front evaporator or A/C bottle) from factory recommended charge for a front system only to body builder's new recommended dual system per SAE J639. This is important for servicing the A/C system so that the technician knows the correct amount to add to the modified system.

Section 2 — Frame

Hole drilling, welding, modifications, or alterations to the frame assembly are the responsibility of persons performing these operations. These same individuals assume complete responsibility for frame assembly, reliability, performance after alterations and compliance to applicable FMVSS requirements.

The following procedures and specific precautionary instructions are recommended for proper installation of special bodies and/or equipment on GM frames. Failure to follow these recommendations could result in serious damage to the basic vehicle.

Flanges

Do not drill holes in frame flanges.

Holes

Holes to mount brackets, supports, and out-riggers must be drilled in the vertical side rail web with the following restrictions:

- Material between edge of hole and inside of upper or lower flange must not be less than 37 mm (1.50 in.) for HSLA (40,000 PSI yield).
- The minimum edge distance between any two (2) holes must be larger than twice the diameter of the larger hole.
- No holes should exceed 20 mm (0.75 in.) in diameter.
- All holes should be drilled in the frame using appropriate drilling practice and safety precautions.

(Section 2 — continued on next page)

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Welding

CAUTION: Fuel tank and fuel lines must be drained and all vapors purged to ensure non-combustible mixture before any welding, brazing or soldering.

When welding high-strength, low-allow (HSLA 40,000 PSI yield strength) side rails or crossmembers and brackets (32,000 or 36,000 PSI yield strength), emphasis is placed upon weld application techniques to avoid stress risers that may adversely affect frame operating stresses.

When welding is performed anywhere on the vehicle, precautionary measures should be taken to prevent damage to electrical system wiring or components. Prior to any welding, parts or components which could be damaged by excessive temperatures must be removed or adequately shielded; the battery cables should be disconnected at the battery. Also prior to welding, the area to be welded and surrounding area must be cleaned of all frame protective coating. After welding, when parts are cool, carefully inspect wiring and electrical components for shorts or other damage which could draw excessive currents and possibly cause an electrical system short when the battery is reconnected. Apply protective coating to areas where coating was removed.

Alterations

If the wheelbase is modified the alterer must take responsibility for compliance with affected FMVSS and for warranty on items such as driveshafts, universal joints, center bearings and rear transmission tailshaft, transfercase and transmission case fractures, output shaft bushings, bearings, brakes, fuel systems and any other related component failures. Additionally, the customer must be alerted in the modifier's owner's manual that parts for the reworked area are not available through the General Motors service parts system.

Shear Plate Attachments

Attachments of shear plates should be accomplished by using existing manufacturing holes already available in the frame side rails. Manufacturing holes, normally 25 mm in diameter, are consistently placed along the frame side member in the center of the web on each frame.

When additional holes are required for shear plate attachment, they should be no larger than 19 mm (0.75 in.) in diameter. Holes are to be drilled no closer than 63.5 mm (2.5 in.) apart. For holes drilled forward of the rear axle, centers are to be no closer than 63.5 mm (2.5 in.) from the top or bottom flanges and no closer than 89 mm (3.5 in.) from any suspension attachments. For frame holes drilled rearward of the rear axle, hole centers are to be no closer than 51 mm (2.0 in.) from the top or bottom flange and no closer than 89 mm (3.5 in.) from suspension attachments.

No additional holes or notching of either top or bottom frame flanges is allowed.

<u>Section 3 — Front Suspension</u>

Since there is a large variation in completed vehicle front weight due to differences in body weight and equipment, the front suspension alignment must be checked and reset if necessary after the vehicle is completed. Caster and camber should be set with reference to the "A" dimensions.

See Truck Service Manual for complete alignment procedure, specifications and measurement of the "A" dimension under "Diagnosis and Front Alignment" section.

C/K Models are designed such that camber and caster do not need adjustment unless severe road impact or accident deformation occurs. Toe should be reset after the vehicle is completed and while at normal operating load with trim height as specified (K-Model).

<u>Section 4 — Rear Suspension</u>

Clearance to body should be provided for the suspension, axle, driveshaft and tires under the following conditions: (1) Axle in full jounce against the metal-to-metal stop, (2) Axle at 4.5° roll with one side of axle in full jounce at the metal-to-metal stop and (3) Axle at design position. Allowance for the tire chain clearance shown on a maximum grown tire must allow for 42.2 mm (1.66 in.) clearance to the sides of the tire and 63.5 mm (2.5 in.) to the top of the tire. Be sure sufficient clearance is provided for suspension, axle and tire and wheel in full vertical travel (up and down).

NOTE: Notification to the consumer may be required in certain states if tire chains cannot be used.

Pipes, wiring, conduits and any other related components must not be placed where they cross the path of motion of the rear axle, driveshaft, axle brake pipes, hoses, spring or tires. Such crossing could result in rupture, wear-through, or separation due to normal axle motion.

See chassis data information for additional clearances and for assistance in calculating trim heights.

Section 5 — Brakes

See Truck Service Manual for brake specifications.

Due to the critical nature of brake systems, anyone making modifications or alterations must assume complete responsibility for system reliability, performance and certification to FMVSS 105 or FMVSS 121.

(Section 5 — continued on next page)

(Section 5 — continued from previous page)

It is mandatory that no change be made to the brake main cylinder location, brake pedal push rod length or pedal position. Ensure that the hydraulic brake system is free of air and hydraulic leaks. Bleed brakes if required, following procedures as outlined in truck chassis service manual. Ensure that the vacuum booster system or hydraulic brake booster system is functional and free of leaks.

Check master cylinder fluid level and fill as necessary. (Refer to Owner's Manual).

Check power steering fluid level for models equipped with hydroboost brake. (Refer to Owner's Manual).

Added floor covering or carpeting must not restrict service or parking brake pedal travel from released position to full pedal travel.

No body part or chassis-mounted component may be located within 2.0 in. of brake hose routing in all wheel and axle positions. All exhaust system components must also have a minimum of 2.0 in. clearance to brake hoses in closest positions. (Be sure to account for brake hose travel with suspension.)

Body builder is to verify that the brake warning switch is operative. The brake warning switch on models equipped with vacuum-hydraulic brakes is located on the master cylinder. This includes both the brake system fluid level and parking brake actuator switch.

Section 6 - Engine

For additional information refer to **Body - Section 1.**

Air conditioning and auxiliary belt-driven equipment installation recommendations:

No alterations or additions to the accessory drive belt system will be warranted on serpentine belt systems.

The serpentine belt type of drive is designed as a total system, incorporating a single poly-V belt and an automatic tensioner. In this type of system, degrees of pulley wrap, belt tension, and pulley alignment are very critical factors. Modification is not recommended.

In some single belt serpentine systems, belt tension is determined by the automatic tensioner and its position relative to the belt. No adjustment required.

Due to the critical nature of the accelerator system, anyone making modifications or alterations assumes complete responsibility for system reliability, performance and compliance to FMVSS 124. Caution must be exercised so that the accelerator cable is properly routed. Specifications are as follows:

• Route cable to maximize all bend radii. In no case should bend radii be less than 3 in. (76 mm).

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- Minimum distance from exhaust manifold to be 6.0 in. (150 mm), unless a heat shield is provided.
- Do not use accelerator cable or clips to route wires, harnesses or other cables. Cable sheath must be clipped so as not to pinch inner cable. Cable must not be loose in clip allowing sheath to move when accelerator pedal is applied and released.
- Cable must not be subjected to kinking or routing across any sharp edges.
- Cable routing must be perpendicular to the surface of the front-of-dash at the dash fitting. No objects or routings should force cable to have a bend at the dash fitting. Flexible components (hoses, wires, conduits, etc.) must not be routed within 2.0 in. (50 mm) of moving parts or accelerator linkage unless routing is positively controlled.
- Caution must be taken so that the accelerator pedal remains properly located. Guidelines for accelerator pedal locations are as follows:
 - 1) Ensure that the accelerator can freely operate from idle to wide-open throttle position and return. Make sure that the pedal will not hang up on any nearby items such as carpets, floor, screws, wiring harnesses, etc. Engine cover should have at least one inch (25 mm) clearance to side of accelerator pedal with the carpet mat installed.
 - 2) Accelerator to brake pedal relationship has been designed to provide minimum driver movement and should not be altered in any way.

Gasoline engine induction and/or ignition system is certified in compliance with the Federal Vehicle Emission Standards. Any alterations to the systems or components could void compliance and render the vehicle illegal. System includes:

- Fuel system throttle body injector (TBI) or central port injector (CPI) and associated tubes, hoses and pipes, air cleaner, outside air hose and spacer heat stove and heat stove pipe, fuel pump and inlet manifold, fuel vapor canister.
- Exhaust system.
- Ignition system distributor and initial spark timing setting, spark plugs, spark plug wires.
- Crankcase ventilation system.

Diesel engine induction and injector pump system is certified to be in compliance with the Federal Vehicle Emission Standards and/or Noise Standards. Any alterations to the system or components could void compliance and render the vehicle illegal. System includes:

- Fuel system Injection pump, injector lines and injectors, fuel return hoses and pipes, air cleaner, outside air hose, fuel pump, fuel filter, fuel heater assembly and intake manifold.
- Exhaust system.

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(Section 6 — continued from previous page)

- Crankcase pressure regulation system.
- Charge air cooler system.
- External engine components, such as air cleaner, crankcase pressure regulator valve, alternator, injection pipes, fuel return hoses from injectors, exhaust manifolds, oil fill pipe, etc., must be provided with sufficient clearance for engine roll and torque.
- When a vehicle is equipped with a electronic fuel injection (EFI) engine, it has an engine control module ECM/PCM/TCM or VCM. This ECM/PCM/TCM or VCM must be maintained at a temperature below 185°F at all times. This is most essential if the vehicle is put through a paint baking process. The ECM/PCM/TCM or VCM will become inoperative if its temperature exceeds 185°F. Therefore, it is recommended that temporary insulation be placed around the ECM/PCM/TCM or VCM during the time the vehicle is in a paint oven or undergoing another high temperature process.

Section 7 — Transmission

Light duty models equipped with manual transmission have a clutch-operated start safety switch. Starter should operate whenever the ignition is turned to start and the clutch is fully depressed. Readjust if necessary as outlined in the Truck Service Manual.

Models equipped with automatic transmissions have a steering column mounted neutral/park start safety mechanical lockout feature, which interfaces with the steering column ignition switch. Starter should operate only when gearshift lever is in neutral or park position. Readjust the shift linkage if necessary as outlined in the Truck Service Manual.

Power Take-Off (PTO) systems refer to **General - Section 0.**

- The NV4500 manual 5-speed heavy-duty overdrive transmission (RPO MW3) requires the use of special synthetic lubricant to reduce transmission internal operating temperatures. The lubricant is installed in all NV4500 transmissions at the factory.
- In instances where it is necessary to drain and refill or add fluid to the transmission, such as when installing PTO, DO NOT substitute any other lubricant. Installation of other lubricants may result in internal transmission damage.
- Castrol Syntroq GL4 is the only synthetic lubricant currently approved for use in the NV4500. This product can be secured through your local GM dealer under GM part number 12346190 per quart.
- Transmission lubricant capacity is 8.5 pints.

Models equipped with manual transmission use a hydraulic clutch actuator. Check fluid level as outlined in the vehicle owner's manual.

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It is mandatory that no change be made to the clutch master cylinder location, clutch master or slave cylinder push rod length, or pedal position.

POWERTRAIN SPECIFICATIONS AND LINE-UP CHARTS

SPECIFICATIONS — AUTOMATIC TRANSMISSIONS

	4-SPEED	5-SPEED
RPO	MT1	M74
MAKE	4L80E	ALLISON
CASE MATERIAL	ALUMINUM	ALUMINUM
TORQUE RATING (LBFT.)	440	450
RATIO (:1) 1st Gear	2.48	3.10
2nd Gear	1.48	1.81
3rd Gear	1.00	1.41
4th Gear	0.75	1.00
5th Gear	N/A	0.71
Reverse	2.08	4.49
OUTPUT SHAFT SPLINE # OF TEETH	32	34
PITCH DIAMETER	33.87 mm	43.18 mm
TORQUE CONVERTER CLUTCH	YES	YES
SIZE	310 mm	310 mm
"K" FACTOR	6.0L = 117	8.1L = 114 6.6L = 107
STALL TORQUE RATIO	6.0L = 2.3	8.1L = 2.05 6.6L = 2.0
PTO OPENING	NONE	YES

Two automatic transmissions are used in 25HD/35/36 C/K series trucks:

MT1/4L80-E: Used on all 9,200 LB GVWR

M74/ALLISON: Used on all 11,400 LB and 12,000 LB GVWR

AUTOMATIC TRANSMISSION/ENGINE AVAILABILITY MATRIX

ENGINE / TRANSMISSION	MT1	M74
6.0L GEN III	BASE	N/A
8.1L	N/A	BASE
6.6L DIESEL	N/A	BASE

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SPECIFICATIONS — MANUAL TRANSMISSIONS

	5-SPEED	6-SPEED
RPO	MW3	ML6
CASE MATERIAL	CAST IRON	ALUMINUM
TORQUE RATING (LBFT.)	410	520
RATIO (:1) 1st Gear	5.61	5.79
2nd Gear	3.04	3.30
3rd Gear	1.67	2.10
4th Gear	1.00	1.30
5th Gear	0.75	1.00
6th Gear	N/A	0.72
Reverse (Synchronized)	5.04	5.23
SHAFTS CENTER DISTANCE	109 mm	105 mm
CLUTCH PLATE DIAMETER	12" (302 mm)	12" (303 mm)
PTO OPENING	YES – Left or Right	YES – Left or Right

Two manual transmissions are available in 25HD/35/36 C/K series trucks:

MW3: Available for 9,200 LB GVWR. See specific powertrain charts for details.

ML6: Available for 11,400 LB and 12,000 LB GVWR. See specific powertrain charts for details.

Section 8 — Fuel and Exhaust

Fuel Systems

The fuel evaporative emission control equipment is certified to be in compliance with the Federal and California Vehicle Emission Standards. The fuel tank is molded from multilayer plastic and should not be repaired or altered. Metal fuel lines have a surface coating to reduce corrosion on inside and outside surfaces to comply with useful life requirements. All fuel hoses, including plastic lines, are made of a low permeation multi-layer material to comply with enhanced evaporative emission requirements. Any alterations to systems or components including materials, hose lengths and their location, except as described in the fuel fill system modifications section, could void compliance. The system includes:

• Fuel tank, fuel level sender, fuel fill and vent hoses and pipes, emission canisters, fuel feed, fuel return and vapor lines, purge control solenoids, fuel fill cap, canister vent solenoid.

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For these reasons, NO ALTERATION OF THE FUEL SYSTEM IS RECOMMENDED.

Fuel Fill

It is recommended that when mounting the fuel filler pipe assembly and vent hose that a minimum of 3.0 in. clearance be provided to any body component to prevent contact between hoses and/or mating parts and that retention be provided to ensure routing and prevent failure due to wear and fatigue. Both the fill and vent hoses must be routed (and supported, if needed) such that there are no sags or kinks. As viewed from the filler neck, pipes and hoses must have a downward slope toward the tank. There should be a minimum of 4° of downward slope in the fill and vent pipe at any location. No fuel traps are allowed. Alterations of fuel line routings could affect the ability of the completed vehicle and are, therefore, not desirable. The complete fuel system must comply with FMVSS 301. If additional new hose is required when installing fuel tank filler neck, this hose must be suitable for use with unleaded fuels or diesel fuel respectively and must allow the vehicle to meet enhanced evaporative emissions requirements.

Fuel Lines

Fuel line routing precautions:

- 5 in. minimum clearance to exhaust system is required or a metal shield must be provided.
- Fuel lines should be clipped to chassis to prevent chafing. Metal clips must have rubber or plastic liners.
- Use corrosion resistant steel tubing with short sections of approved hose to connect components. Hose-to-tube connections should be clamped for diesel systems. Steel tube ends should be beaded for hose retention. Fuel supply is pressurized by an in-tank pump for MPFI and SCPI systems. Coupled hose or nylon quick-connects must be used. Clamped hose is not acceptable for MPFI and SCPI systems.

All engines require a fuel return system which returns excess fuel from the injection pump and injector nozzles back to fuel tanks. Care should be taken that these lines are not blocked nor their hoses pinched. The engine may run poorly or stall if these lines are restricted or blocked.

All gasoline engine vehicles are equipped with fuel evaporative emission control equipment which is certified to be in compliance with the Federal or applicable California Vehicle Emission Standards. Alterations to fuel tank and metering unit, lines, canister or canisters, canister filters, canister purge control valves, relay switches, tank auxiliary vent valve, engine speed controller, or other devices/systems are therefore not allowable since vehicle adherence to C.A.R.B. and Federal regulations may be affected.

Diesel powered vehicles incorporate water drain provisions in the fuel system. These valves are only to be opened when siphoning water and contaminants from the fuel system.

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Body attachment brackets and u-bolts must be located such that there is adequate clearance to all fuel system components, such as the fuel lines and the fuel level sending unit, under all operating conditions.

Fuel Tank

For vehicles with full frames, the tank must have a minimum clearance of 2 in. top, front, rear and sides to body and other supports.

Tank may be pressurized to 1.25 PSI maximum to check for final line leakage or for forcing fuel through the system. Pressures greater than this amount may be detrimental and affect tank durability.

The use of auxiliary fuel tanks is not recommended. If an auxiliary fuel tank is added, the alterer must take responsibility for compliance with affected motor vehicle safety standards. Also, if an auxiliary fuel tank is added to a gasoline-powered vehicle, the fuel must be drawn through a pipe at the top of the tank (balance line between tanks is not permitted).

Gasoline fueled vehicles are equipped with a fuel pump return line. If an auxiliary tank is added, the tank selector valve must include a return port which returns fuel to the tank from which the fuel is being drawn.

In gasoline engines the fuel pump is located in the fuel tank. The battery must be disconnected before starting any work on the fuel system.

Gaseous Fuel Conversions

All truck gasoline engines may be converted to use liquified petroleum gas (LPG) or natural gas (NG); GM only approves the conversion of vehicles with option KL5. However, some conversions may cause harmful effects to the engine. Such fuel systems may require assurances from alternate fuel system manufacturers and/or installers that the equipment will not cause damage to the engine or the exhaust system.

In the use of dual fuel systems, the vehicle operator should strictly adhere to the manufacturer's procedures for switching from gasoline to gaseous fuel operation. Improper switching procedures may result in overheating and damage to the exhaust system and the vehicle. The gaseous fuel tank should not be mounted in an enclosed area of the vehicle, such as the passenger compartment, truck, etc., and the system should be vented to the outside of the vehicle. In addition, vehicles converted to gaseous fuels should not be stored in enclosed places such as garages. Further, General Motors cautions purchasers that the design, location and installation of any type of fuel storage system involves significant technical and engineering considerations and that these statements on gaseous fuel conversions should not be interpreted to be an approval by General Motors of any modification to the original equipment fuel system. Conversions to gaseous fuel should be made in conformance with applicable Federal and State regulations. Removal of emission-control components or the addition of gaseous fuel systems, which could damage or reduce the longevity of those components could also cause the mechanical and emission performance warranty to be voided.

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2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

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Exhaust System

Particular care should be taken to prevent the possibility of exhaust fumes and carbon monoxide exposure to vehicle occupants in units completed by body builders. Holes and openings through the floor and all other parts of the body must be permanently and adequately sealed by the body builder to avoid exhaust intrusion into any occupant area. If it is necessary to change the exhaust outlet location, the exhaust discharge must be unobstructed and directed away from occupant areas. Alteration of the exhaust outlet or its position may increase exhaust noise and render the vehicle illegal in those areas with pass-by noise regulations. All vehicles >10,000 lbs. GVWR come under Federal noise regulations, vehicles ≤10,000 lbs. GVWR are regulated by various state and local regulations of the Environmental Protection Agency; see those regulations for rules, test procedure and noise levels permitted.

Tail pipe outlet location must be tested statically and with the vehicle in motion to ensure that exhaust gases do not penetrate side or rear windows or under body seams and holes. Auxiliary power plants should also be tested under the same conditions. Tail pipe exit ahead of rear wheels is not recommended.

Check for leaks in exhaust systems and repair as required.

Exhaust temperatures can exceed 1600°F under extreme operating conditions, with pipe surface temperatures slightly less than this. Extreme care must be used when placing body components in the proximity of the exhaust system so as not to exceed the rated temperature limits of the components. Due to variants in underbody configurations of the vehicles, we are not in a position to make recommendations on how to insulate or design components in the proximity of the exhaust system.

Each manufacturer must make temperature checks of critical areas of his vehicle and adjust his design accordingly, or provide shielding to ensure safe operation of his body components.

The same can be said for the engine compartment. Obviously there will be additional heat radiated from the engine. How much is retained in the area will depend on how well this area is ventilated in your individual designs. Here again, temperature checks of interior areas surrounding the engine should be made to determine if your insulation is adequate. This is the same engineering practice we have followed on our complete vehicles incorporating these exhaust systems.

Exhaust system materials are selected and tested to withstand the operating environment of the vehicle. **Do not modify the exhaust system in any way.** The tail pipes are made of 409 stainless steel.

Heat shields are mounted to the underbody and/or exhaust system components (catalytic converter and muffler). Shields for the propshaft hanger bearings are also provided in some vehicles.

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<u>Section 9 — Steering</u>

Check power steering fluid level and system operations. (Refer to Owner's Manual).

Steering wheel and horn pad must not be altered or replaced.

The steering column mast jacket must not be altered.

Section 10 — Tires

Check wheel lug nuts for proper torque; specifications are provided in the Owner's Manual.

Substitution of tires of greater capacity than those offered as original equipment by vehicle manufacturer is not approved for use on original equipment wheels. Any usage of higher capacity tires must be accompanied by higher capacity wheels. However, the wheel offset (the distance from centerline of rim to wheel mounting face) must be the same as the replaced original equipment wheel to ensure proper wheel bearing loading and clearance of tires to body and chassis components. Increasing tire and wheel capacity does not necessarily increase vehicle GVW ratings.

Any substitution of tires may affect Speedometer/Odometer accuracy.

It is recommended that tire chain clearance guideline J683, from the Society of Automotive Engineers, be adhered to in designing rear wheelhouse clearance.

Check tires and inflate to recommended tire pressure according to the tire pressure information provided in Owner's Manual and tire inflation label provided with vehicle.

Section 12 — Electrical Battery and Battery Cables

The vehicle battery should be located and positioned to make use of the existing battery cables. If the battery requires relocation and longer cables are required, a proportionately larger gauge wire must be used. If, in relocating the battery the negative ground cable is attached to the frame rail, a cable of similar gauge must be provided between the frame rail and the engine. This is required due to the heavy electrical loads imposed by the starting circuit. To ensure proper operation of the battery cables the following chart on length, gauge and materials must be strictly adhered to:

(Section 8 — continued from previous page)

Combined length of positive and negative									
Cable Gauge Cable in Inches (Copper)									
4	66								
2	107								
0	170								

The All New C/K is equipped with a Remote Positive (+) Jump Starting terminal which is located behind a red plastic cover near the engine accessory drive bracket. This terminal is intended for jump starting only and should NOT be used by upfitters to obtain battery power. Three fused studs, however, are available on the Underhood Electrical Center and, if available, may be used by upfitters to obtain battery power. If the battery is remotely mounted (other than in the engine compartment), the 'sense' circuit in the generator regulator shall be used. The sense circuit consists of a 7.76 OHM 1/4 watt resistor connected in series between the 'S' terminal of the generator and the B+ terminal of the battery.

Auxiliary Battery (Gasoline Engines Only)

If an auxiliary battery is to be retro-fitted, the electrical schematic for option TP2 is recommended as a guide. This will result in the auxiliary battery being connected to the vehicle load and charging circuit when the ignition switch is 'on' (fuse block terminal "Acc. Ign. Fused"). When the ignition switch is turned off, the interlocking relay is disengaged and the auxiliary battery is disconnected from the vehicle circuit.

Modifications/add-on wiring must be carefully reviewed to ensure compatibility with the base vehicle wiring by reviewing system schematics, wire routing paths, harness connections, etc. Due to the wide range of modifications that may be required for vocational needs, it is not feasible for the O.E.M. to take into account all potential revisions. For this reason, any person modifying existing vehicle wiring must assume responsibility that the revisions have not degraded the electrical system performance. Any add-on wiring must be properly fused and routed to prevent cut, pinch, and chafe problems, as well as avoid exposure to excessive heat. Care must be exercised that existing vehicle interfaces do not have their current load capabilities exceeded and the respective control devices are not overloaded. Added wire size should be at least as large as the wire to which it is attaching in order for fuse protection to be maintained.

A Packard Electric wiring repair kit is available through Kent-Moore (GM P/N 12085264, Kent-Moore P/N J38125-4). This kit contains instructions, tools and components for making repairs to wiring harness components. This kit would also greatly assist in accomplishing necessary add-on wiring, such as body marker lamps, so that system reliability/durability is maintained.

Electrical wiring components can be obtained through your authorized GM dealer. Many Packard Electric components are also available through Pioneer Standard Company (1-800-PACKARD). Pioneer may also be able to assist in making necessary wiring additions by providing custom wiring stubs or jumpers to your specifications.

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Section 13 — Cooling

To provide satisfactory engine cooling, the following conditions must be met:

- 1. Do not locate any large objects in front of the radiator core or grille, such as batteries, spare tires, lights/sirens, etc. They restrict air flow into the radiator core and influence fan blade stress.
- 2. Grille opening, size configuration and the external baffles provided should not be altered in any manner. Any reduction in cooling ability may adversely affect engine/transmission performance.
- 3. Fan clutches not conforming to the original equipment specifications may not operate correctly and may stay "on" continuously, never come on, or cycle on and off excessively. This will result in a reduction of fuel economy, engine overheat at times, and annoying cycling respectively.
- 4. Heavy duty cooling equipment is required when snow plows, winches, etc., are installed.
- 5. If a heater unit is not installed in the vehicle or a heater shut-off valve is required, a line connecting the heater connection on the engine to the heater connection on the radiator must be installed. When a shut-off valve is required in the heating system, it must be teed into the system in such a manner as to maintain continuous flow between engine heater connection radiator heater connection at all times.

Do not install any internal flow restrictors.

• Heater hose: 3-way or 4-way valves must be used to provide constant water flow through the intake manifold pad area used to mount the TBI unit (L35 only).

NOTE: TBI unit does not have internal coolant passages.

Model Symbol Chart

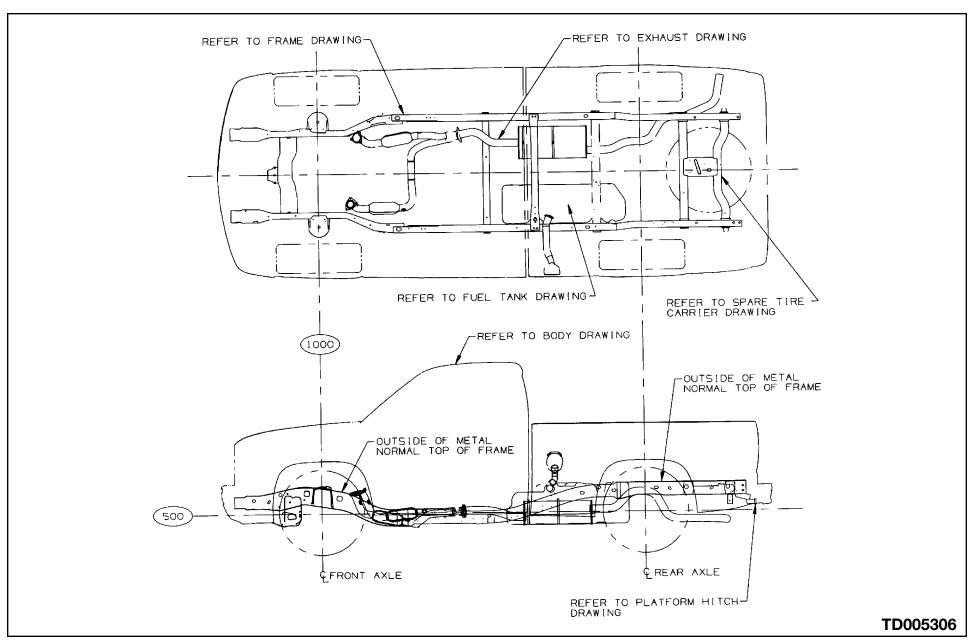
Series	2-Door Pickup Fleetside/ Wideside	2-Door Pickup Sportside	2-Door Chassis- Cab	4-Door Ext'd Cab Wideside/ Fleetside	4-Door Ext'd Cab Sportside	4-Door Extended Chassis- Cab	4-Door Crew Cab Fleetside/ Wideside	4-Door Crew Cab Chassis- Cab	4-Door Utility	Suburban	4-Door Ultimate Utility	GVWR (Lbs)	Nominal Ton Rating	Wheel Base (Inches)	Cab To Axle (Inches)
C/K 155							43 + E63 (5' 8.5" Box)					C 6800 K 7000	1/2	143.5	32.5
	03 + E63 (6.5' Box)	03 + E62 (6.5' Box)										C/K 6100	1/2	119.0	42
C/K 157				53 + E63 (6.5' Box)	53 + E62 (6.5' Box)							C 6200 K 6400	1/2	143.5	42
									06			C 6300/6600 K 6800/6900	1/2	116.0	
	03 + E63 (8' Box)											C 6400 K 6100	1/2	133.0	56
C/K 159				53 + E63 (8' Box)								C/K 6400	1/2	157.5	56
G/K 139										06		C 6800 K 7200	1/2	130.0	
											36	C/K 7000	1/2	130.0	
C/K 257							43 + E63 (6.5' Box)					C/K 8600	3/4	153	42
C/V 057UD				53 + E63 (6.5' Box)								C/K 9200	3/4	143.5	42
C/K 257HD							43 + E63 (6.5' Box)					C/K 9200	3/4	153.0	42
	03 + E63 (8' Box)		03 + ZW9									C/K 9200	3/4	133.0	56
C/K 259HD				53 + E63 (8' Box)								C/K 9200	3/4	157.5	56
							43 + E63 (8' Box)	43 + ZW9				C/K 9200	3/4	167.0	56

Model Symbol Chart (continued)

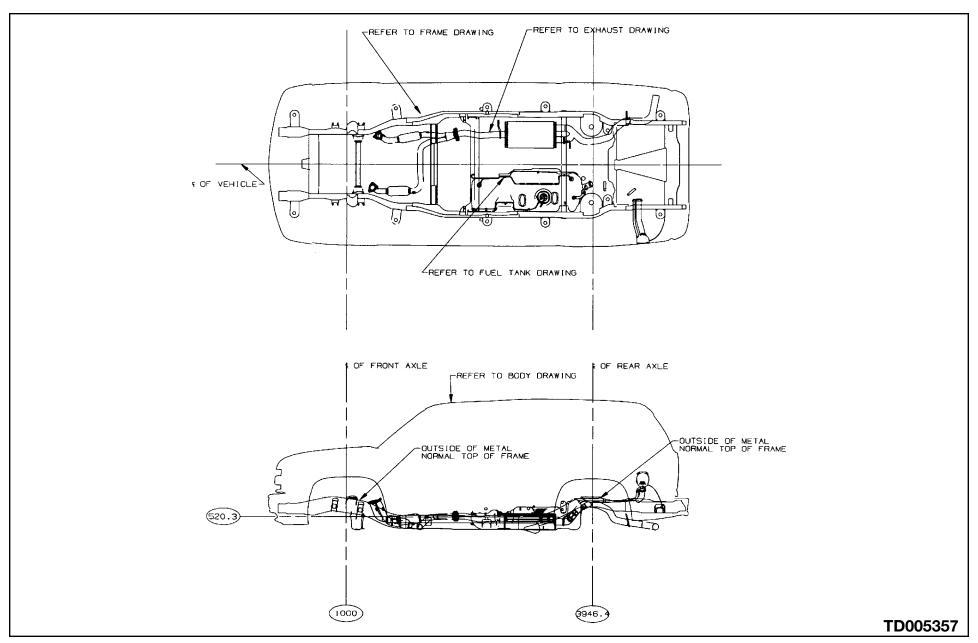
Series	2-Door Pickup Fleetside/ Wideside	2-Door Pickup Sportside	2-Door Chassis- Cab	4-Door Ext'd Cab Wideside/ Fleetside	4-Door Ext'd Cab Sportside	4-Door Extended Chassis- Cab	4-Door Crew Cab Fleetside/ Wideside	4-Door Crew Cab Chassis- Cab	4-Door Utility	Suburban	4-Door Ultimate Utility	GVWR (Lbs)	Nominal Ton Rating	Wheel Base (Inches)	Cab To Axle (Inches)
0/1/ 050										06		C/K 8600	3/4	130.0	
C/K 259											36	K 8600	3/4	130.0	
	03 + E63 (8' Box)		03 + ZW9									K 9900	1	133.0	56
1/050				53 + E63 (8' Box)								K 9900	1	157.5	56
K359							43 + E63 (8' Box)	43 + ZW9				K 9900	1	167.5	56
	03 + E63 (8' Box)		03 + ZW9									K 11400	1	133.0	56
0/1/ 050				53 + E63 (8' Box)								C/K 11400	1	157.5	56
C/K 359							43 + E63 (8' Box)	43 + ZW9				C/K 11400	1	167.5	56
0/1/ 000			03 + ZW9									C 11400 K 12000	1	137.0	60
C/K 360						53 + ZW9						C 11400 K 12000	1	161.5	60
C/K 364			03 + ZW9									C 11400 K 12000	1	161.5	84

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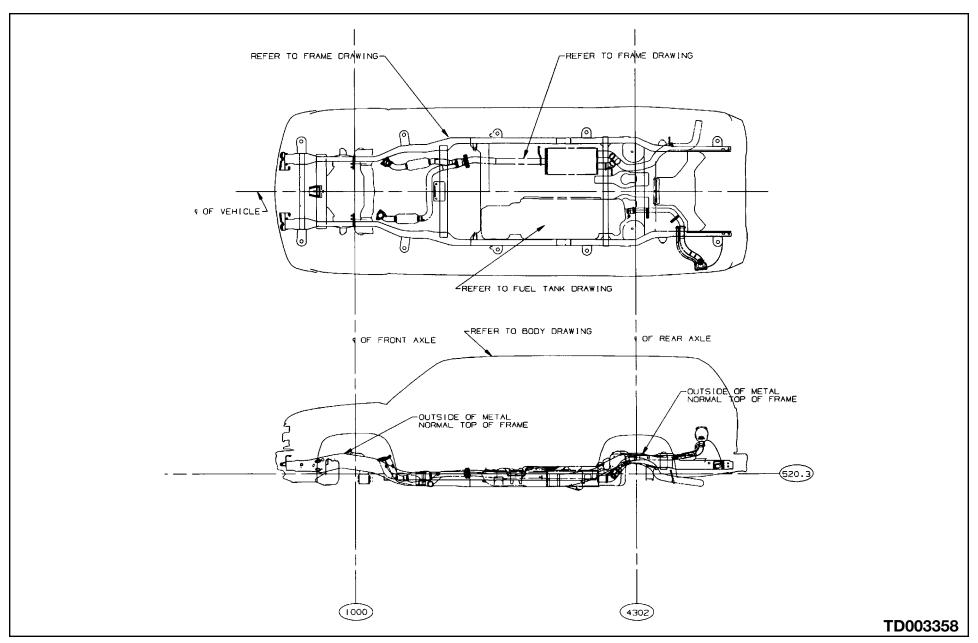
C/K (15/25)703 General Arrangement



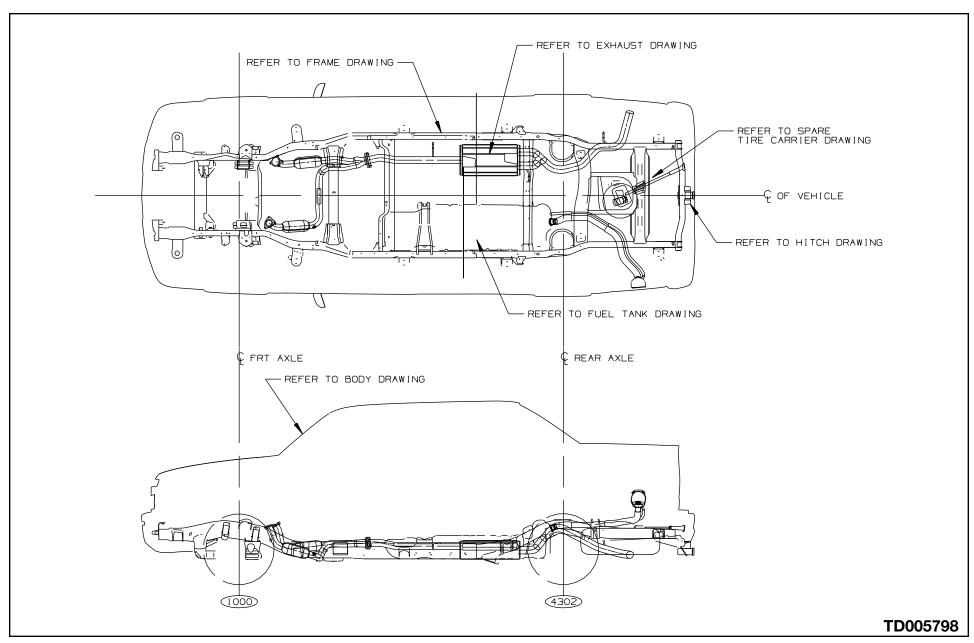
C/K 15706 General Arrangement



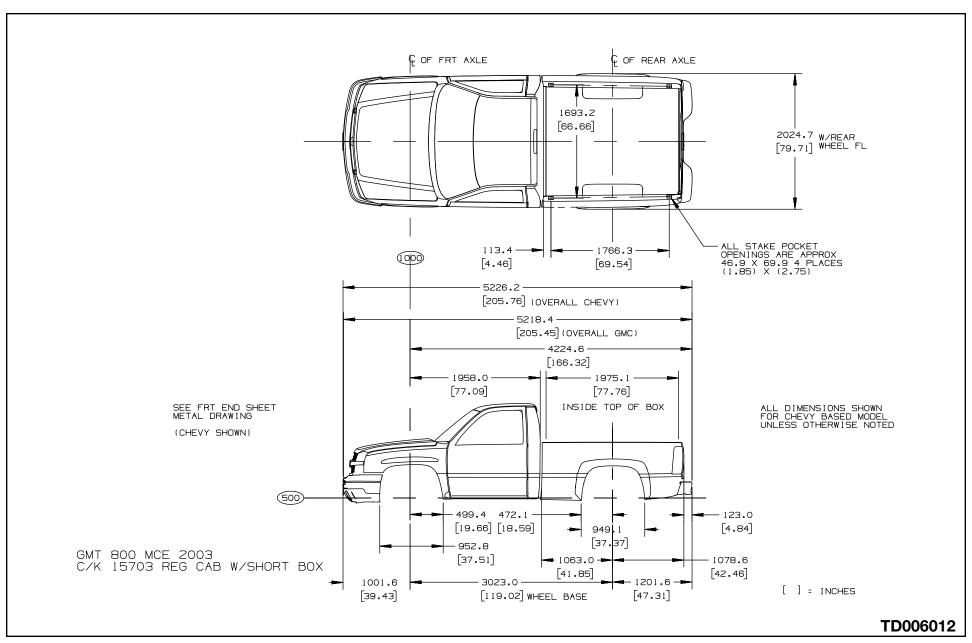
C/K (15/25)906 General Arrangement



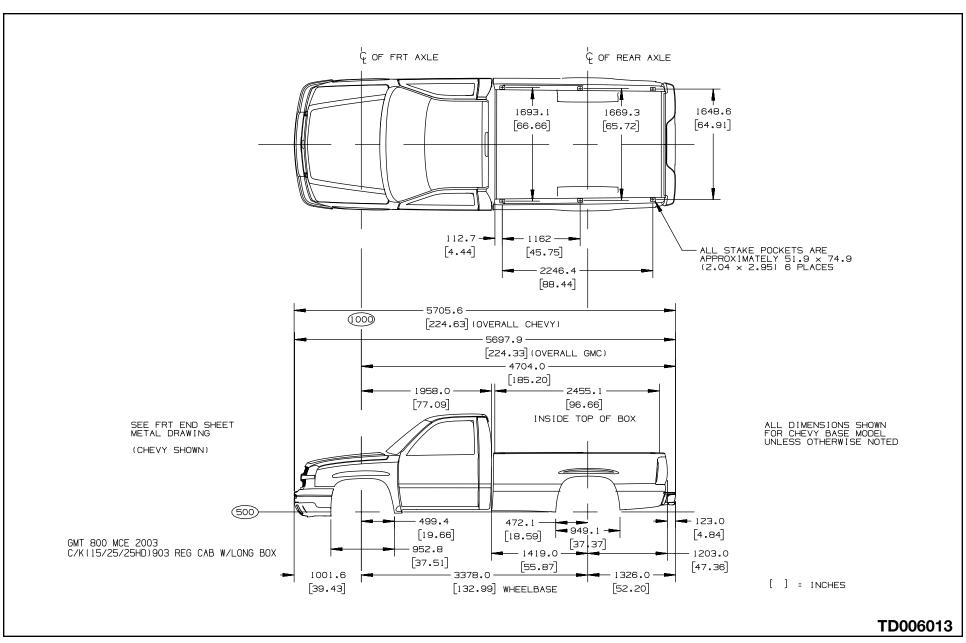
C/K (15/25)936 General Arrangement



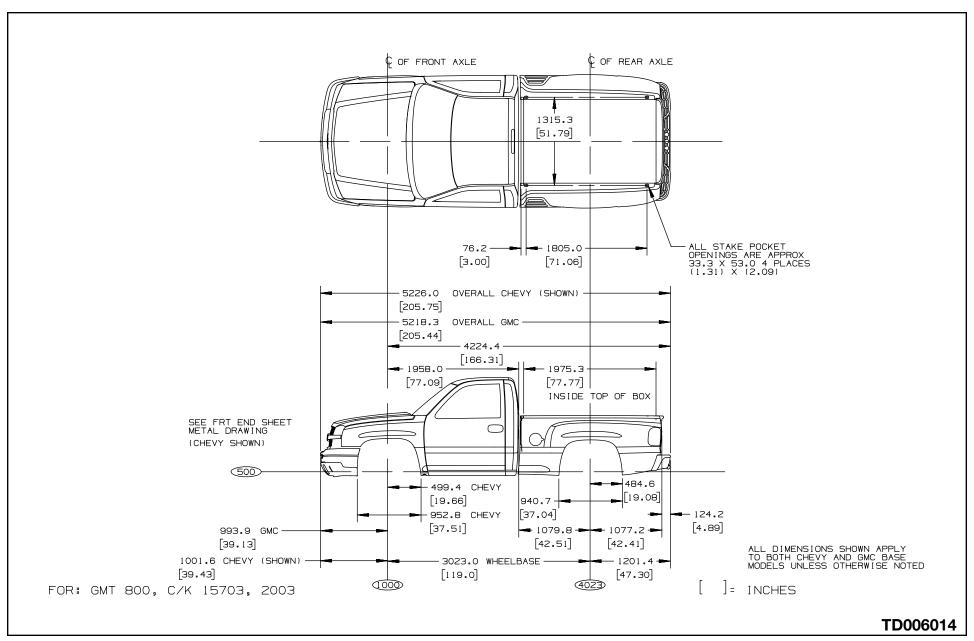
C/K 15703 Regular Cab with Short Box (Option E63)



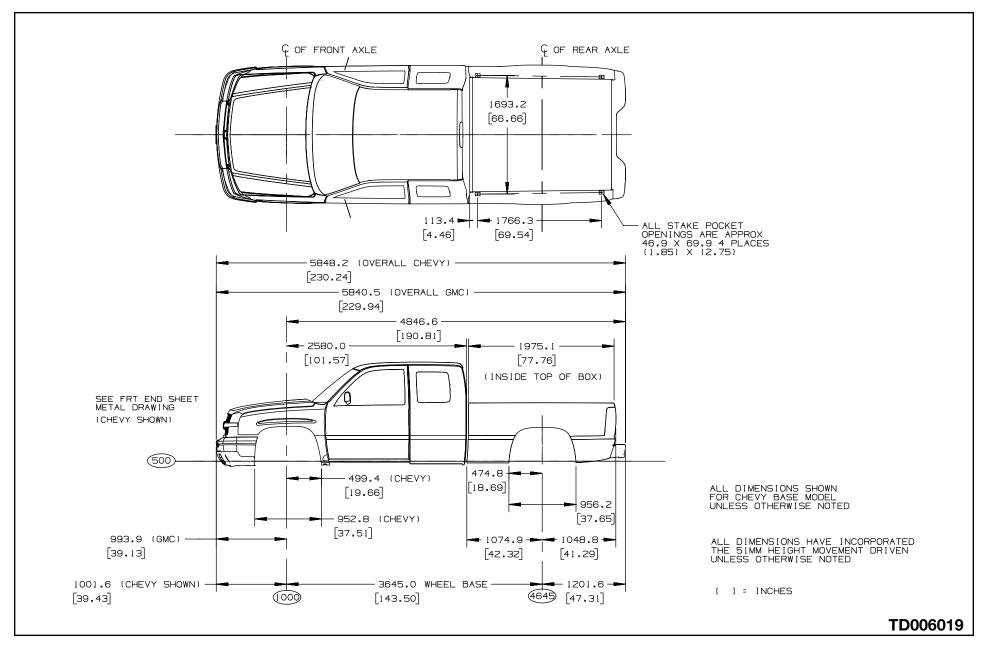
C/K (15/25HD/35)903 Regular Cab with Long Box (Option E63)



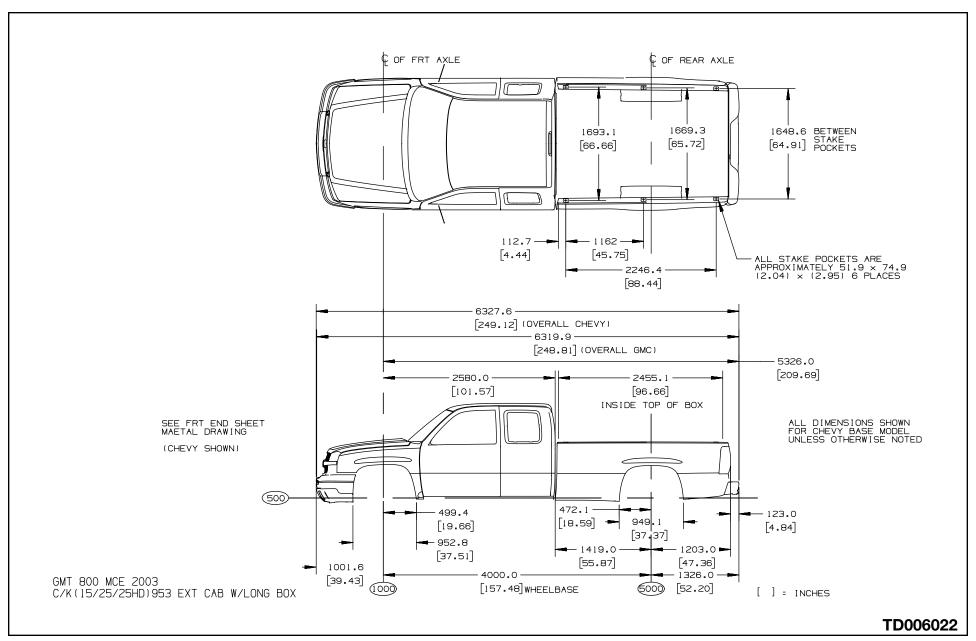
C/K 15703 Regular Cab, Sportside (Option E62)



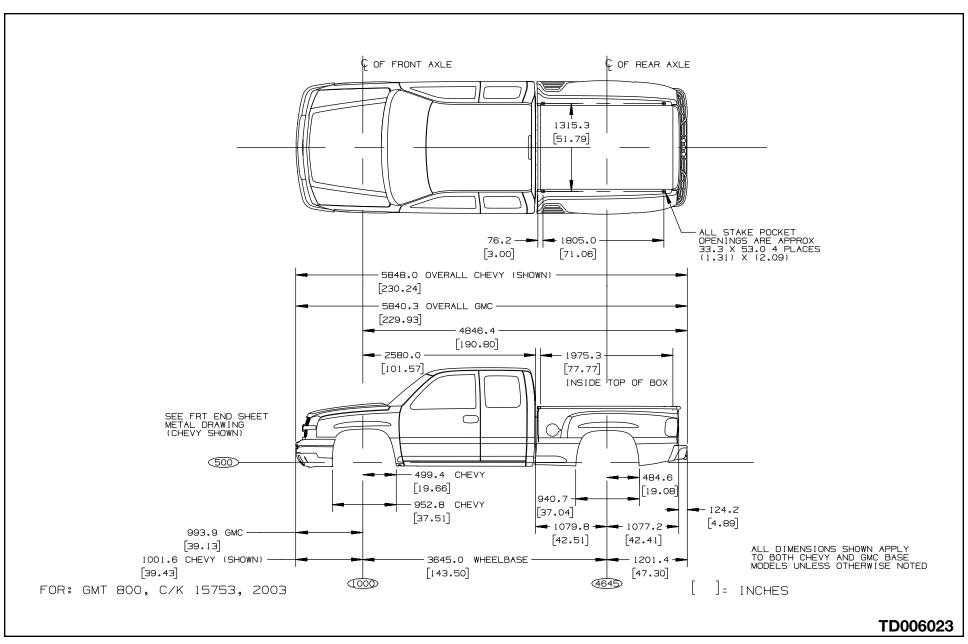
C/K (15/25HD)753 Extended Cab with Short Box (Option E63)



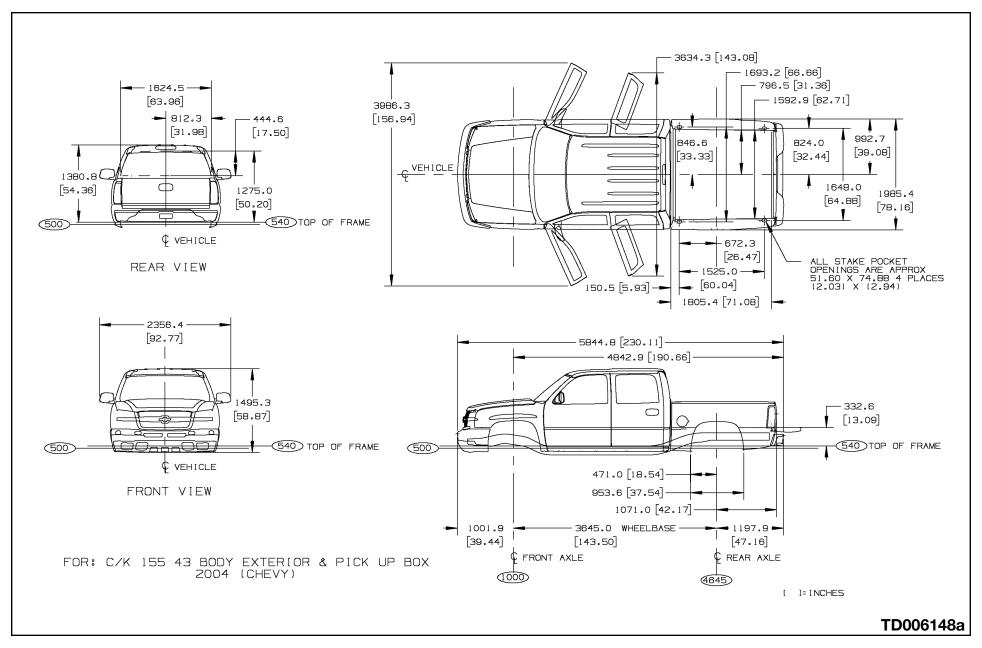
C/K (15/25/25HD/35)953 Extended Cab with Long Box (Option E63)



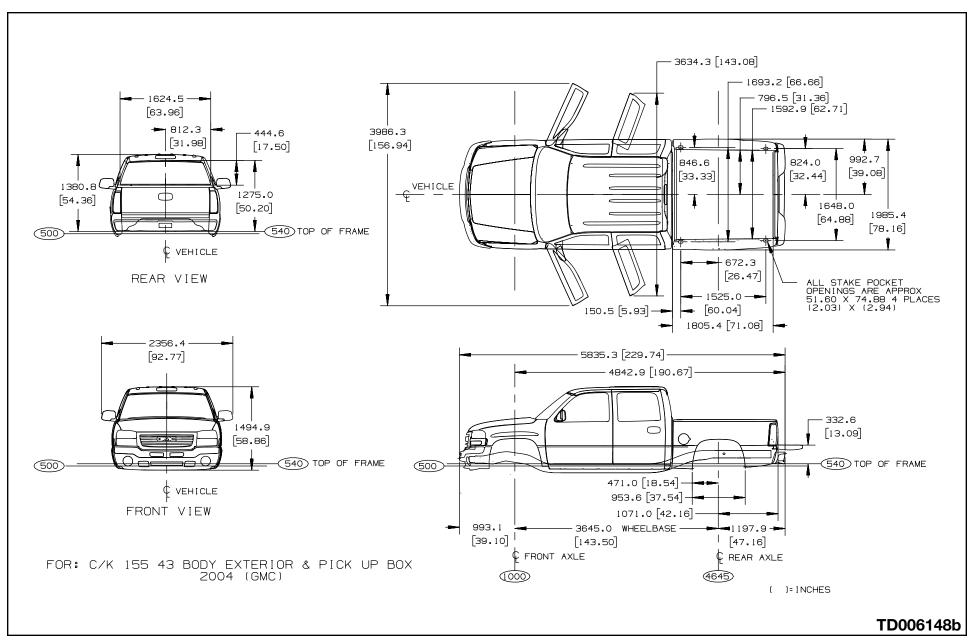
C/K 15753 Extended Cab, Sportside (Option E62)



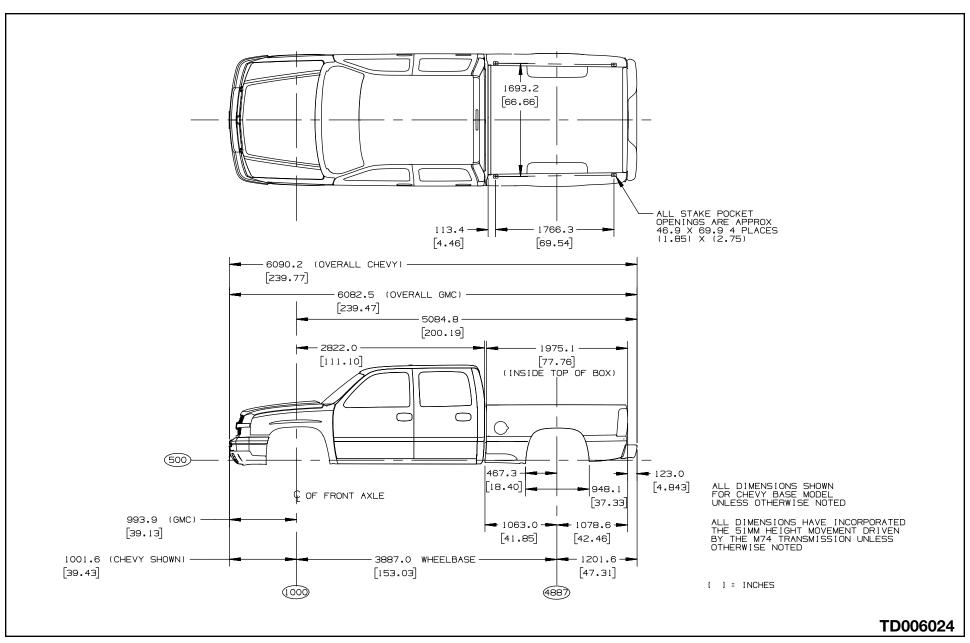
C/K 15543 Crew Cab with Short Short Box (Option E63) (Chevy)



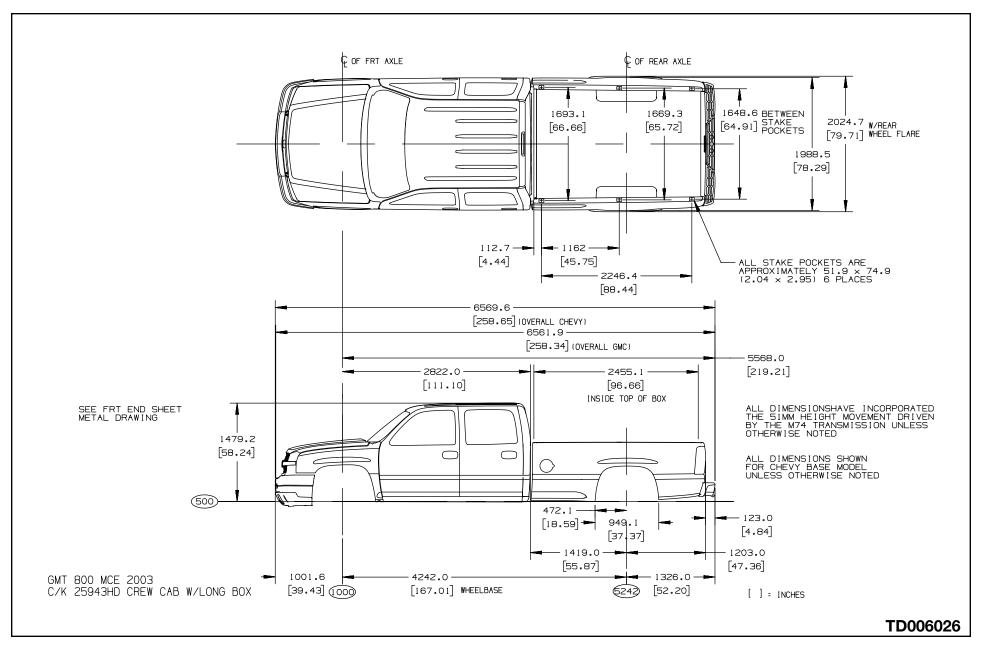
C/K 15543 Crew Cab with Short Short Box (Option E63) (GMC)



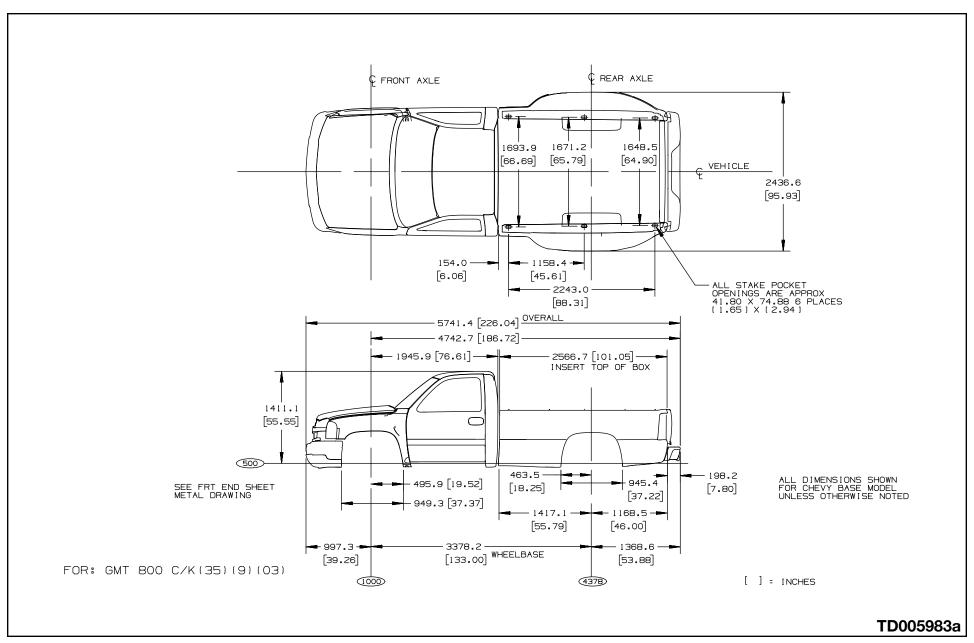
C/K (25/25HD)743 Crew Cab with Short Box (Option E63)



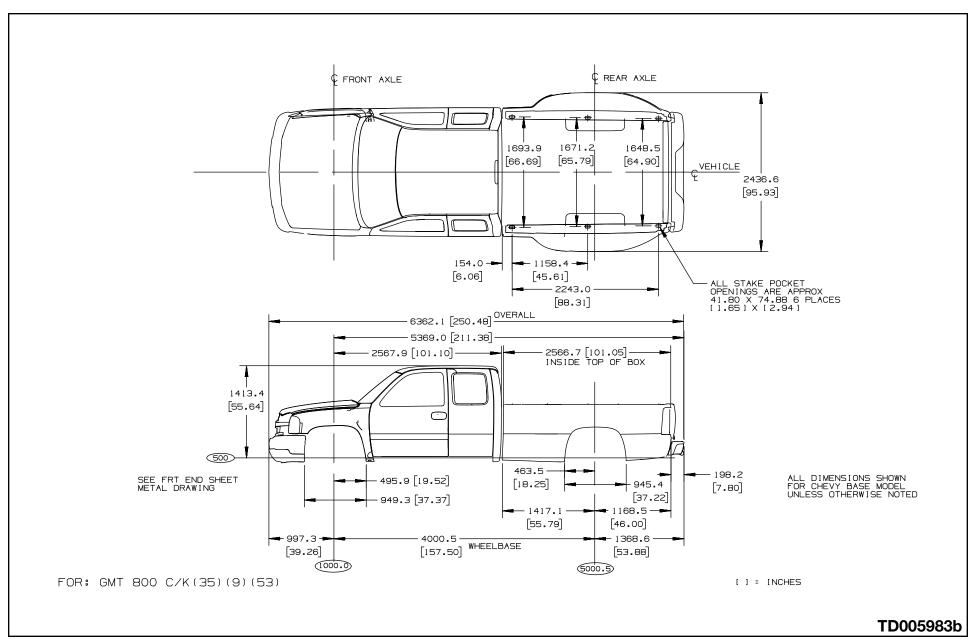
C/K (25HD/35)943 Crew Cab with Long Box (Option E63)



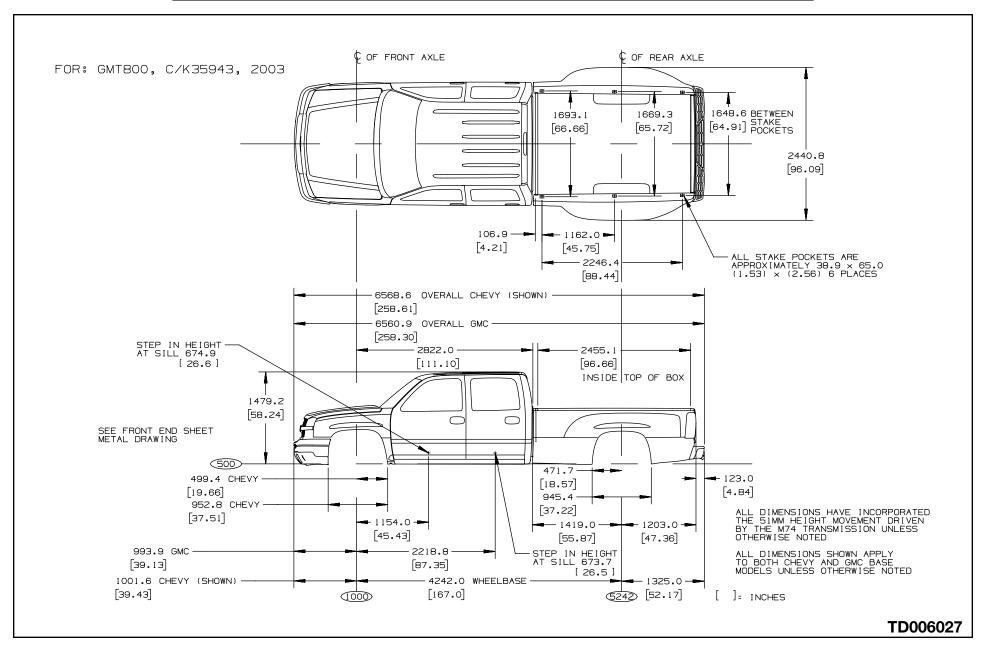
C/K 35903 Regular Cab with Long Box Dooley (Option E63)



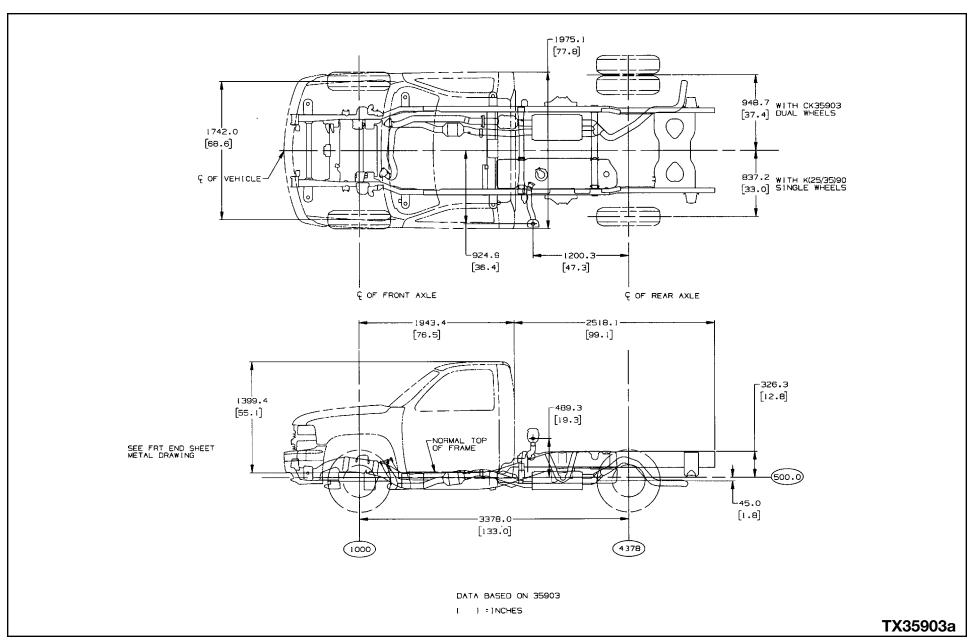
C/K 35953 Extended Cab with Long Box Dooley (Option E63)



C/K 35943 Crew Cab with Long Box Dooley (Option E63)



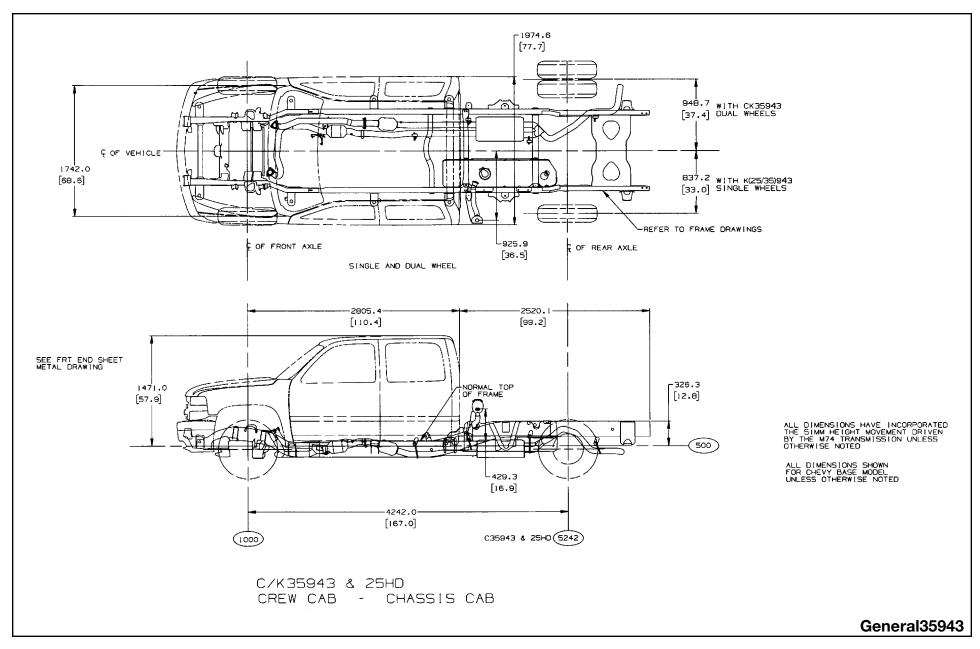
C/K 25HD/K35903 Regular Cab (Option ZW9)



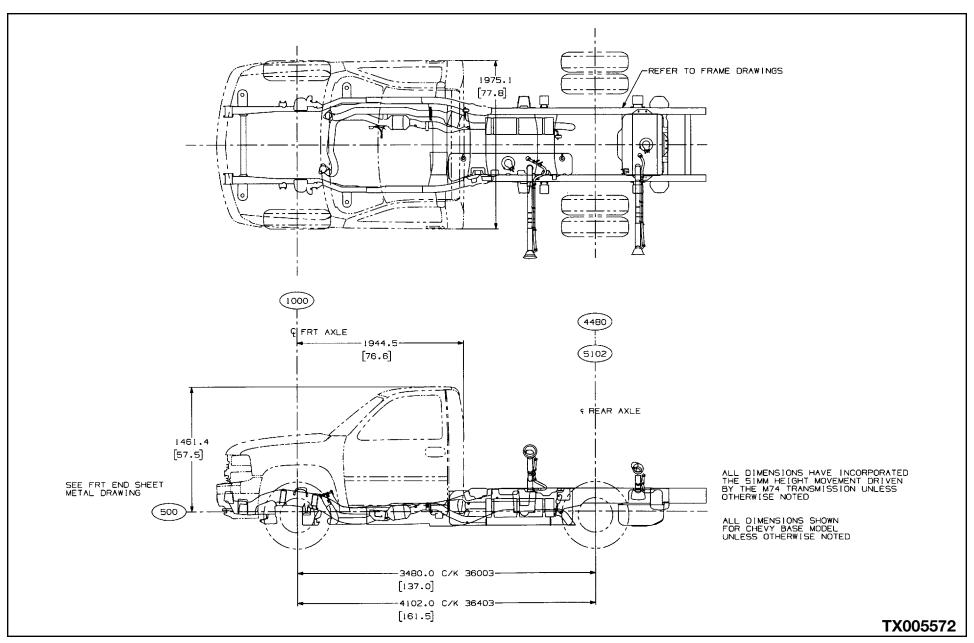
K 35953 w/ZW9

DRAWING NOT AVAILABLE AT TIME OF PUBLICATION

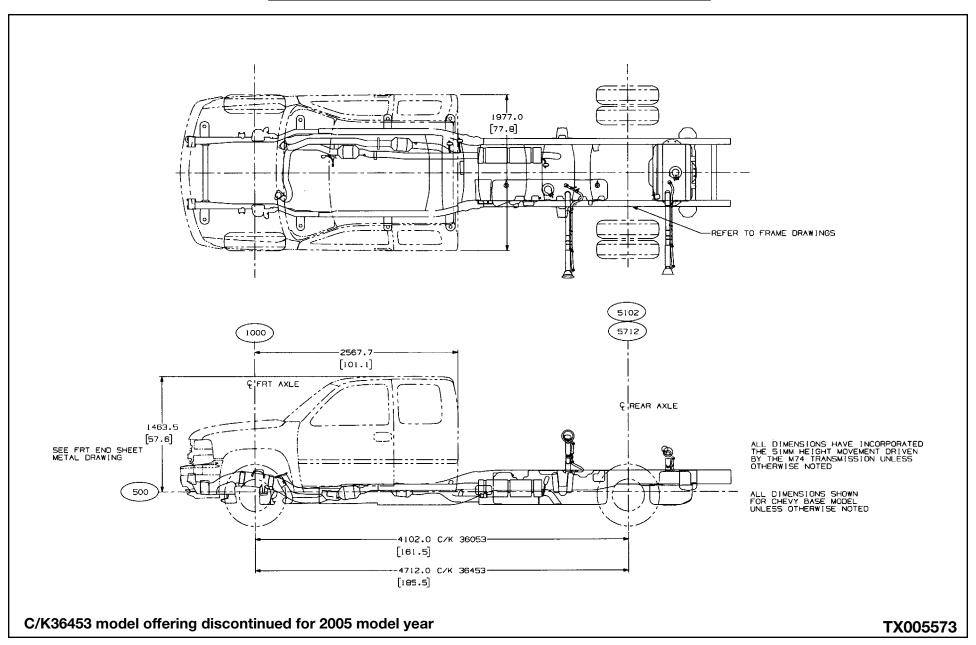
C/K 25HD/35943 Crew Cab (Option ZW9)



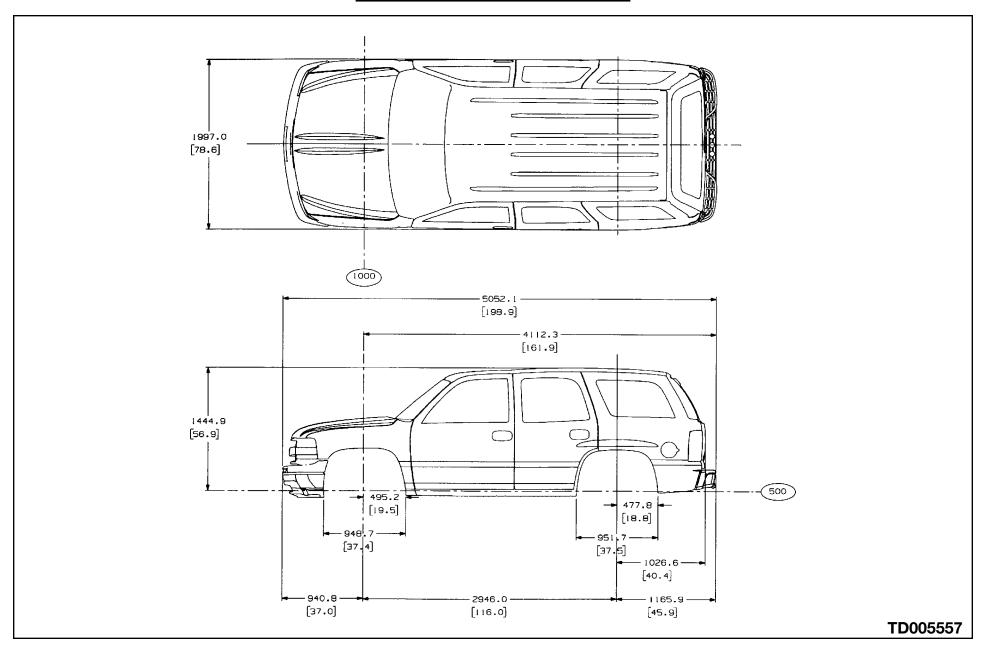
C/K 36(0/4)03 Regular Cab (Option ZW9)



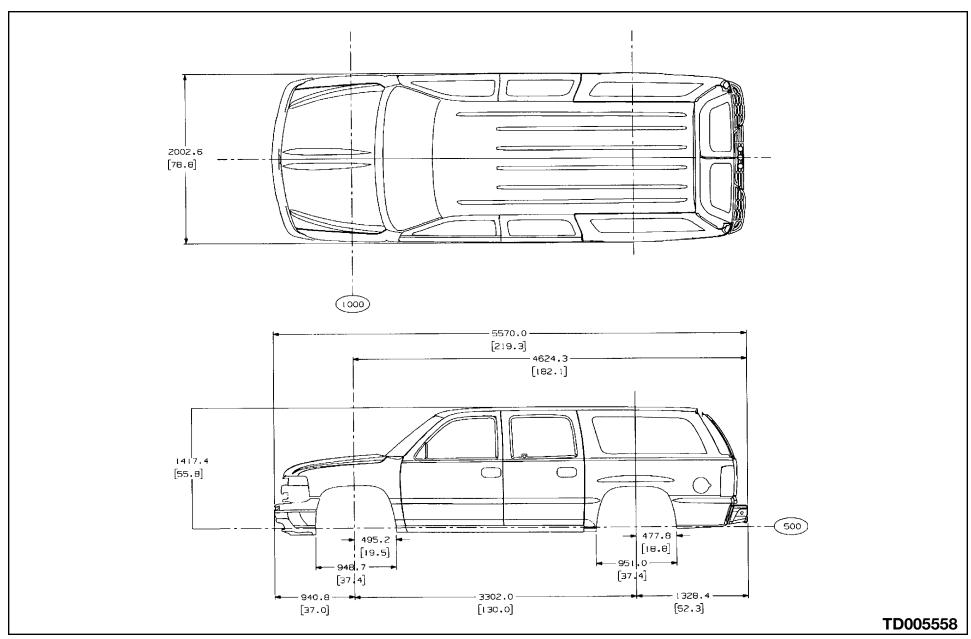
C/K 36053 Extended Cab (Option ZW9)



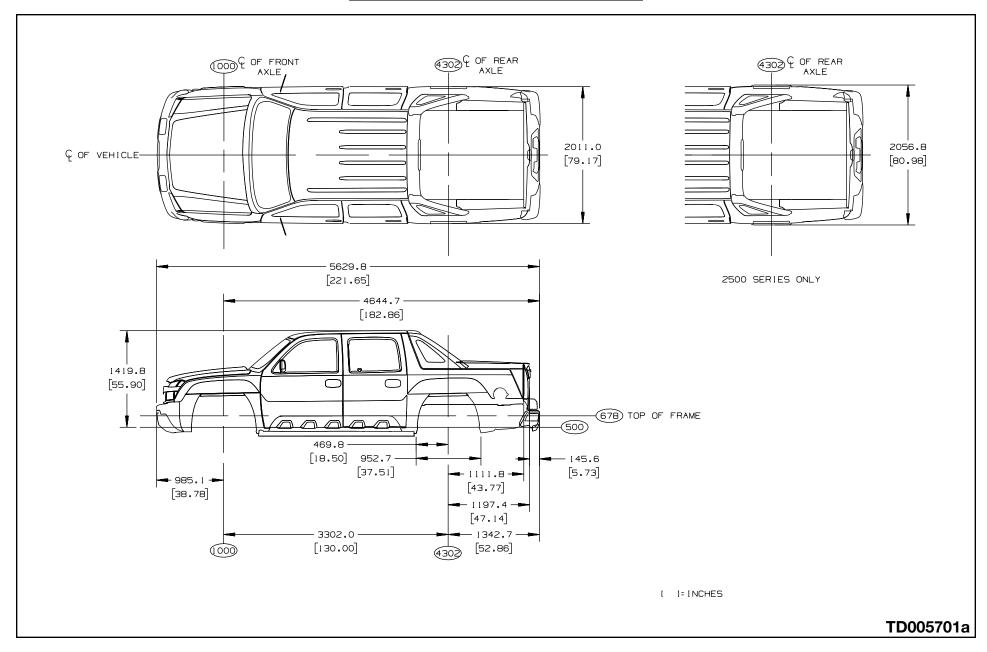
C/K 15706 Tahoe/Yukon



C/K (15/25)906 Suburban/Yukon XL



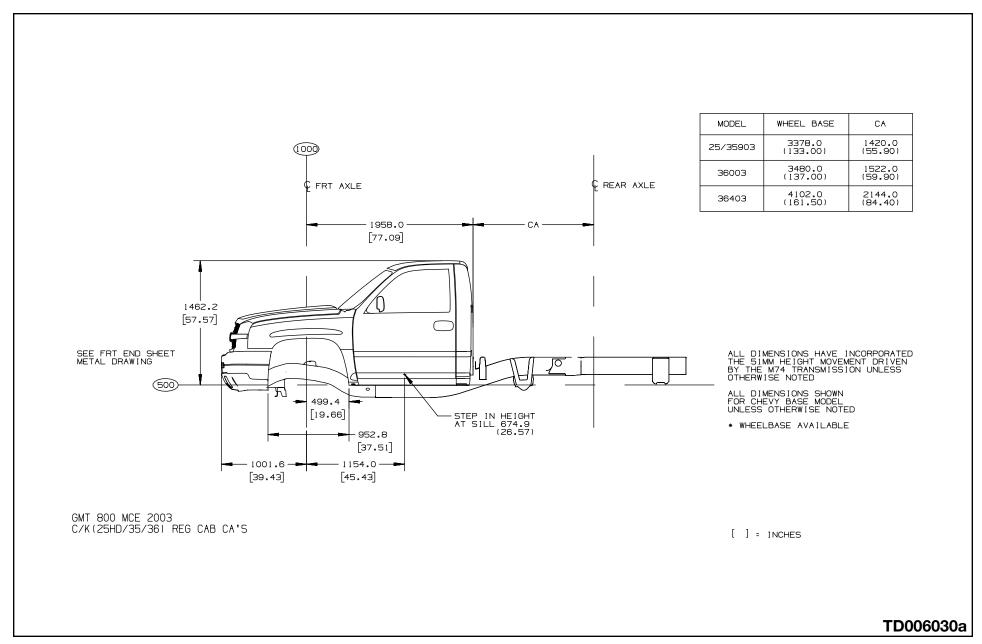
C/K (15/25)936 Avalanche



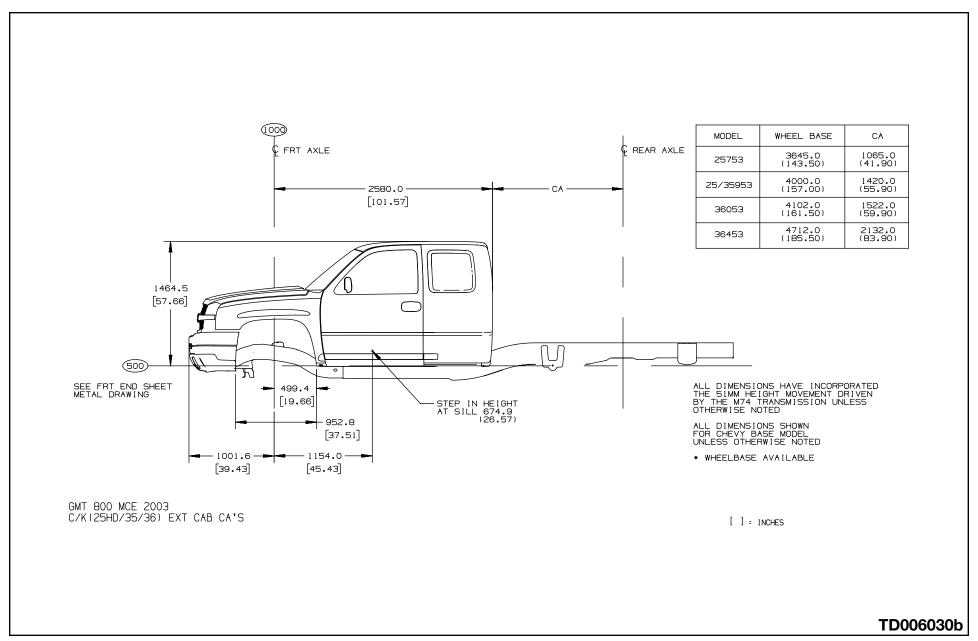
2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)



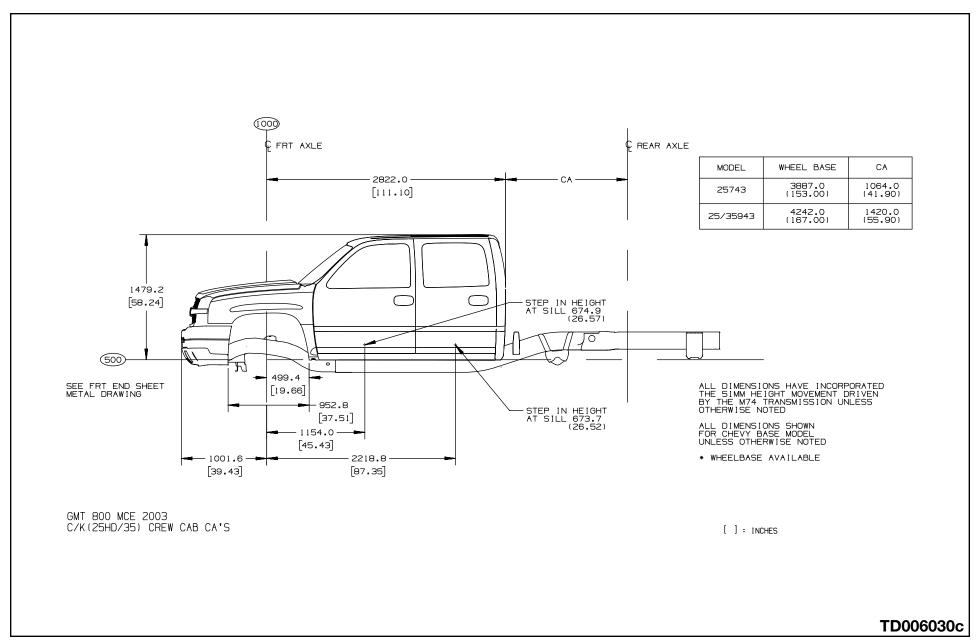
C/K (25HD/35/36) Regular Cab CA's



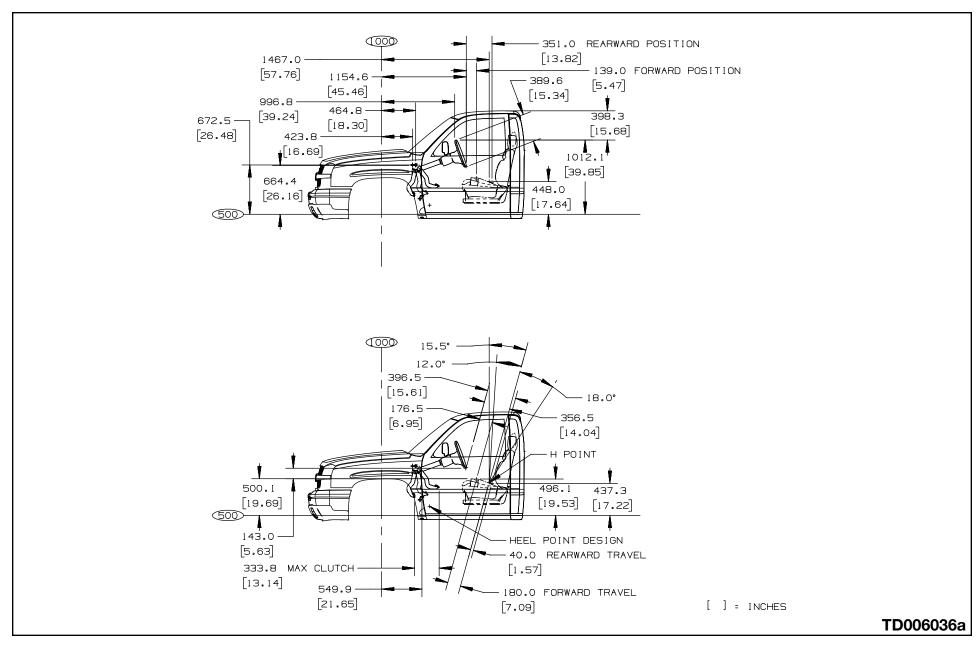
C/K (25HD/35/36) Extended Cab CA's



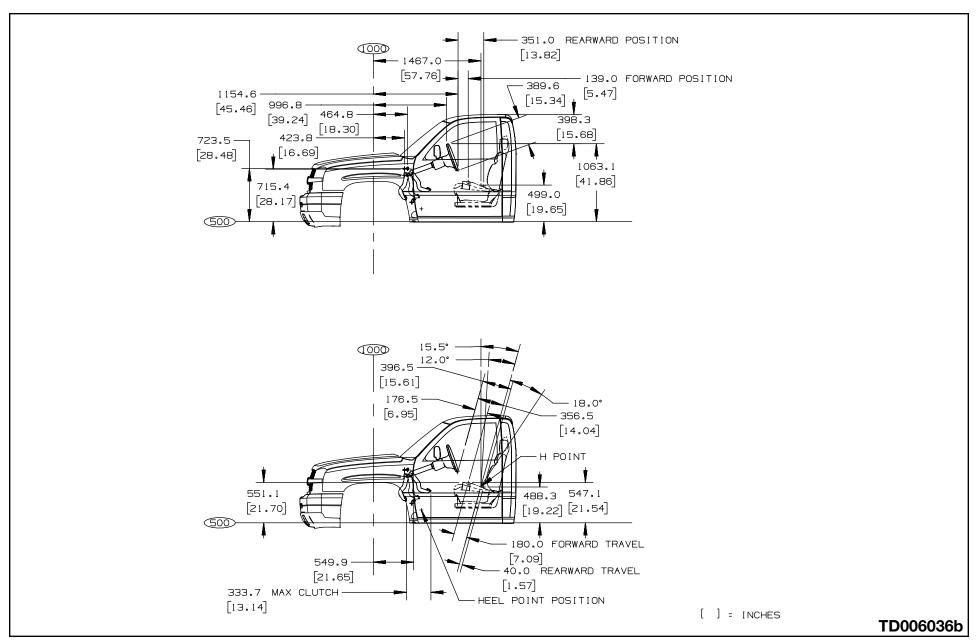
C/K (25HD/35) Crew Cab CA's



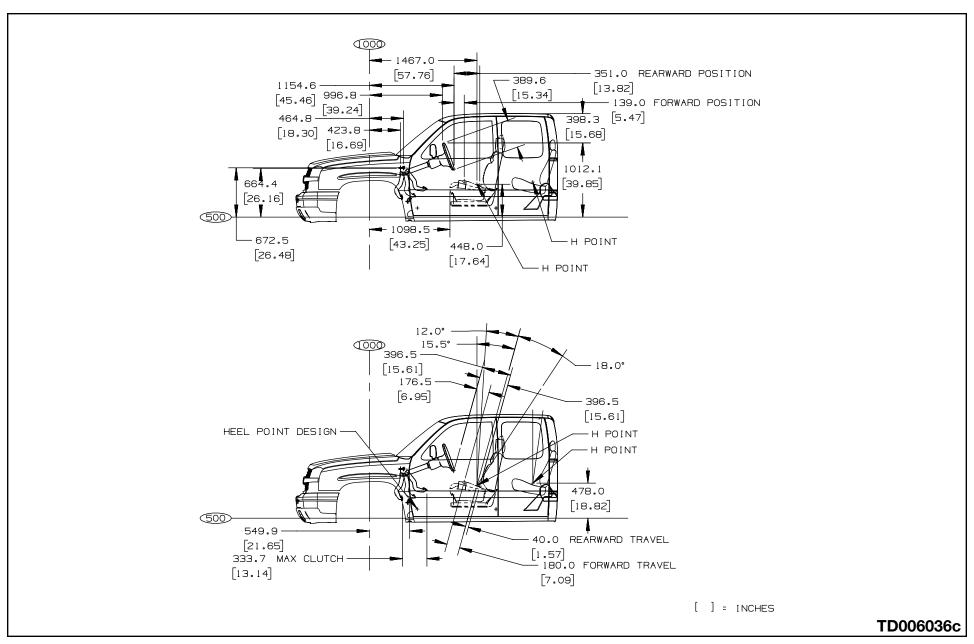
C/K (15/25) Regular Cab Interior



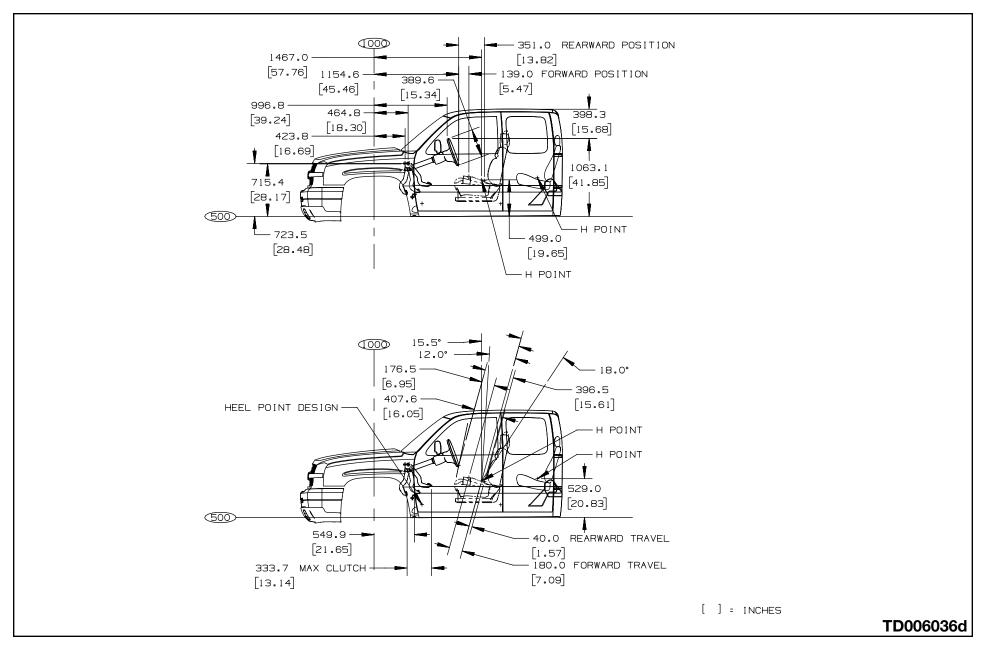
C/K (25HD/35/36) Regular Cab Interior



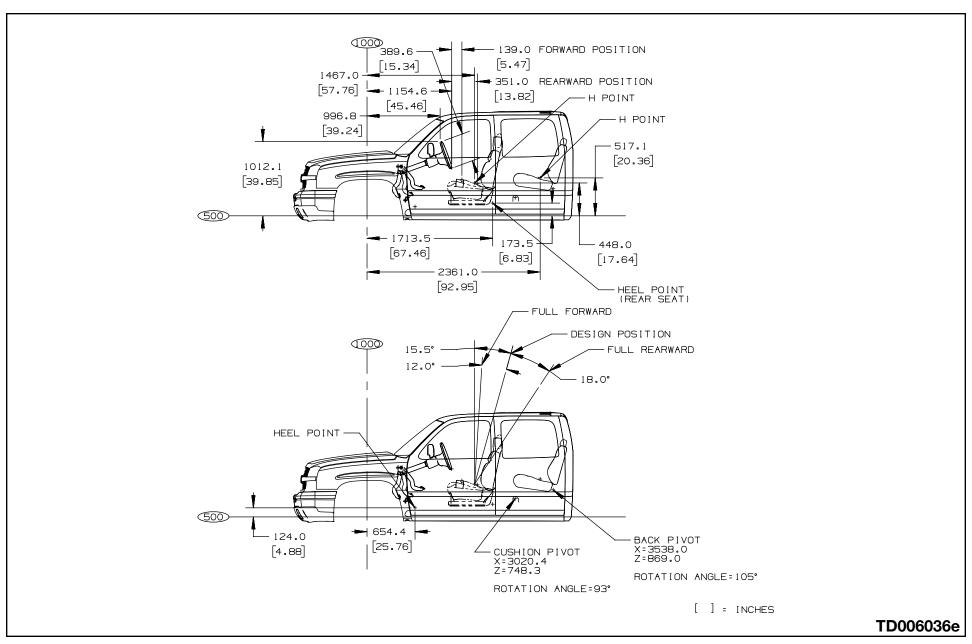
C/K (15/25) Extended Cab Interior



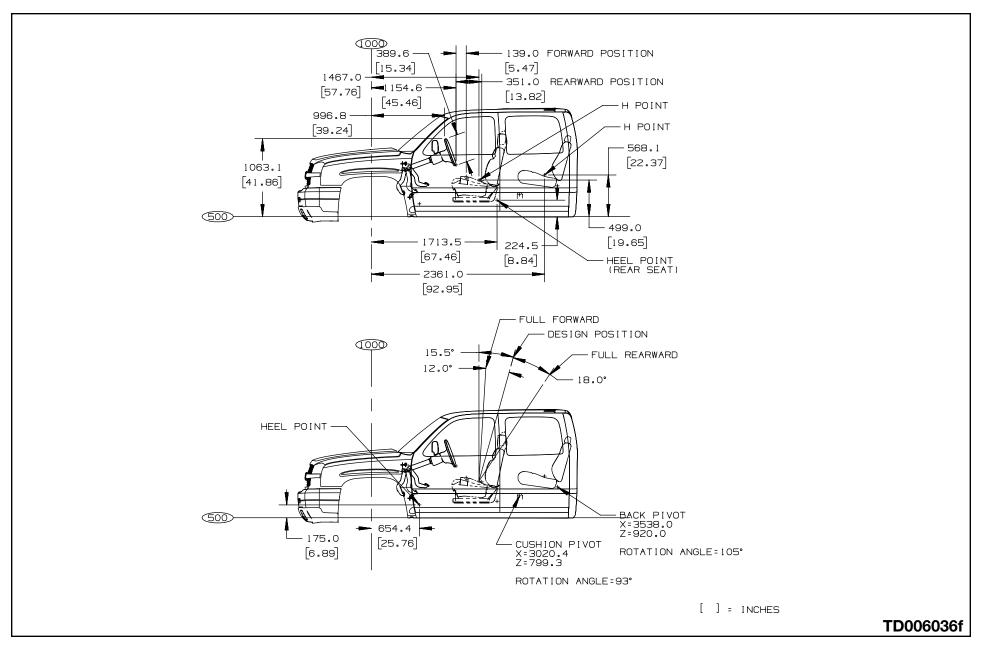
C/K (25HD/35/36) Extended Cab Interior



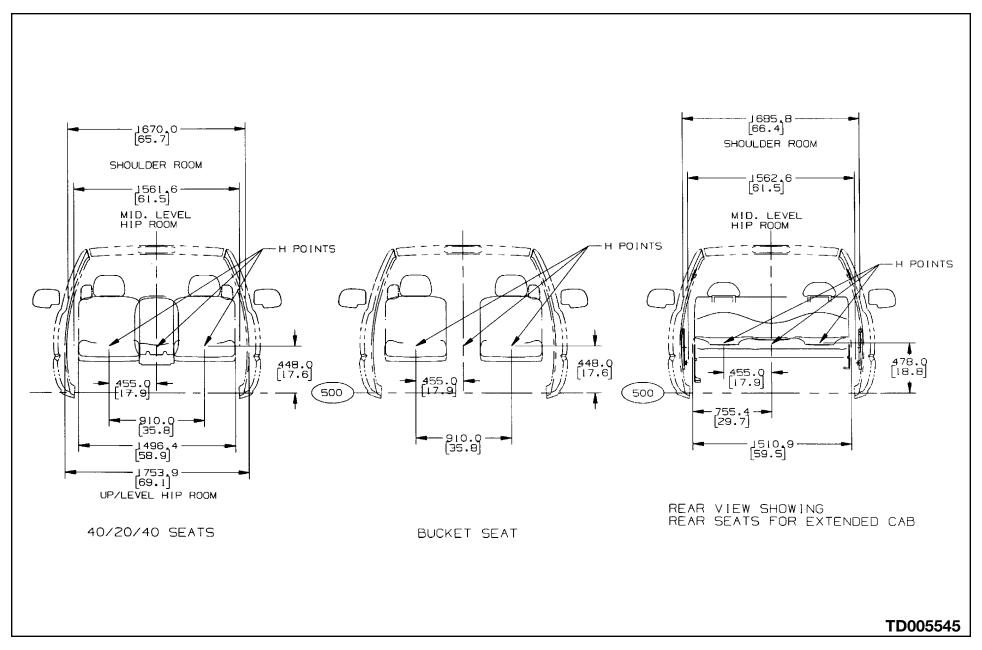
C/K (15/25) Crew Cab Interior



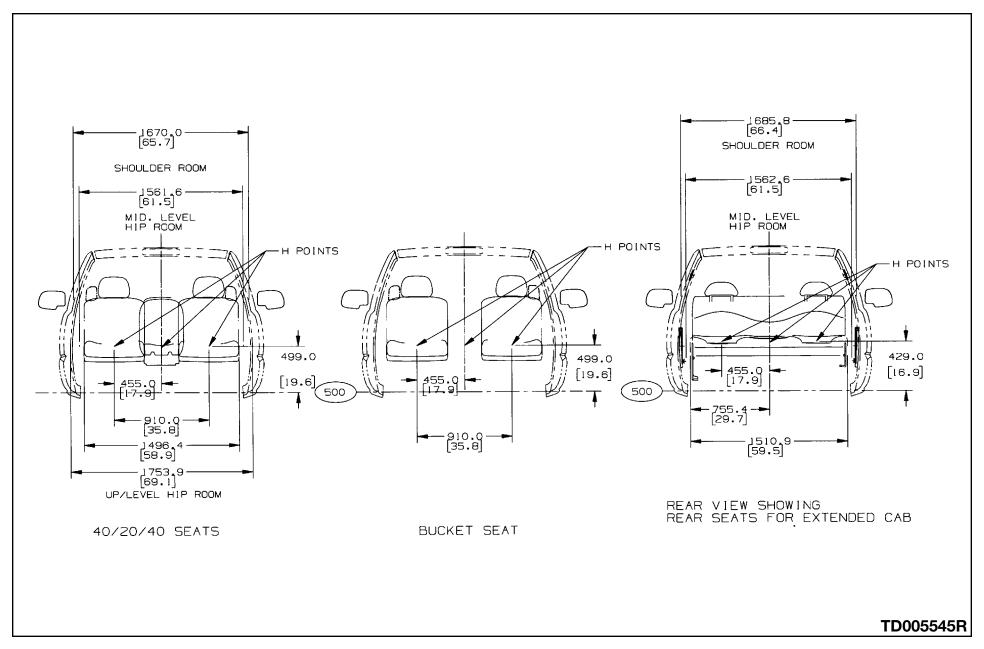
C/K (25HD/35/36) Crew Cab Interior



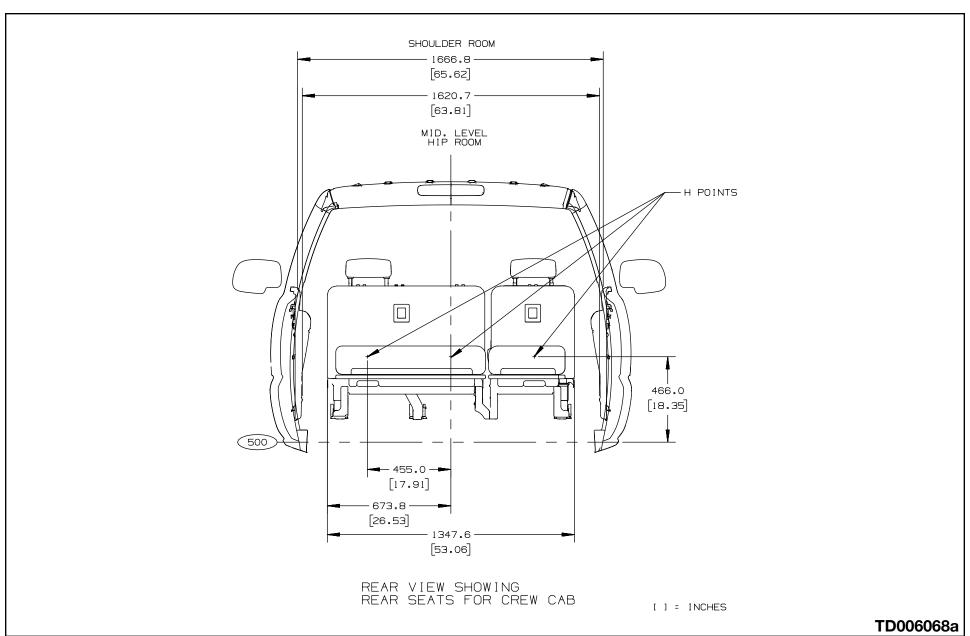
C/K (15/25) Regular and Extended Cab Seating Positions



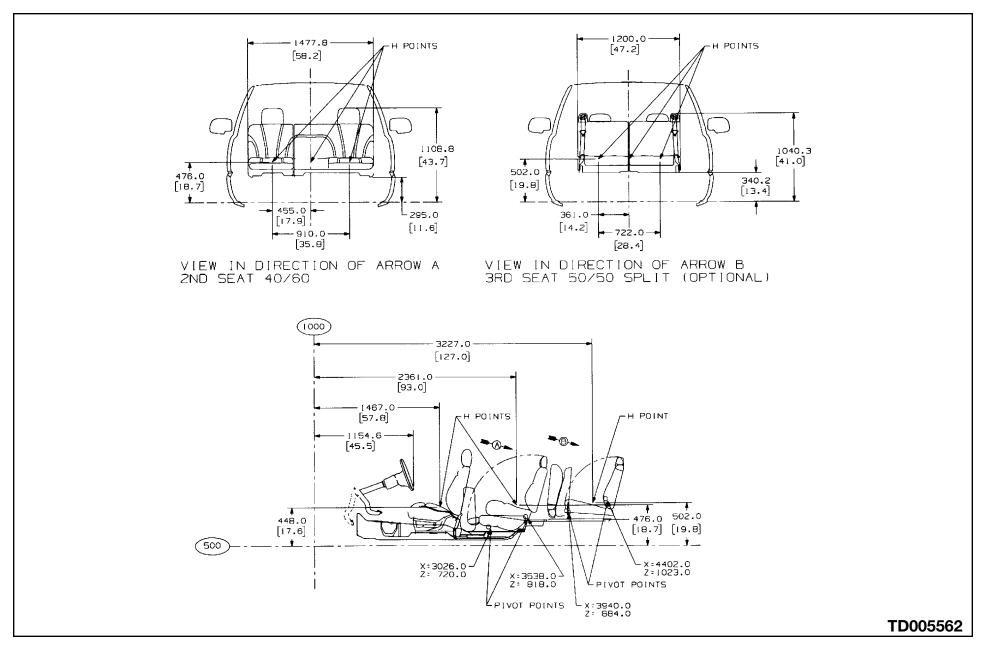
C/K (25HD/35/36) Regular and Extended Cab Seating Positions



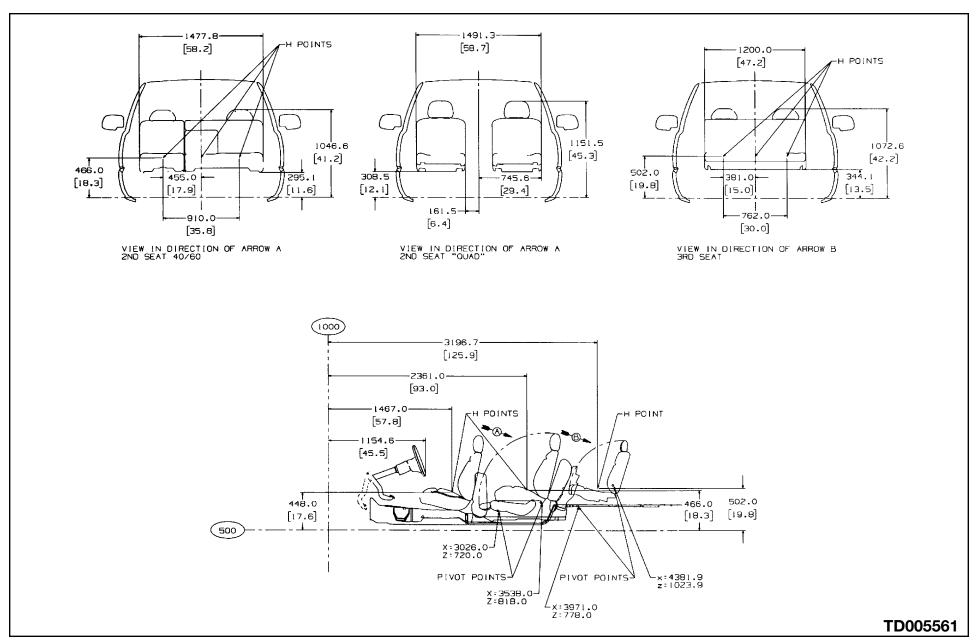
C/K (15/25/25HD/35)(743/943) Crew Cab Second Row Seating Positions



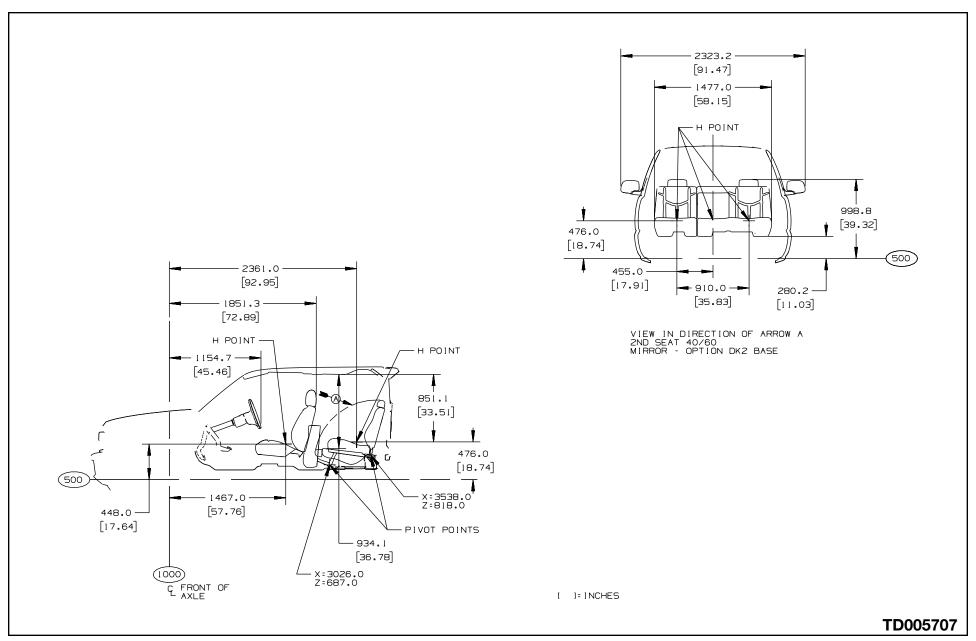
C/K 15706 Seating Positions



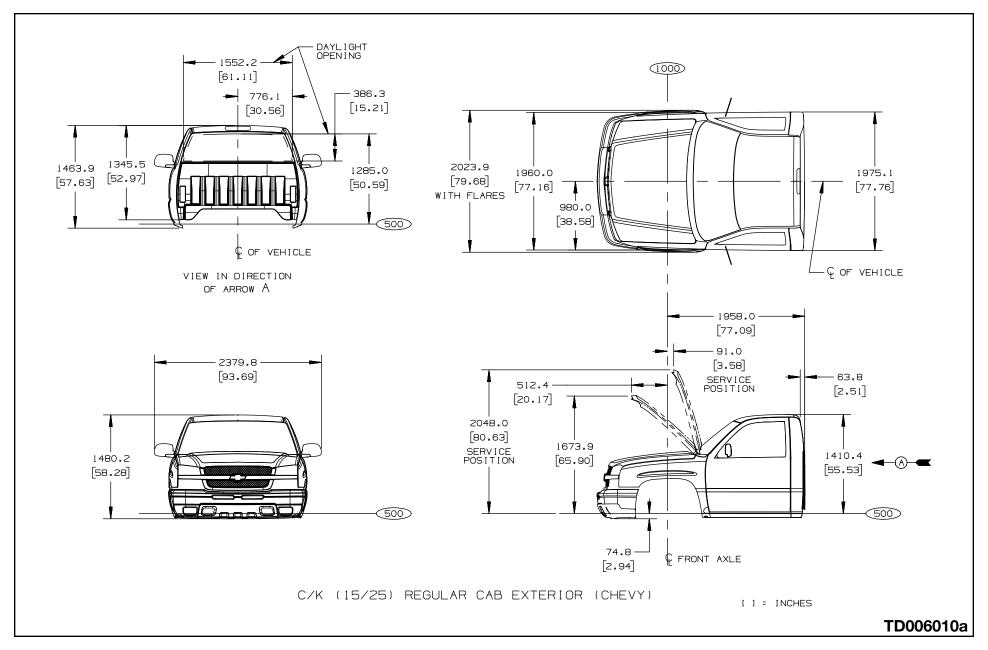
C/K (15/25)906 Seating Positions



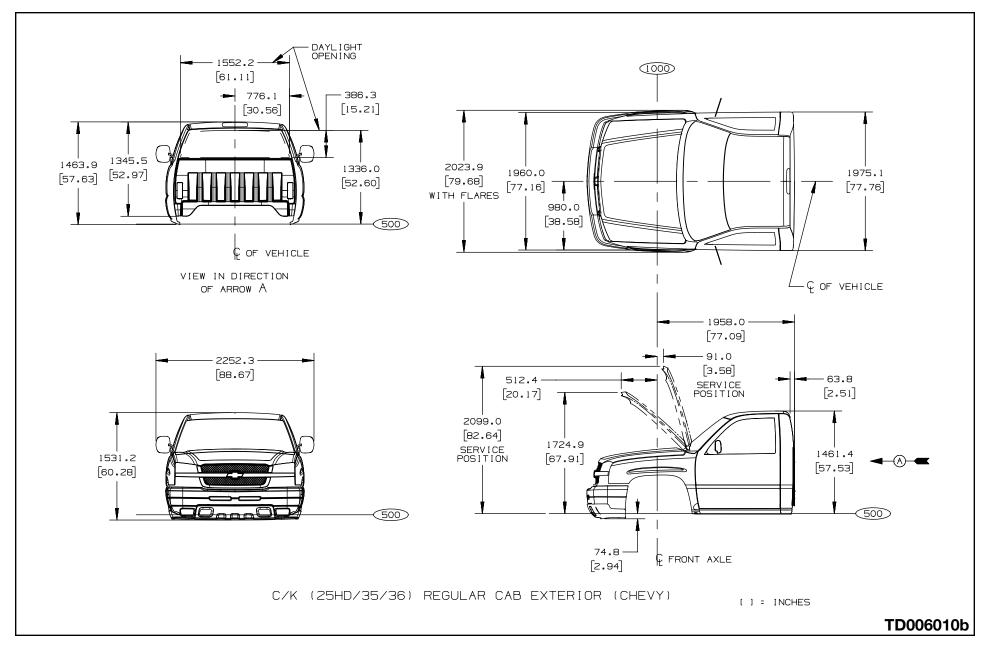
C/K (15/25)936 Seating Positions



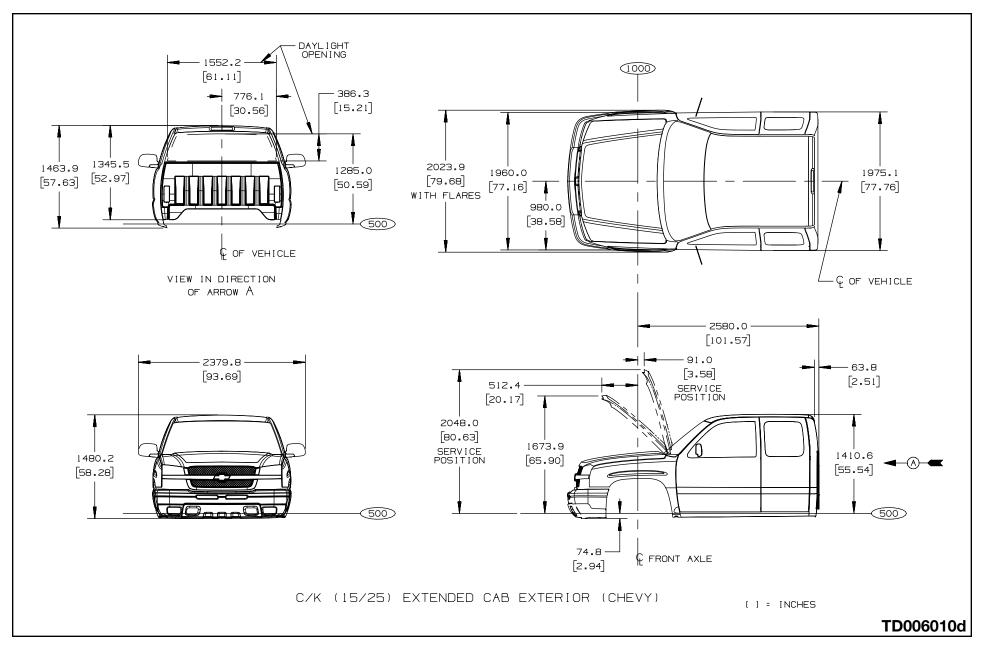
C/K (15/25) Regular Cab Chevy Exterior



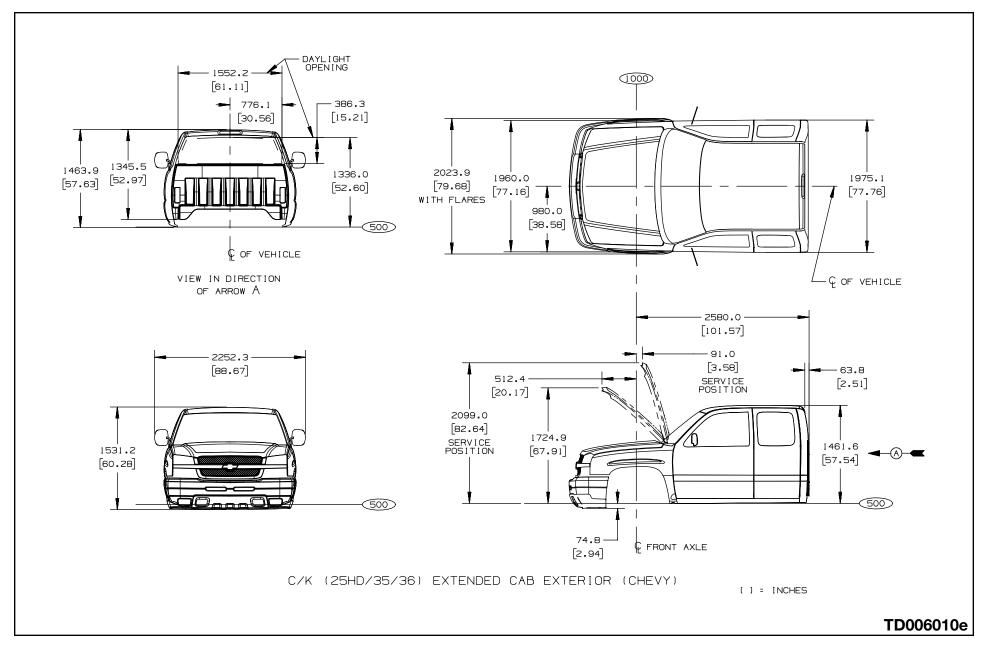
C/K (25HD/35/36) Regular Cab Chevy Exterior



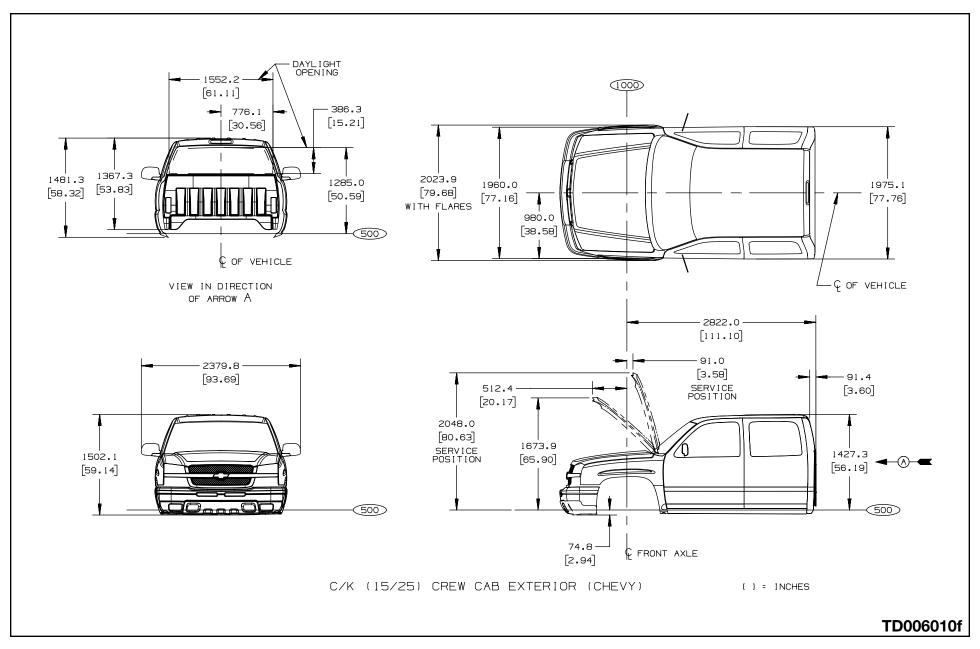
C/K (15/25) Extended Cab Chevy Exterior



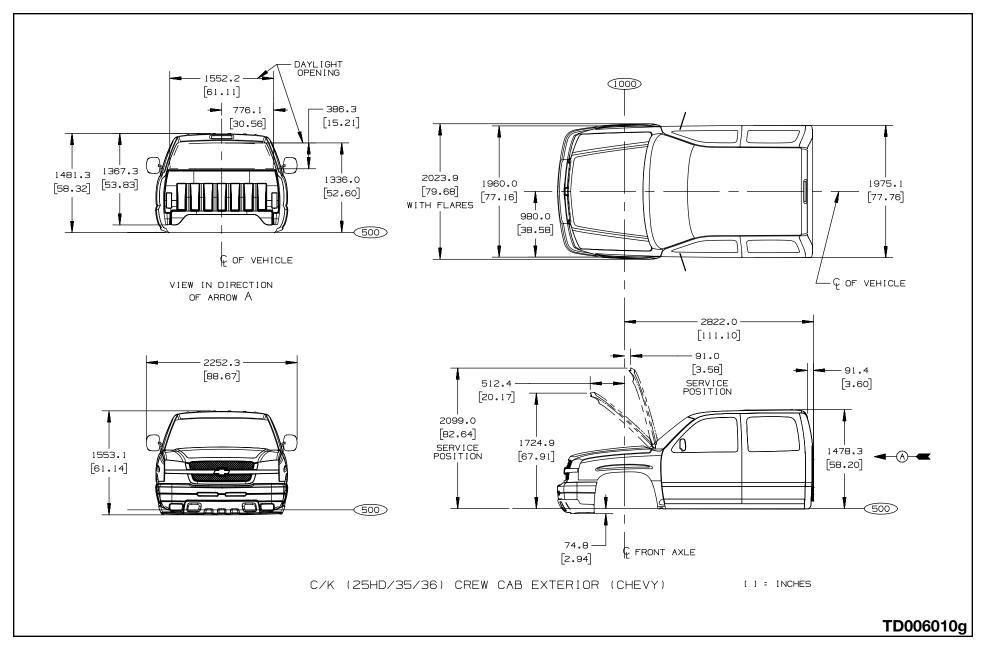
C/K (25HD/35/36) Extended Cab Chevy Exterior



C/K (15/25)(43) Crew Cab Chevy Exterior



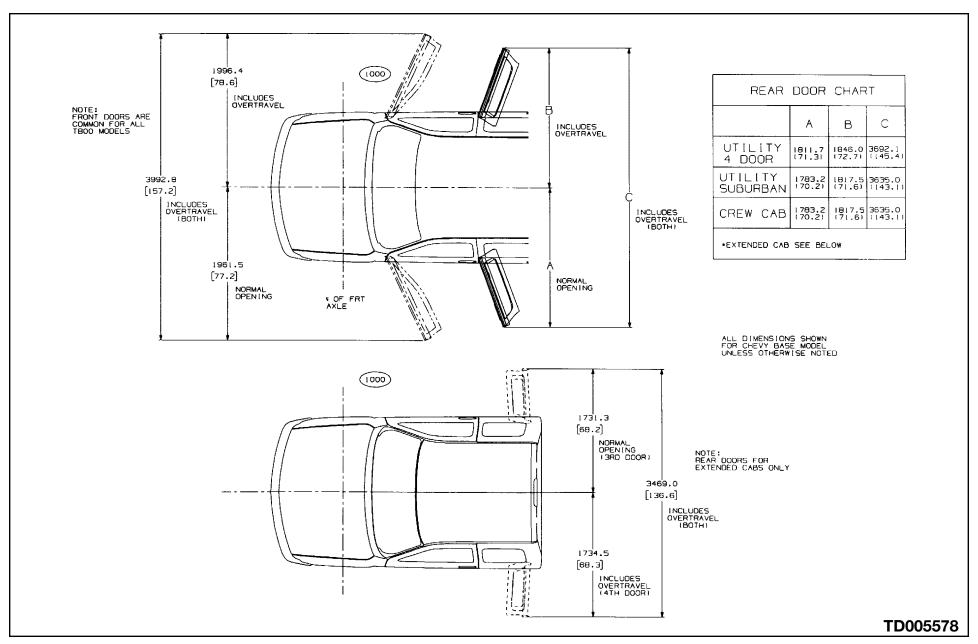
C/K (25HD/35/36)(43) Crew Cab Chevy Exterior



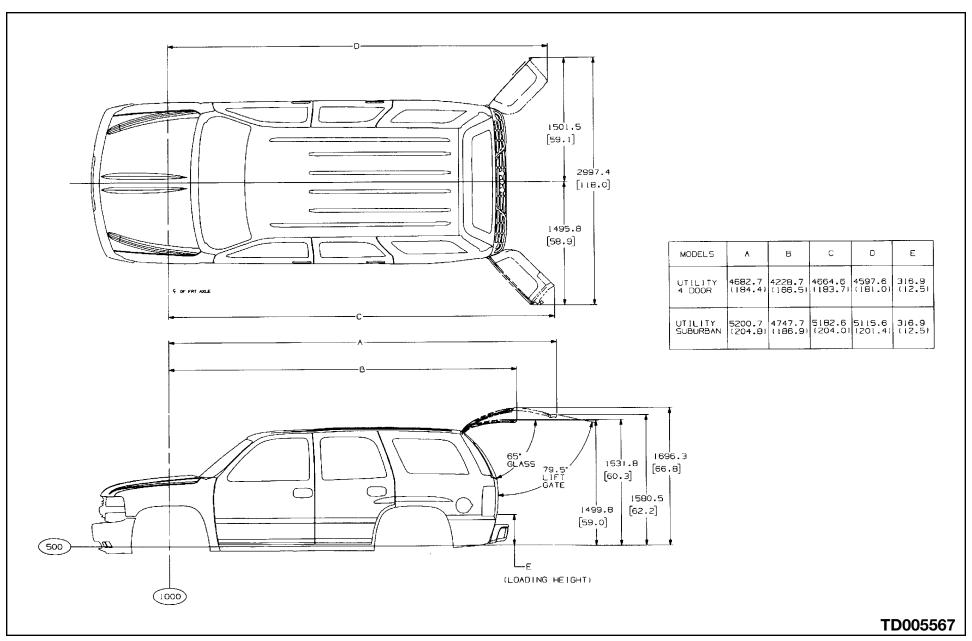
2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

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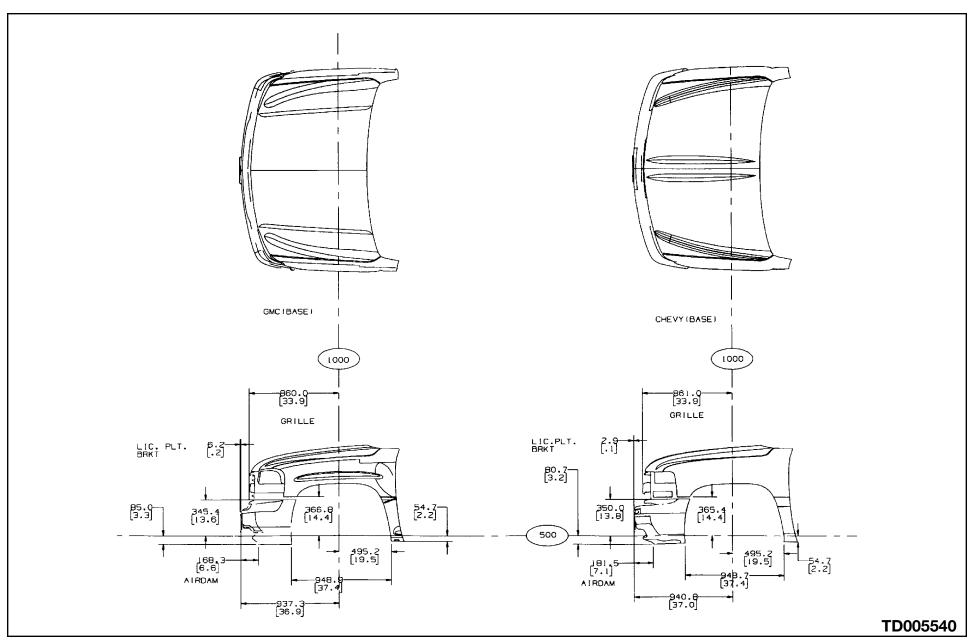
C/K (15/25/25HD/35/36)(03/43/53/06/36) Door Openings



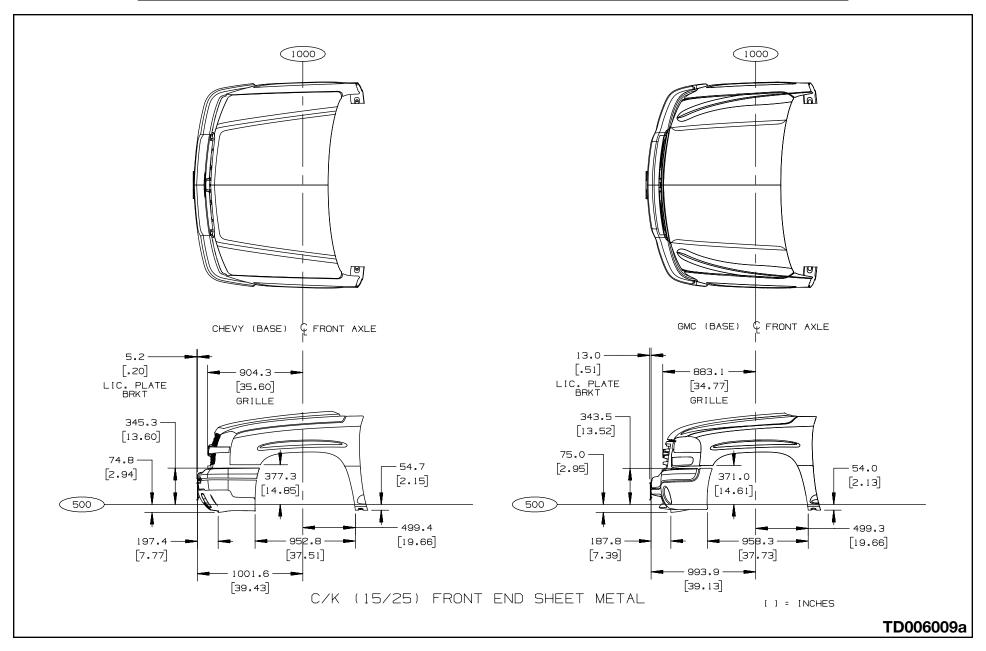
C/K (15/25)(7/9)06 Rear Door Openings



C/K (157/159/259)(06) Front End Sheet Metal – Utilities



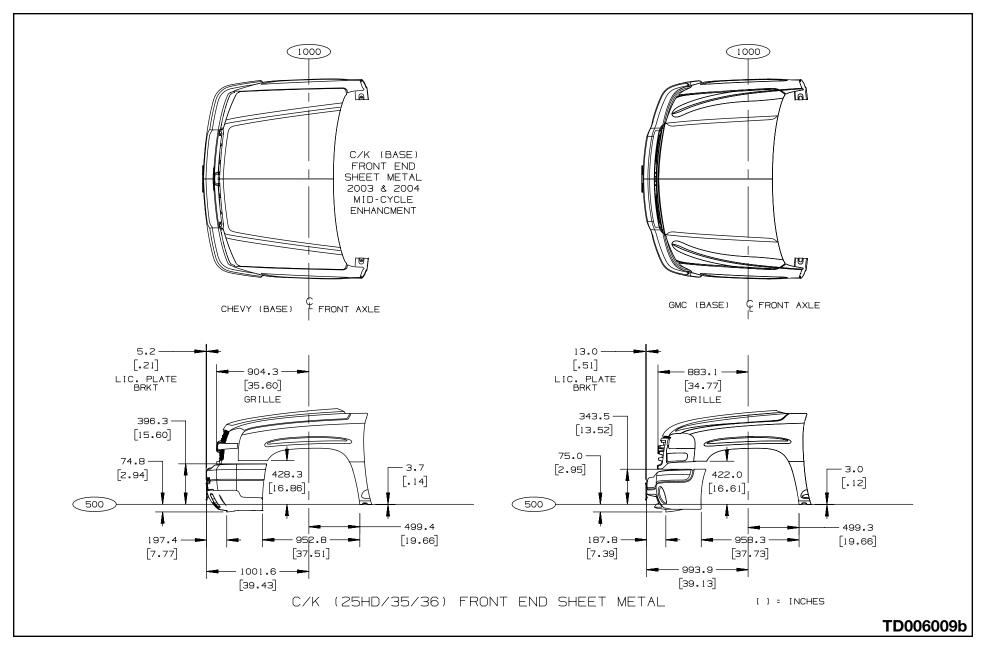
C/K (15/25) Front End Sheet Metal – Pickups and Chassis-Cab



2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)

70 Bage

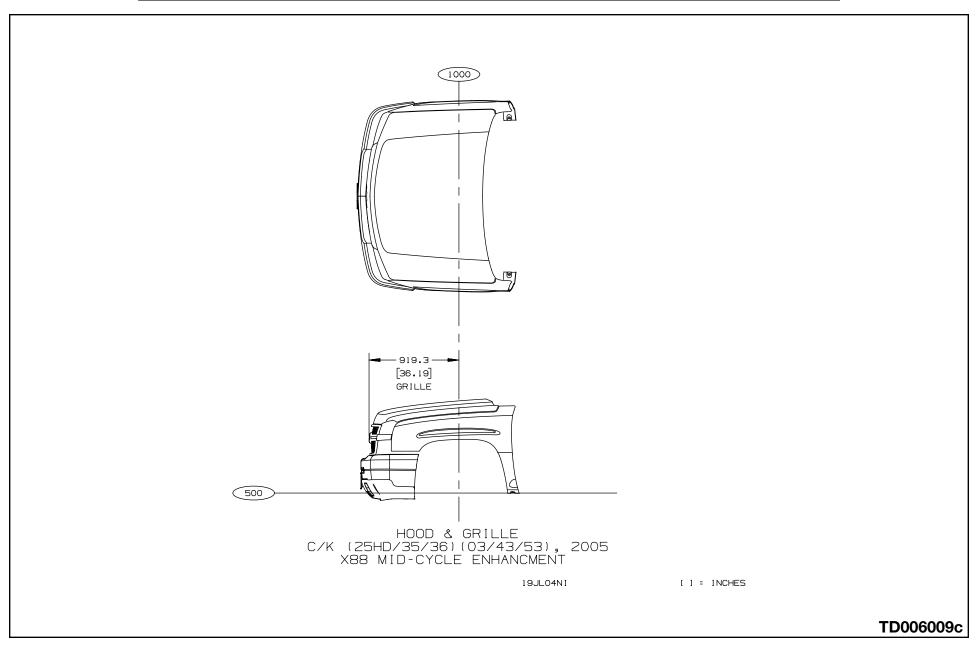
C/K (25HD/35/36) Front End Sheet Metal – Pickups and Chassis-Cab



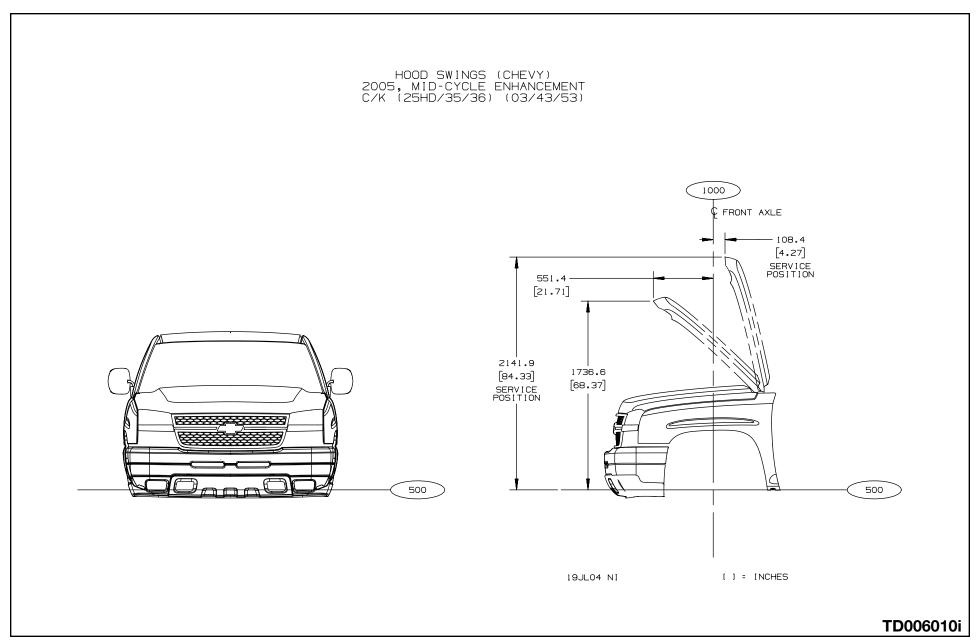
2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)

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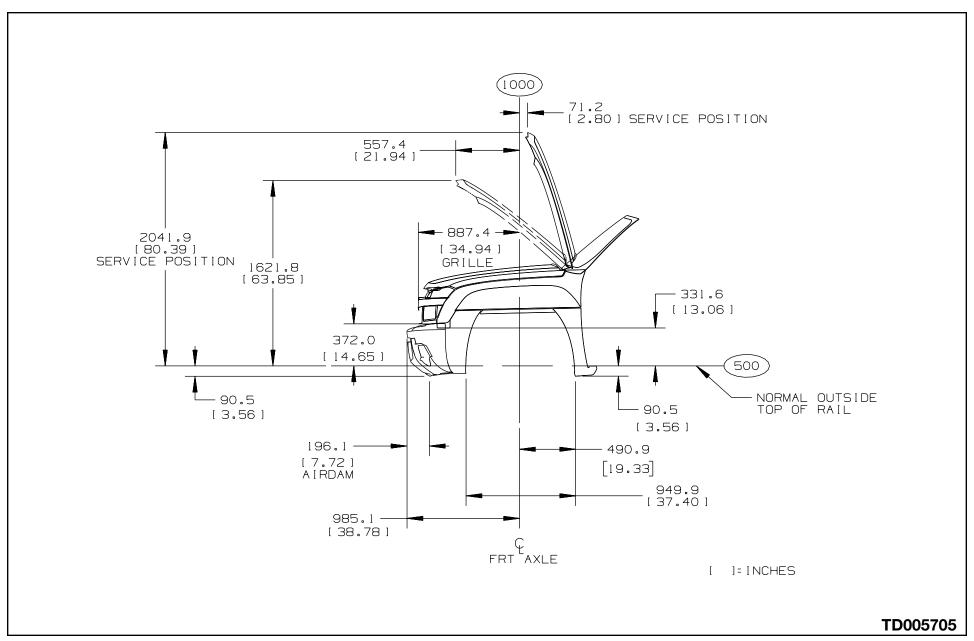
2005 and Beyond MCE Hood and Grille Chevrolet 25HD/35/36



Hood Swing 2005 and Beyond Chevrolet 25HD/35/36



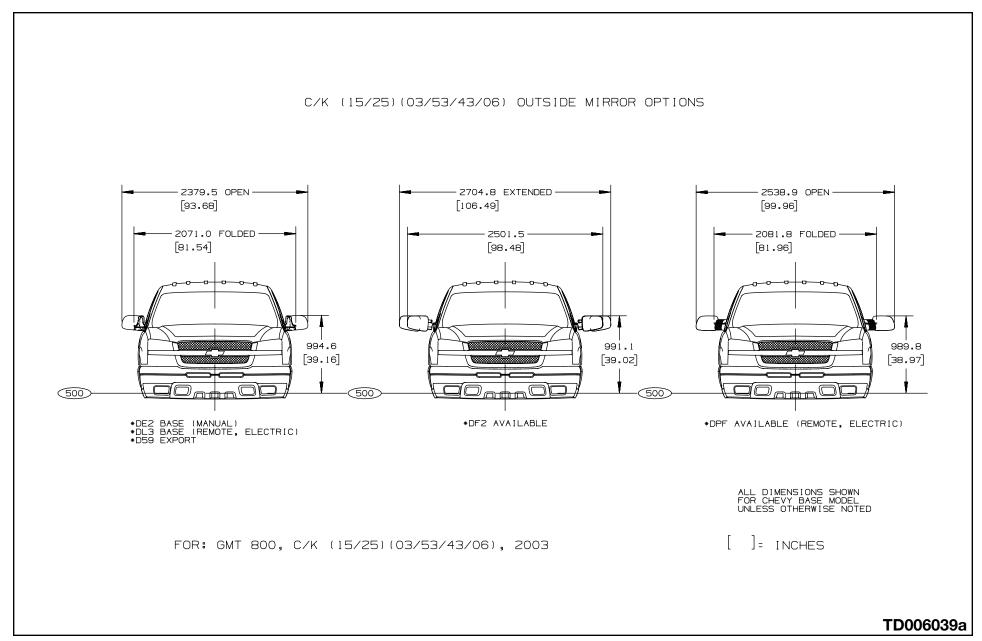
C/K (15/25)936 Front End Sheet Metal



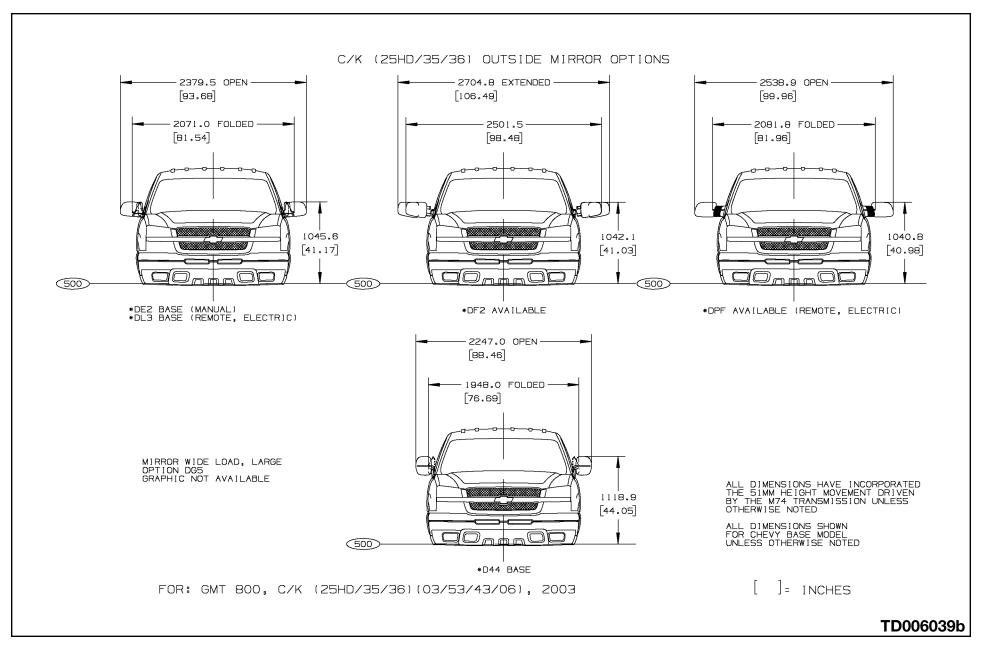
2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)

PAGE

C/K (15/25)(03/53/06) Outside, Mirror Options

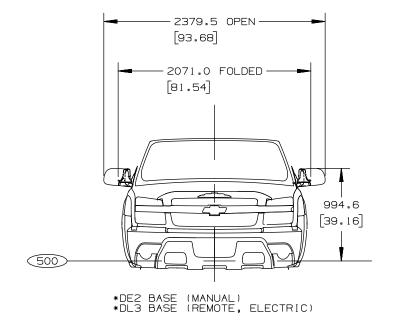


C/K (25HD/35/36) Outside, Mirror Options

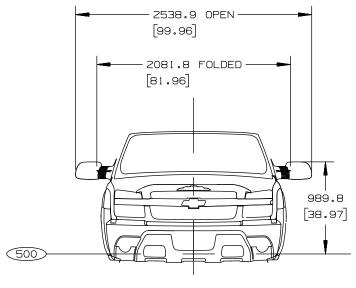


C/K (15/25)936 Outside, Mirror Options

C/K(15/25)936 OUTSIDE MIRROR OPTIONS



FOR: GMT800, C/K(15/25)936, 2003



*DPF AVAILABLE (REMOTE, ELECTRIC)

ALL DIMENSIONS SHOWN FOR CHEVY BASE MODEL

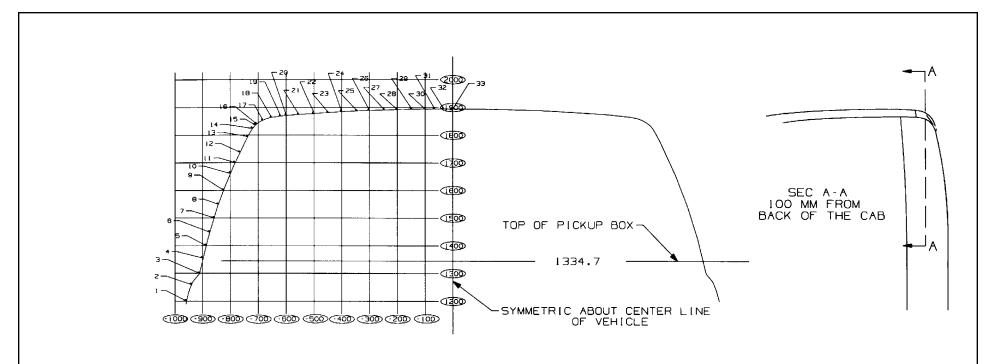
]= INCHES

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2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

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C/K (15/25)(03/53) Back of Cab Profile Nominal



DRIVER SIDE COORDINATES

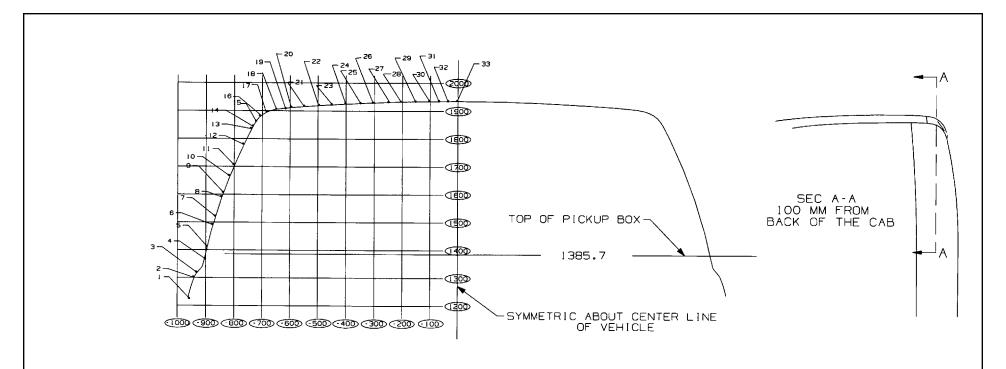
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2	-938.08	1264.98
3	-911.62	1300.00
4	-900.00	1350.59
5	-888.05	1400.00
6	-873.75	1452.70
7	-859.42	1500.00
8	-845.94	1540.87
9	-824.57	1600.00
10	-800.00	1661.35
11	- 783.23	1700.00

PT #	WIDTH	HE I GHT
12	-751.80	1766.91
13	-734.80	1800.00
14	-724.51	1818.00
15	-714.22	1831.97
16	-700.00	1844.60
17	-677.79	1855.90
18	-655.00	1863.47
19	-625.19	1867.85
20	-600.00	1870.63
21	-550.40	1874.64
22	-500.00	1878.10

PT #	WIDTH	HE LGHT
- 33		
23	-440.45	1881.76
24	-400.00	1884.02
25	-352.43	1886.44
26	-300.00	1888.82
27	-247.74	1890.81
28	-200.00	1892.29
29	-143.45	1893.59
30	-100.00	1894.30
31	-065.20	1894.69
32	-026.00	1894.94
33	000.00	1895.00

TD005534

C/K (25HD/35/36) Back of Cab Profile Nominal



DRIVER SIDE COORDINATES

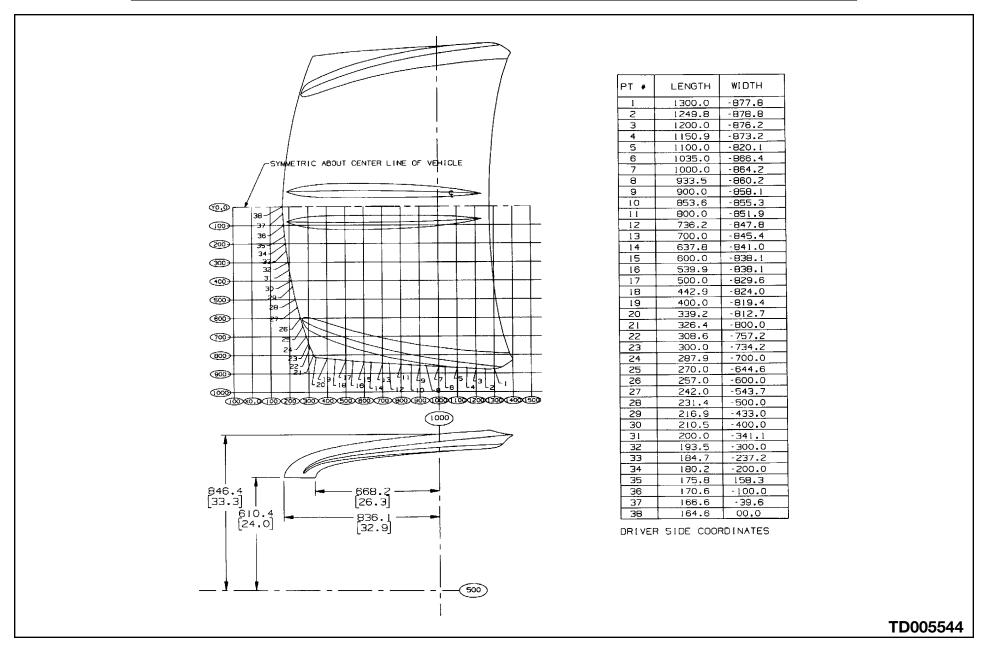
PT #	WIDTH	HEIGHT
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4	-900.00	1401.59
5	-888.05	1451.00
6	-873.75	1503.70
7	-859.42	1551.00
8	-845.94	1591.87
9	-824.57	1651.00
10	-800.00	1712.35
11	-783.23	1751.00

PT #	WIDTH	HE [GHT
12	-751.80	1817.91
13	-734.80	1851.00
14	-724.51	1869.00
15	-714.22	1864.97
16	-700.00	1895.60
17	-677.79	1906.90
18	-655.00	1914.47
19	-625.19	1918.85
20	-600.00	1921.63
21	-550.40	1925.64
22	-500.00	1929.10

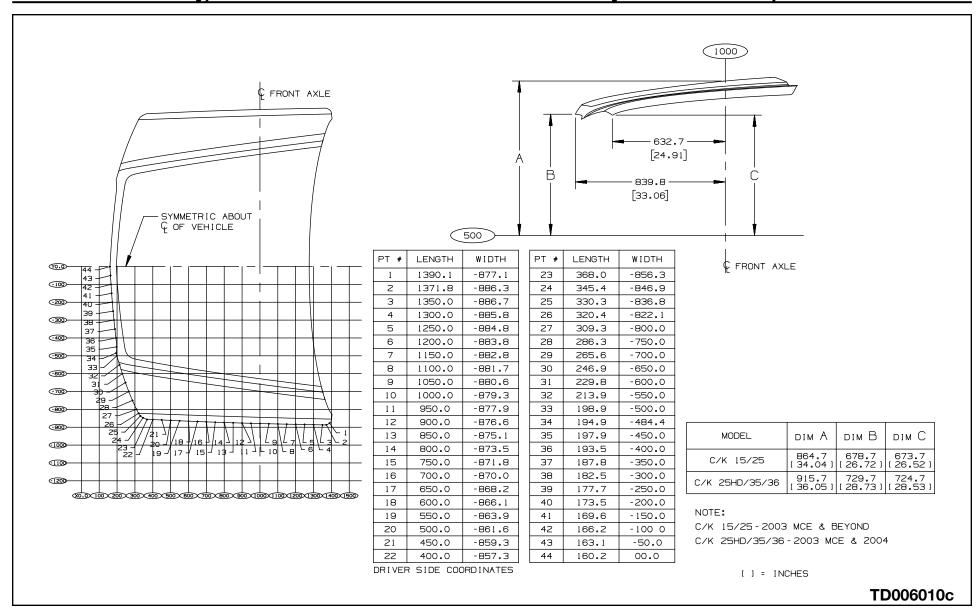
PT #	HTOIW	HE I GHT
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24	-400.00	1935.02
25	-352.43	1937.44
26	-300.00	1939.82
27	-247.74	1941.81
28	-200.00	1943.29
29	-143.45	1944.59
30	-100.00	1945.30
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32	-026.00	1945.94
33	000.00	1946.00

TD005534R

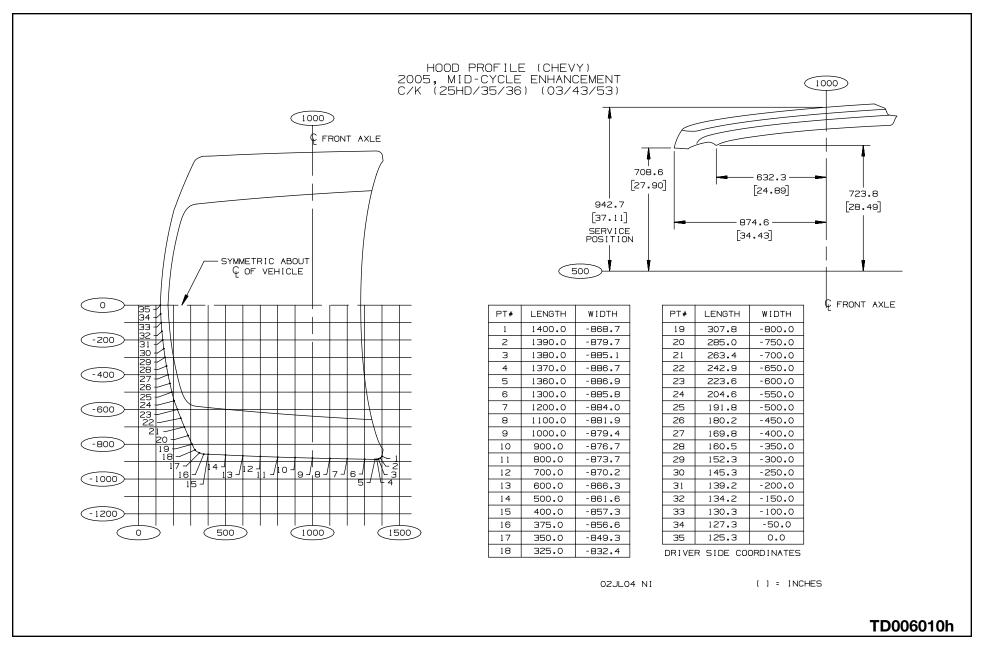
C/K (15/25)(706/906) Hood Profile – Chevy, Tahoe and Suburban



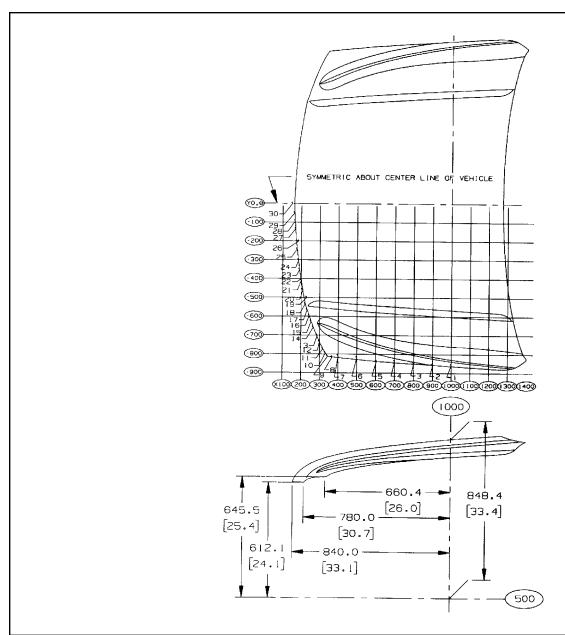
Hood Profile – Chevy, 2003 and Beyond MCE C/K 15/25 Chevrolet Pickups
Hood Profile – Chevy, 2003 MCE and 2004 C/K 25HD/35/36 Chevy Silverado Pickups and Chassis-Cabs



Hood Profile (Chevy) 25HD/35/36 2005 MCE and Beyond



C/K (15/25) Hood Profile (GMC)

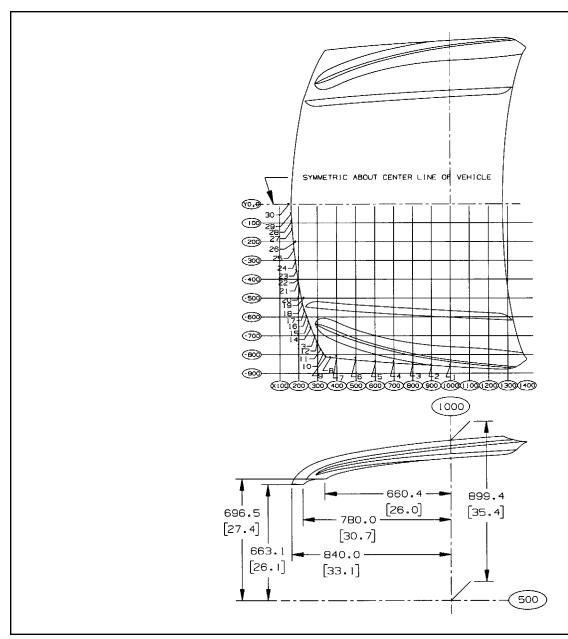


	LENGTH	WIDTH
ī	1000.0	-863.8
2	900.0	-857.7
3	800.0	-851.5
4	700.0	-845.0
5	600.0	-837.7
6	500.0	-829.2
7	400.0	-819.0
8	364.4	-815.2
O)	343.4	-812.4
10	334.5	-800.0
1 l	317.2	-772.3
12	300.0	-739.7
13	281.9	-700.0
14	267.8	-663.5
15	254.9	-629.0
16	244.5	-600.0
17	232.7	-568.8
18	223.3	-536.5
19	215.5	-500.0
20	209.0	-464.0
21	200.0	-410.0
22	197.9	-400.0
23	192.0	-358.1
24	183.7	-300.0
25	178.3	-249.7
26	173.5	-200.0
27	168.6	-141.8
28	165.6	-100.0
29	163.6	-33.5
30	161.5	00.0

DRIVER SIDE COORDINATES

TD005553

C/K (25HD/35/36) Hood Profile (GMC)

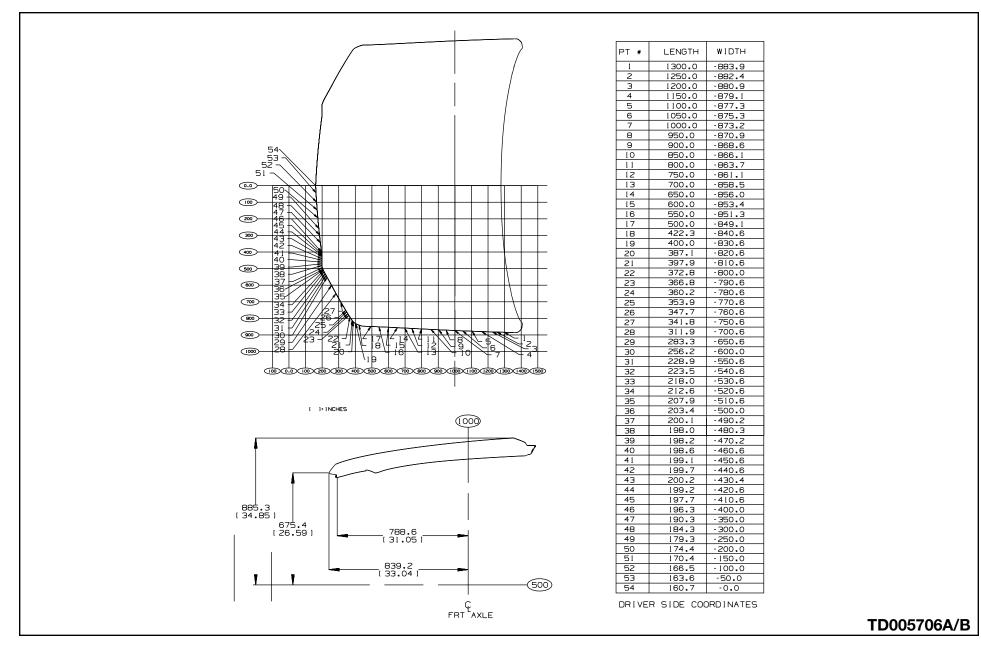


PT#	LENGTH	HTGIW
1	1000.0	-863.8
2	900.0	-857.7
3	800.0	-851.5
4	700.0	-845.0
5	600.0	-837.7
5 6	500.0	-829.2
7	400.0	-819.0
8	364.4	-815.2
9	343.4	-812.4
10	334.5	-800.0
11	317.2	-772.3
12	300.0	-739.7
13	281.9	-700.0
14	267.8	-663.5
15	254.9	-629.0
16	244.5	-600.0
17	232.7	-568.8
18	223.3	-536.5
19	215.5	-500.0
20	209.0	-464.0
21	200.0	-410.0
22	197.9	-400.0
23	192.0	-358.1
24	183.7	-300.0
25	178.3	-249.7
26	173.5	-200.0
27	168.6	-141.8
28	165.6	-100.0
29	163.6	-33.5
30	161.5	00.0

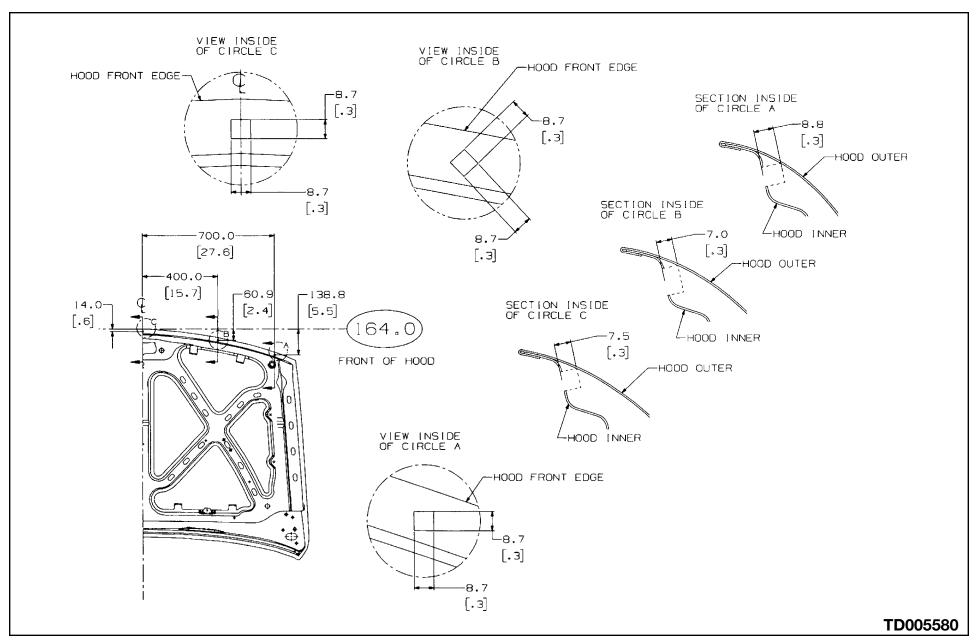
DRIVER SIDE COORDINATES

TD005553R

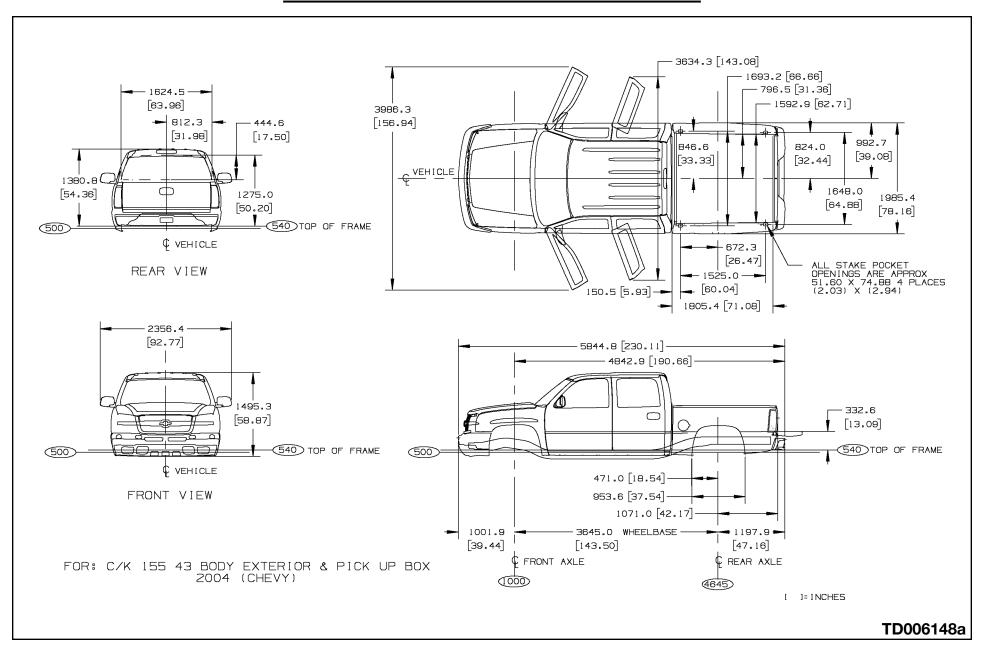
C/K (15/25)936 Hood Profile



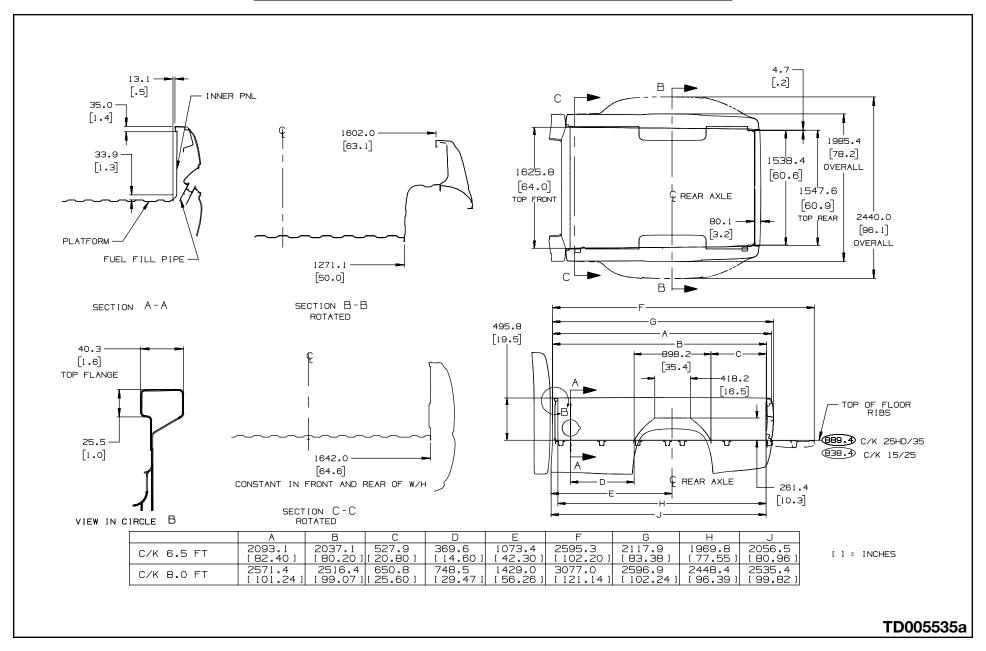
C/K (15/25/25HD/35/36) Hood Inner Panel



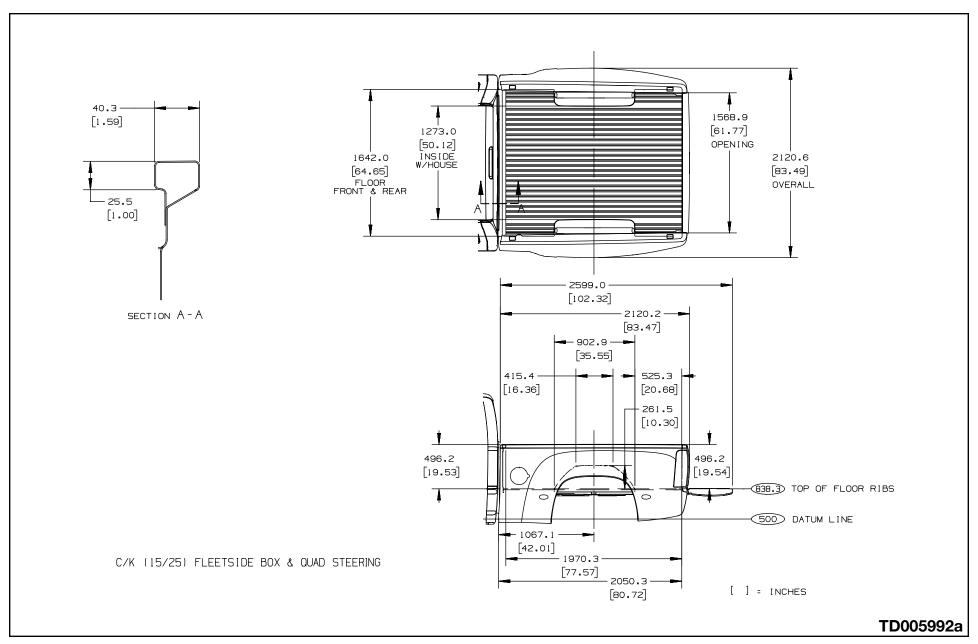
C/K 15543 Short Short Fleetside Box



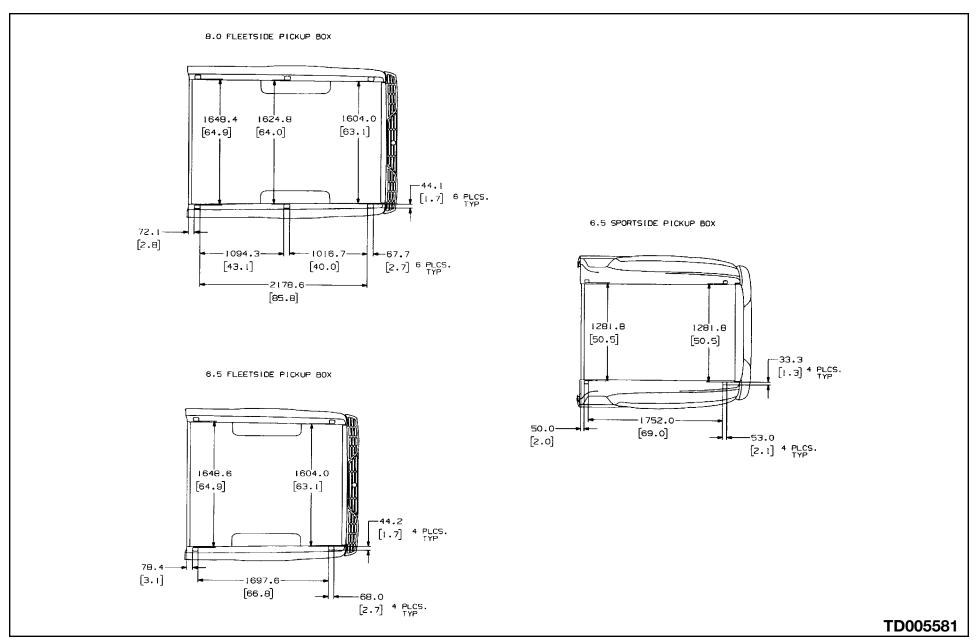
C/K 6.5 and 8.0 Foot Fleetside Pickup Box



C/K Fleetside 6.5 Foot with Quad Steering (Option NYS)



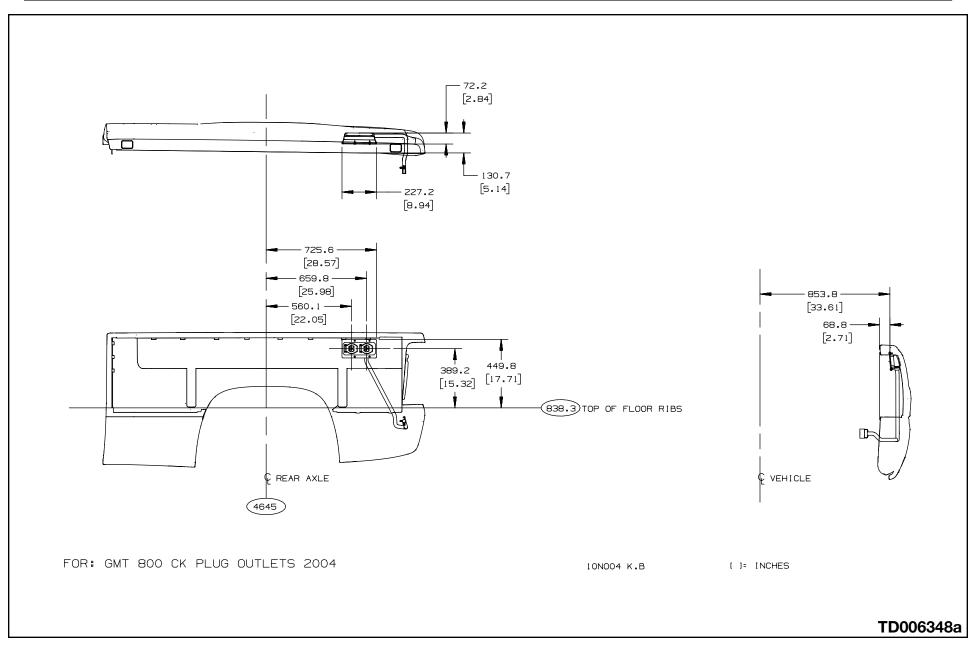
C/K (15/25/25HD/35) Stake Pockets



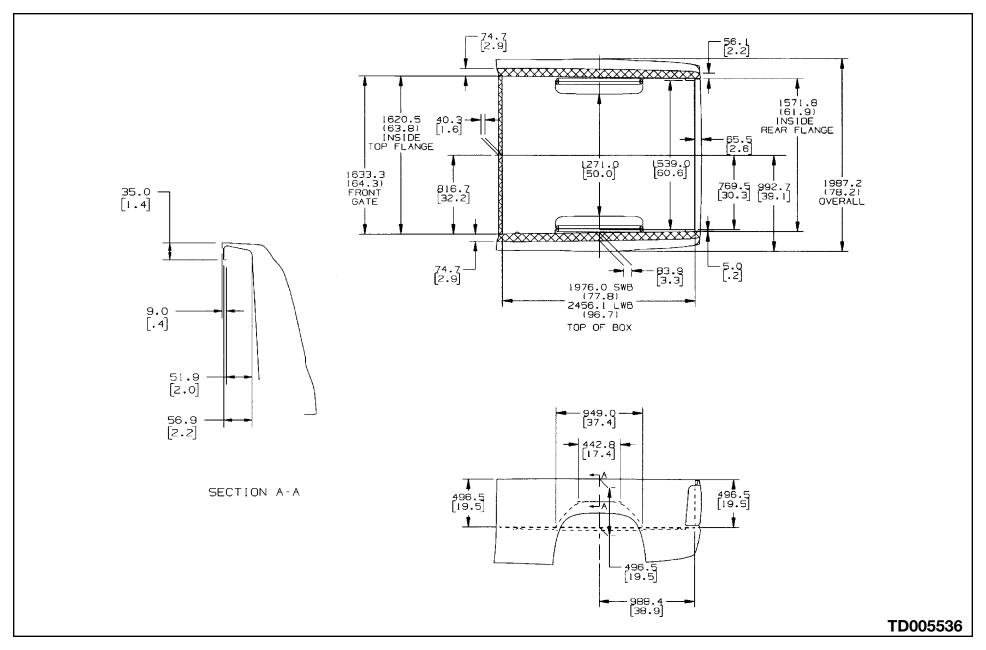
2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)

90 Bage

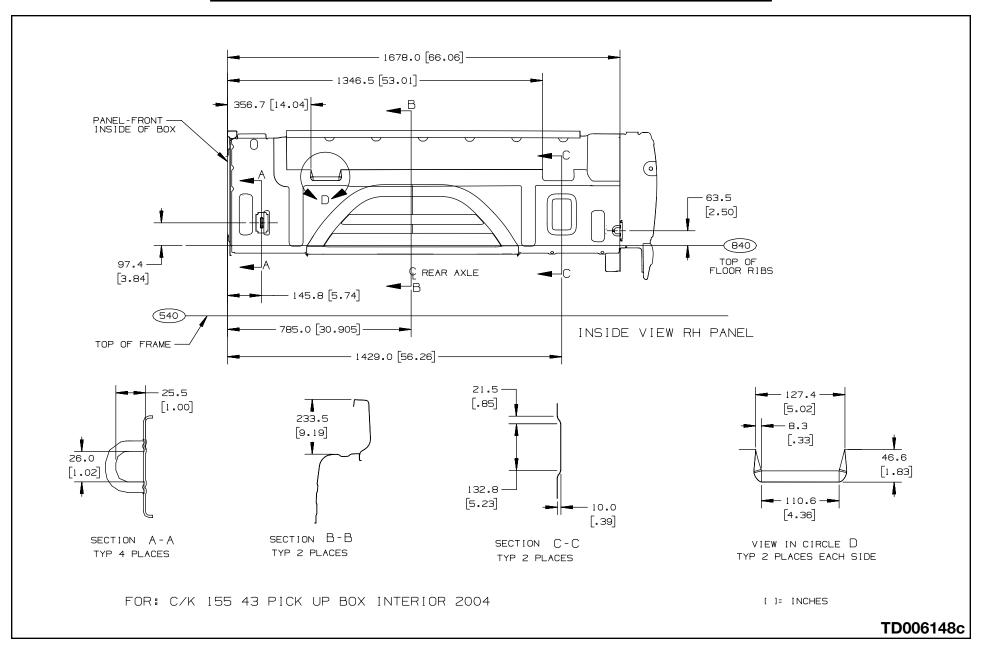
2005 and Beyond Pickup Box Electrical Plus Outlet Location - C/K15753, Hybrid Option HPT



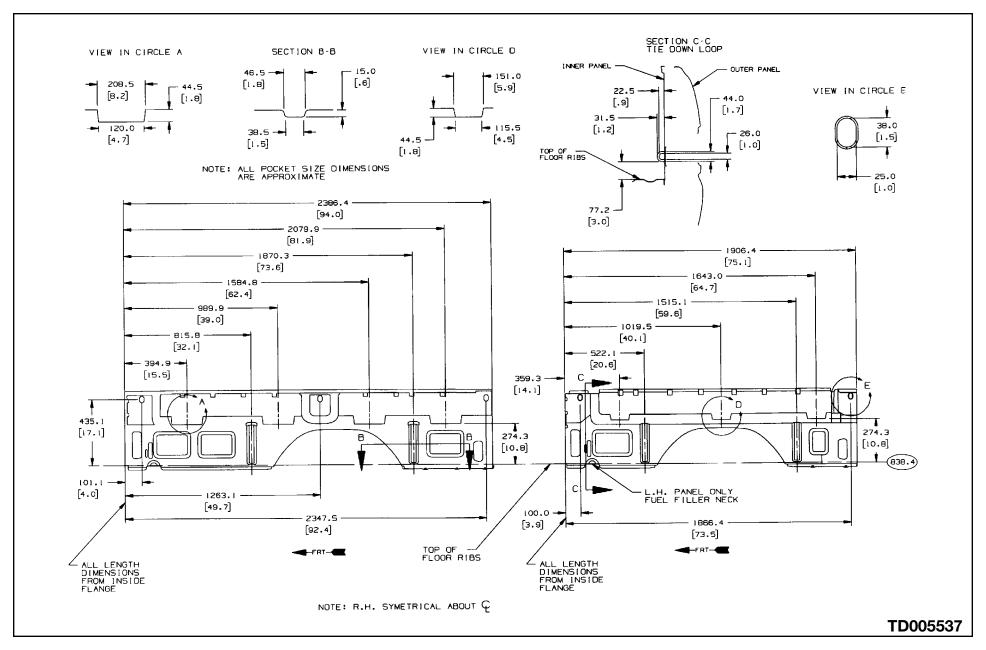
C/K (15/25/25HD/35) Fleetside Box, Top Rail



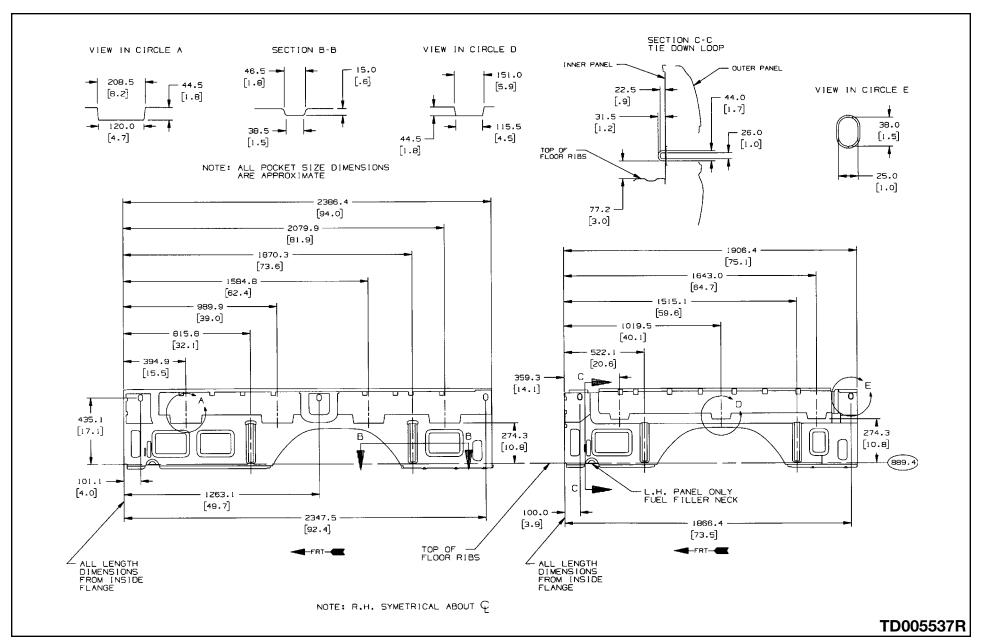
C/K 15543 Short Short Fleetside Box, Inner Panel



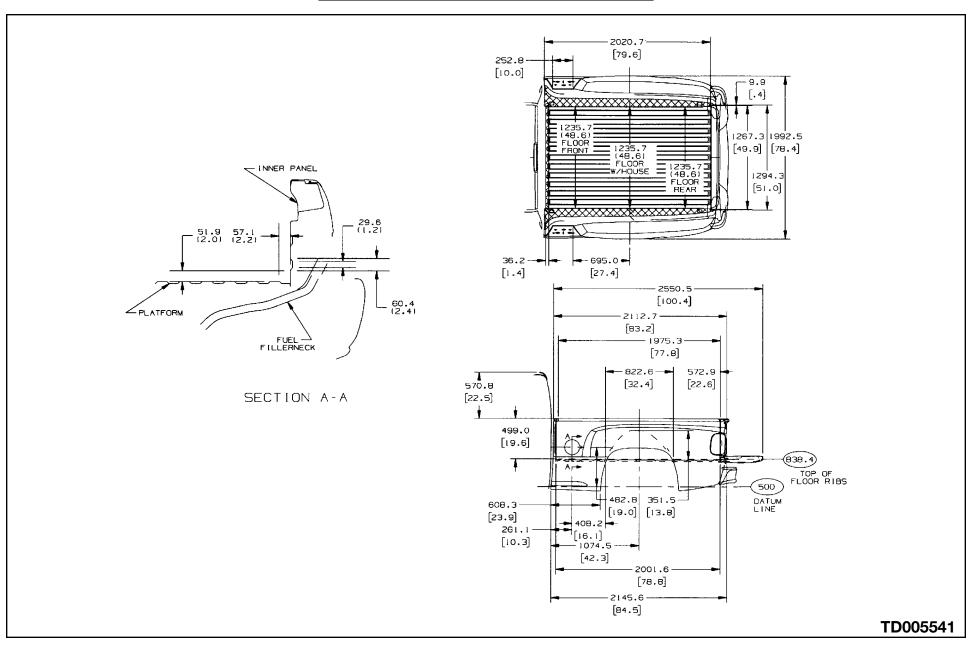
C/K (15/25) Fleetside Box Inner Side Panel



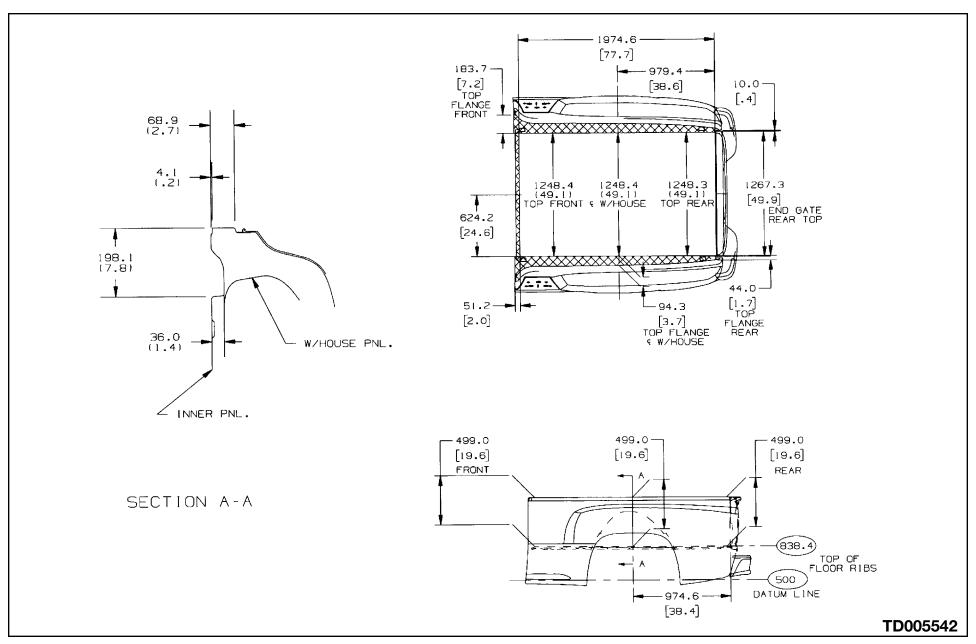
C/K (25HD/35) Box Inner Side Panel



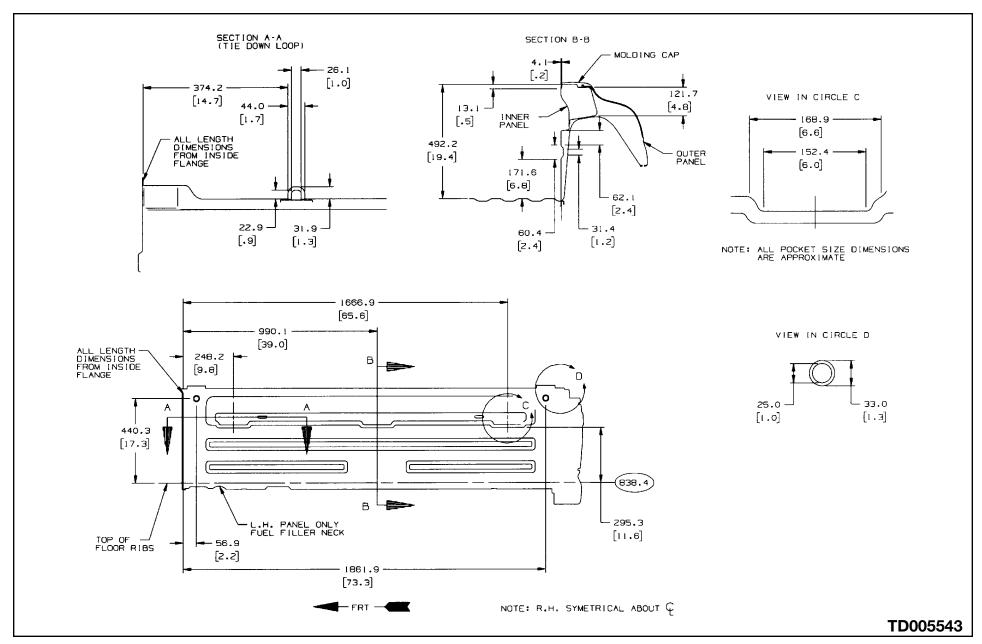
C/K 157(03/53) Sportside Box



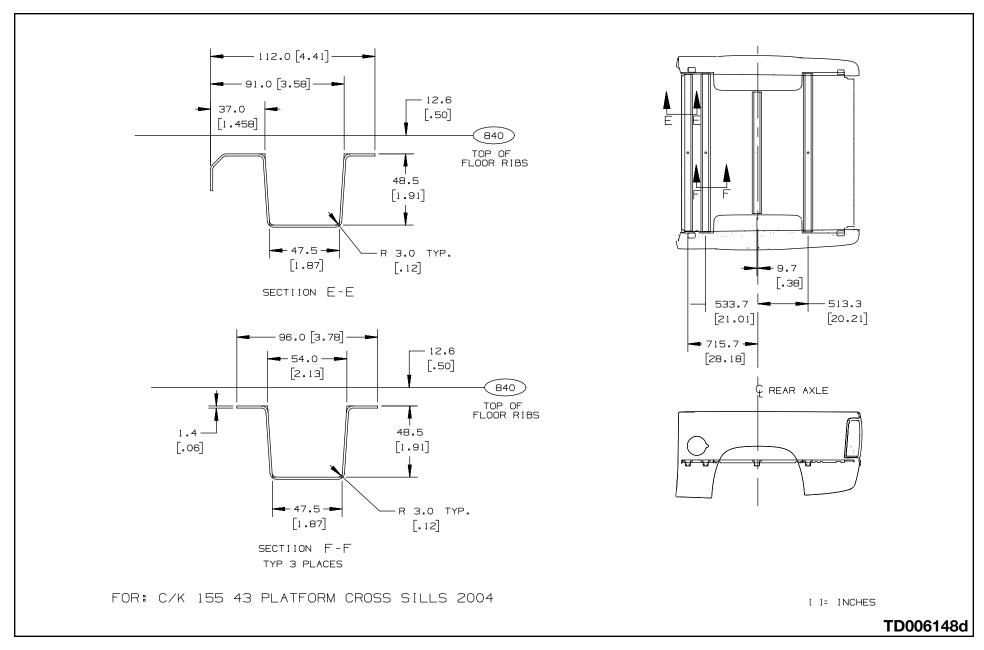
C/K 157(03/53) Sportside Box, Top Rail



C/K 157(03/53) Sportside, Inner Side Panel



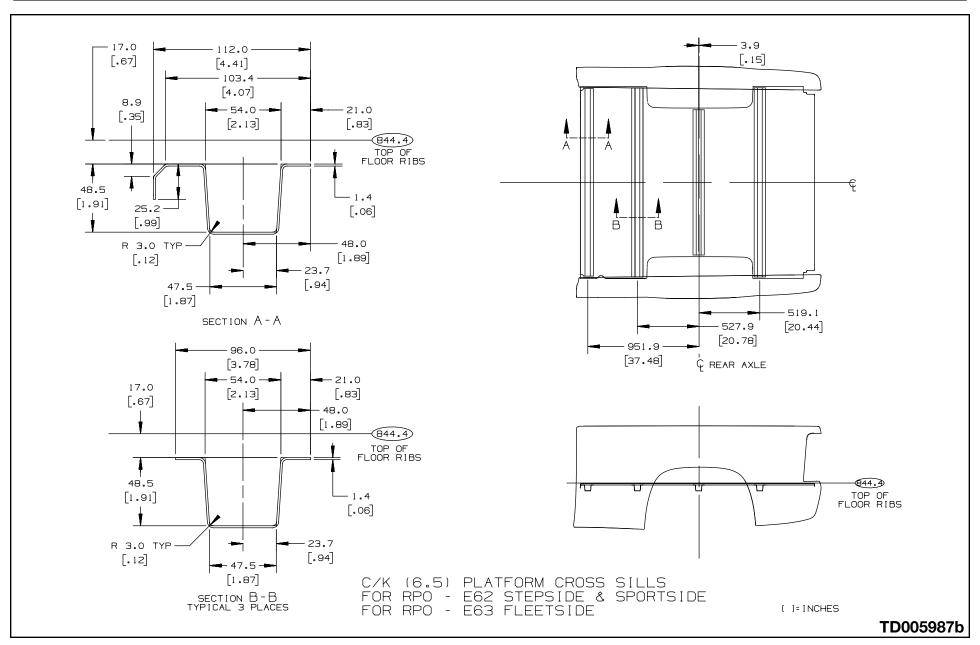
Platform Cross Sills - 5' 8.5" Pickup Box, Fleetside (Option E63)



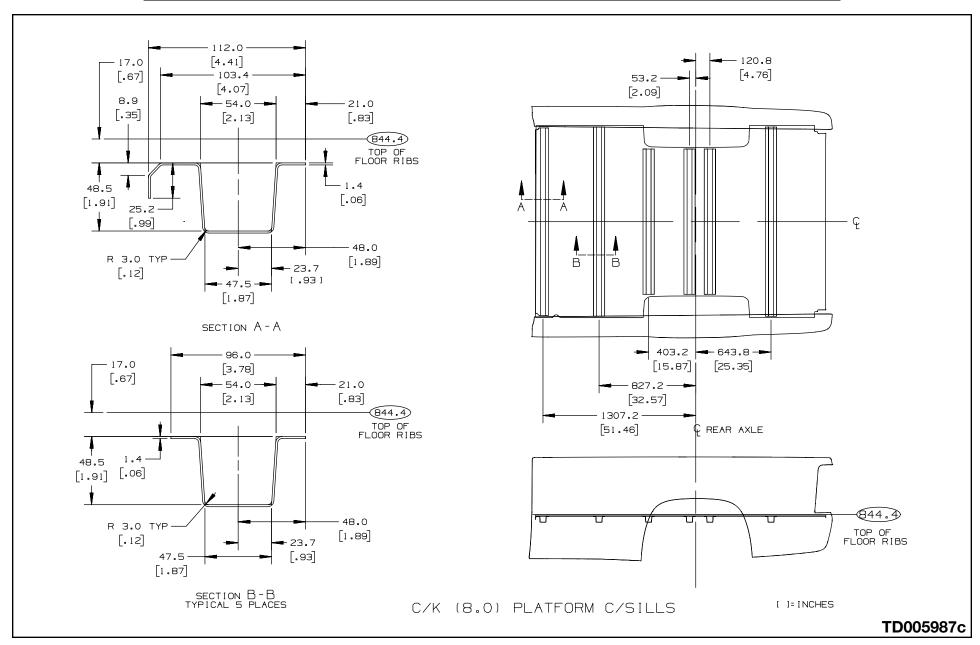
2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

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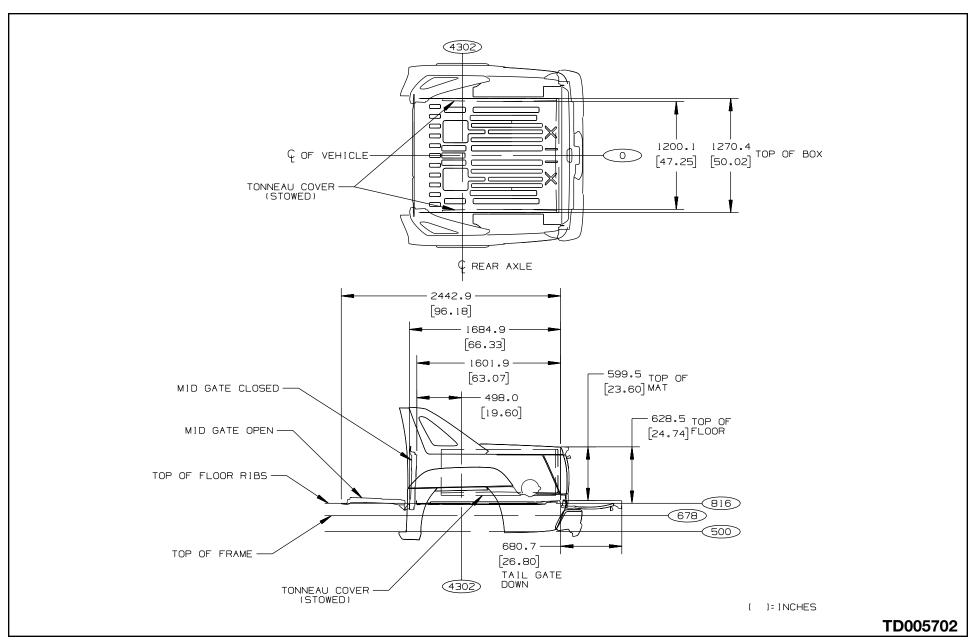
Platform Cross Sills - 6.5 Foot Pickup Box, Fleetside (RPO E63), Sportside/Stepside (RPO E62)



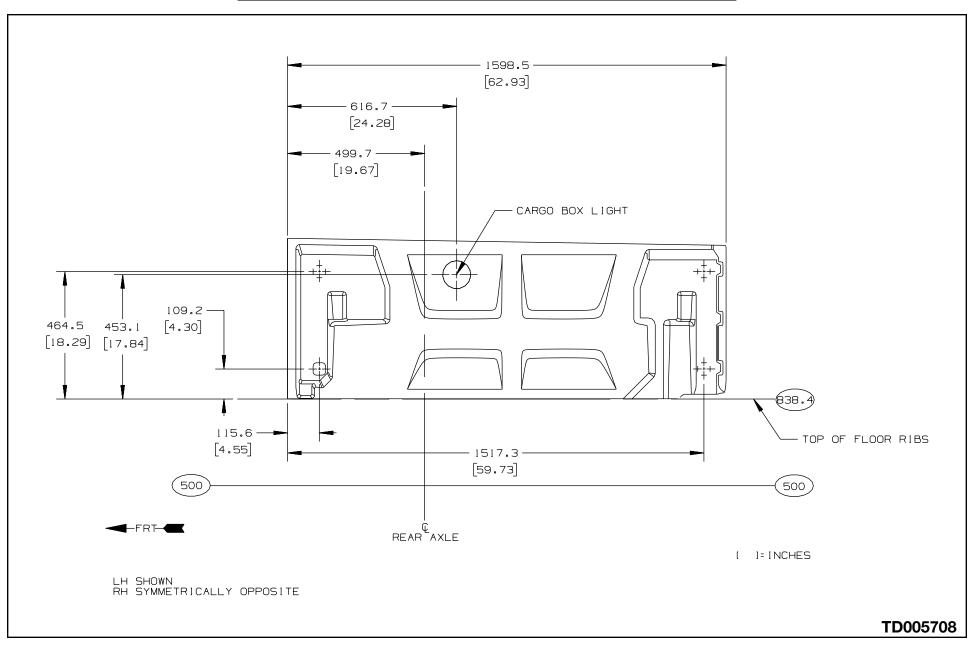
Platform Cross Sills – 8 Foot Pickup Box, Fleetside (RPO E63)



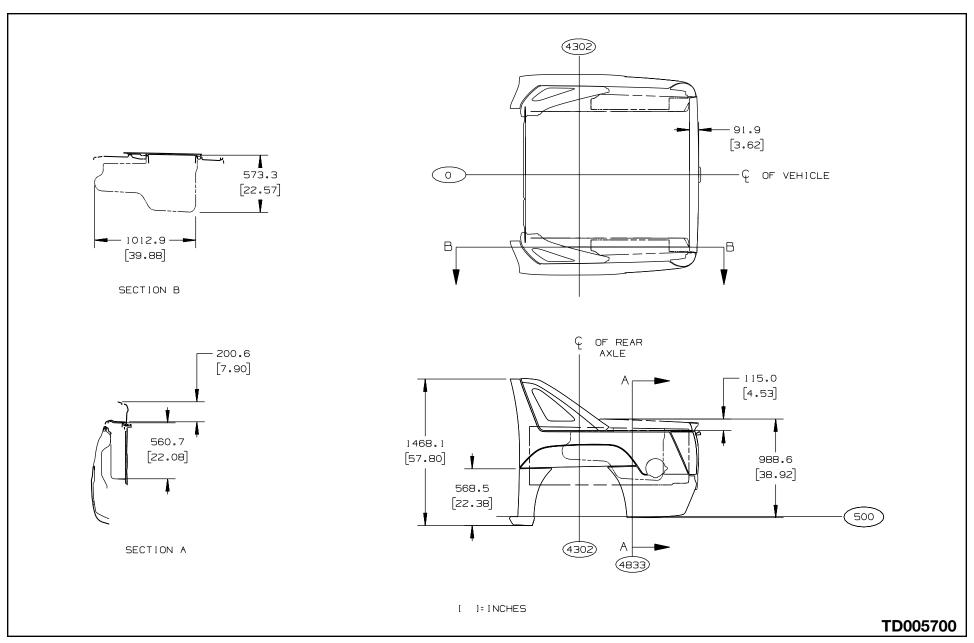
C/K (15/25)936 Cargo Area



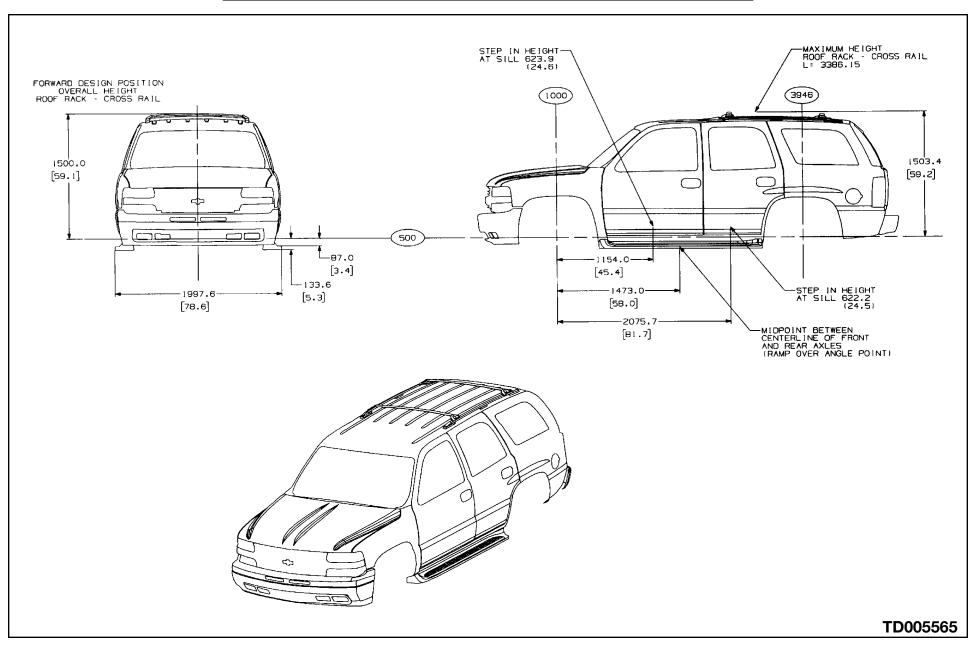
C/K (15/25)936 Cargo Area Inner Side Panel



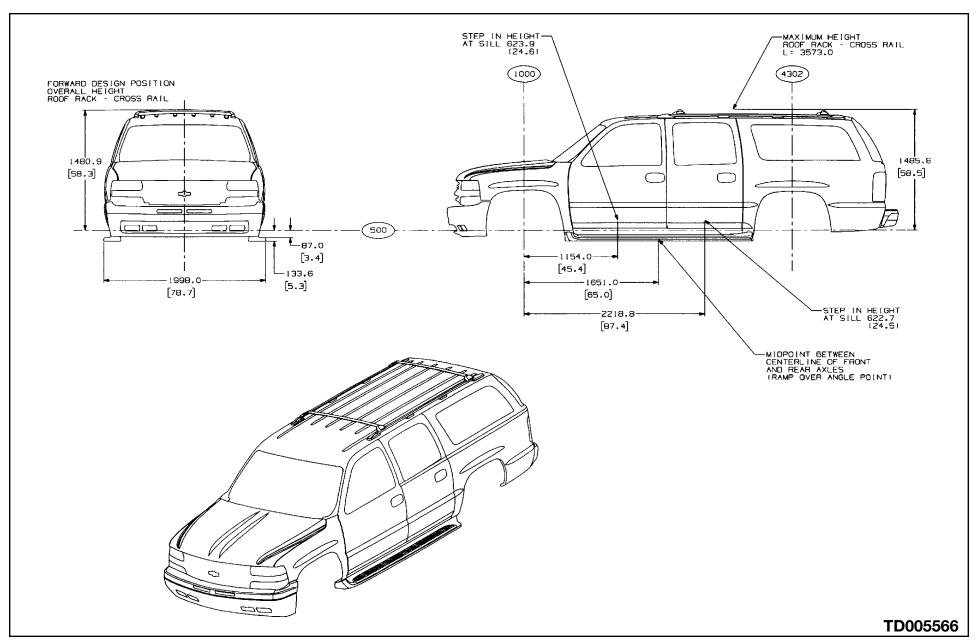
C/K (15/25)936 Side Storage Compartment



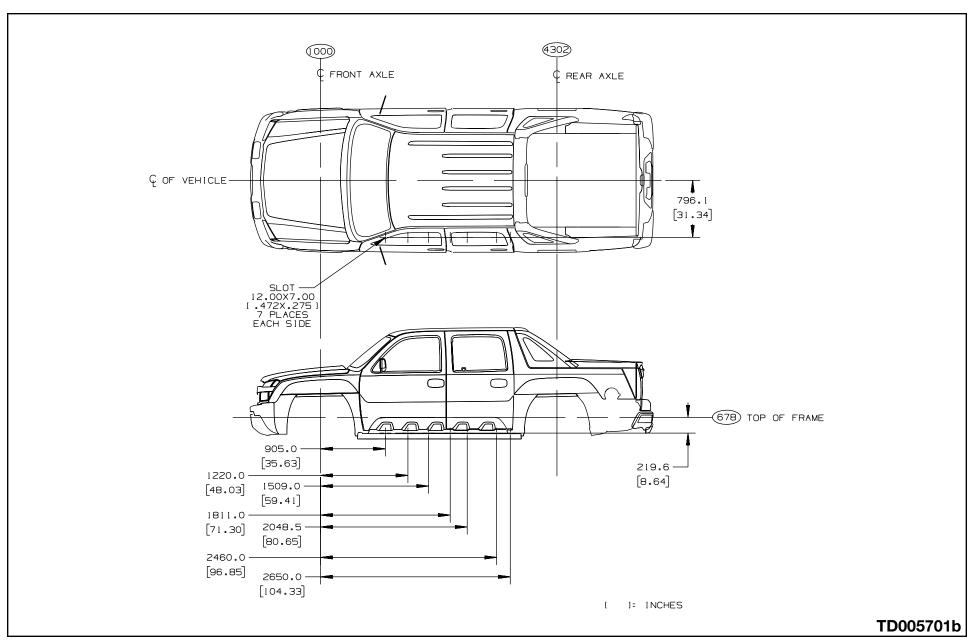
C/K 15706 Luggage Rack and Running Boards



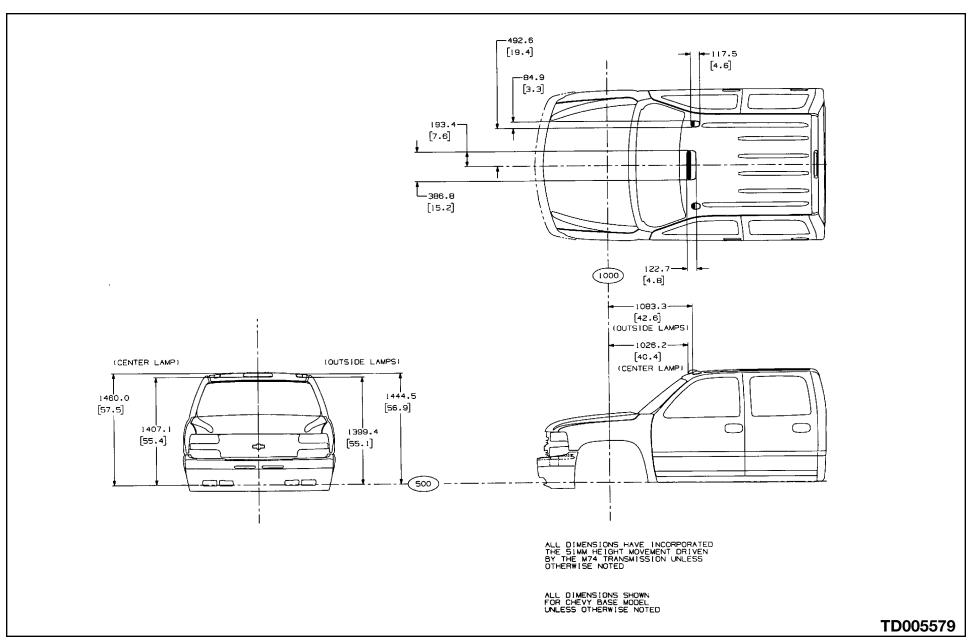
C/K (15/25)906 Luggage Rack and Running Boards



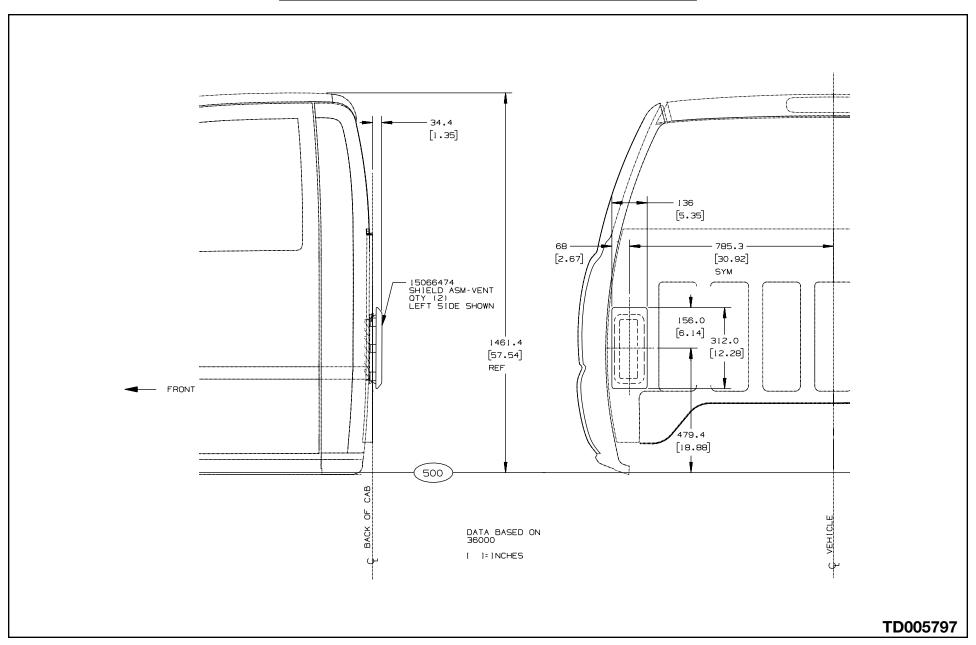
C/K (15/25)936 Running Board Mounting Location



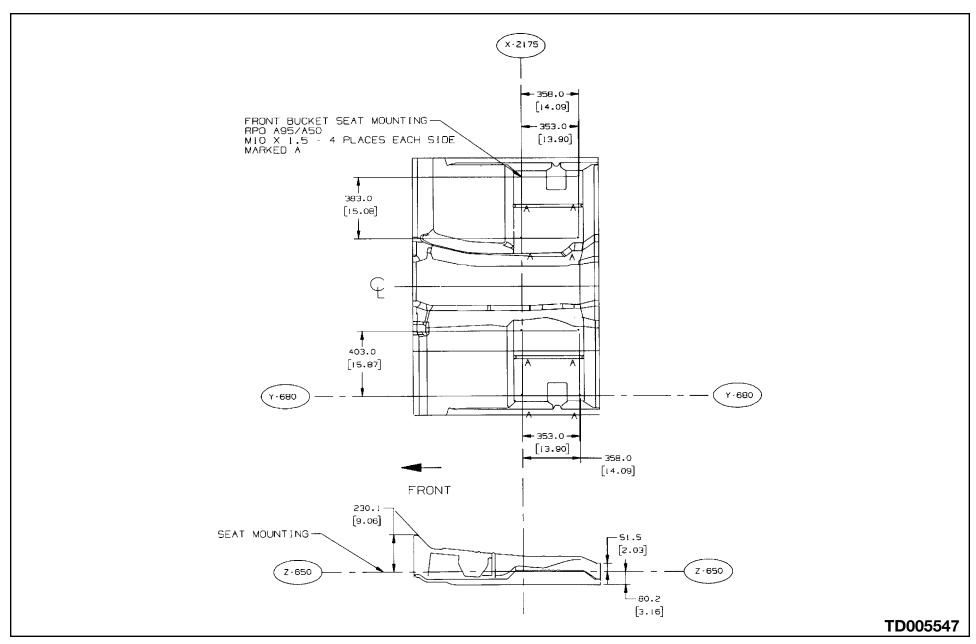
C/K (25HD/35/36) Clearance Lamps



C/K (36) Pressure Relief Valve Shield



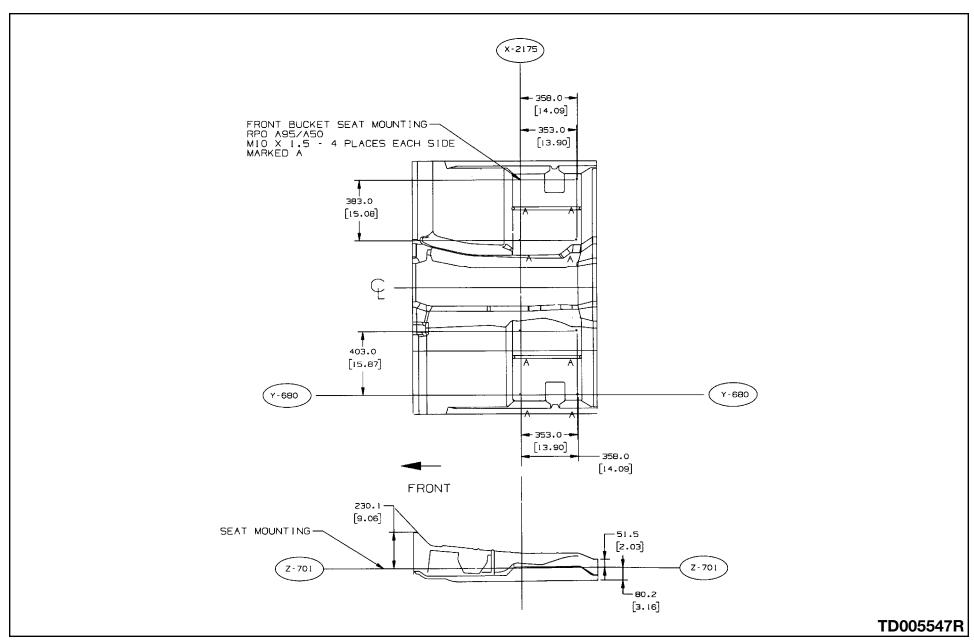
C/K (15/25) Front Floor Seat Mounting Location



2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)

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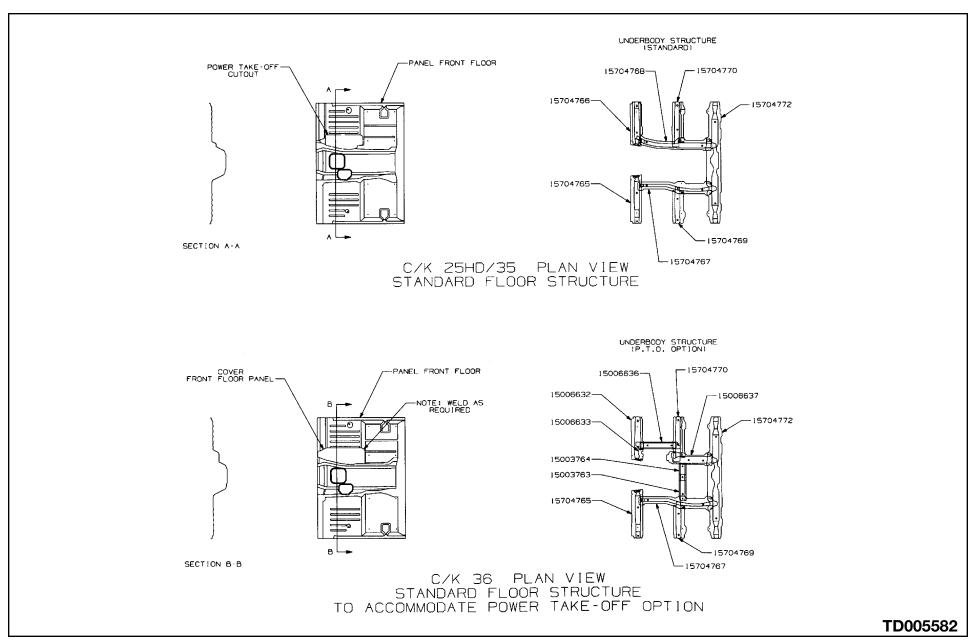
C/K (25HD/35/36) Front Floor Seat Mounting Location



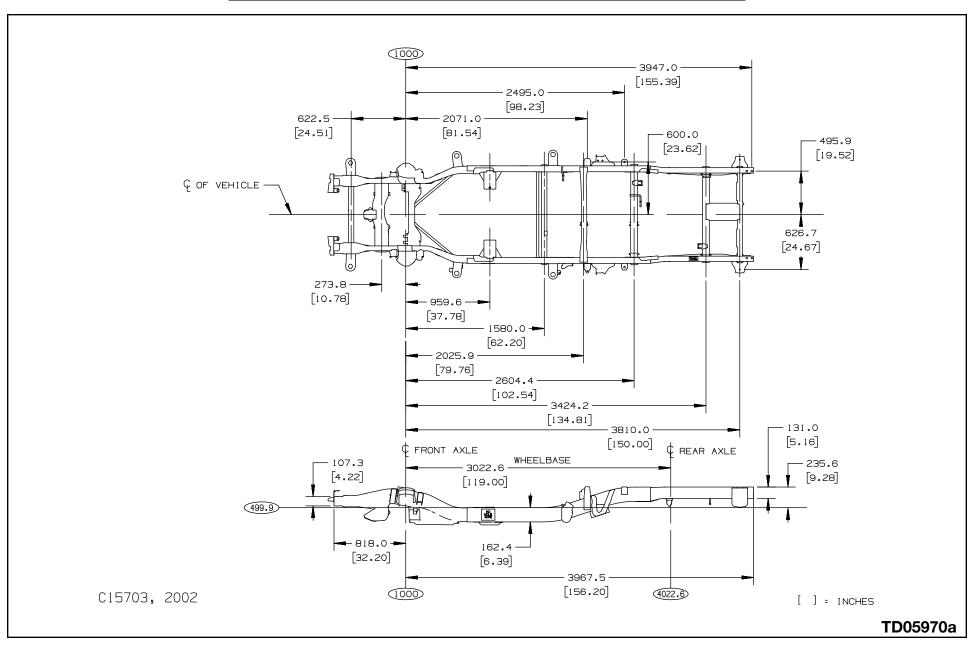
2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)



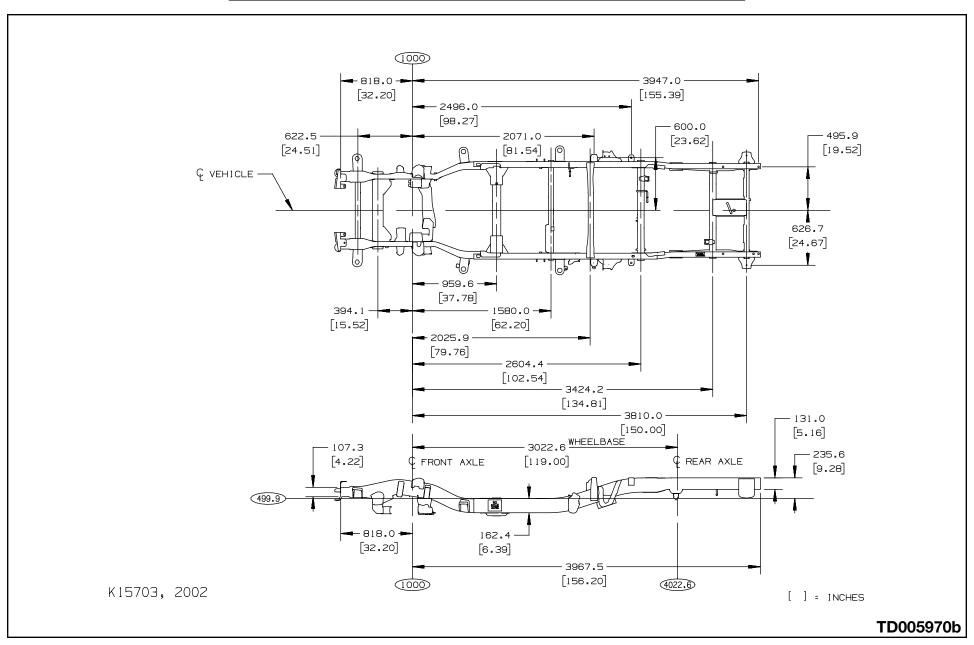
C/K (25HD/35/36) Front Floor Structure



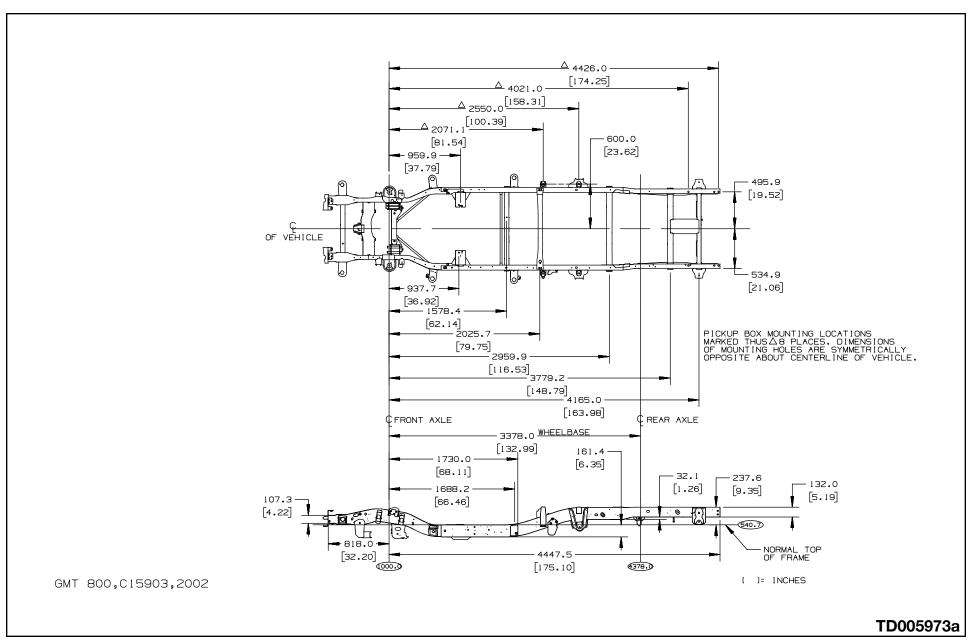
C 15703 Rail and Crossmember Arrangement



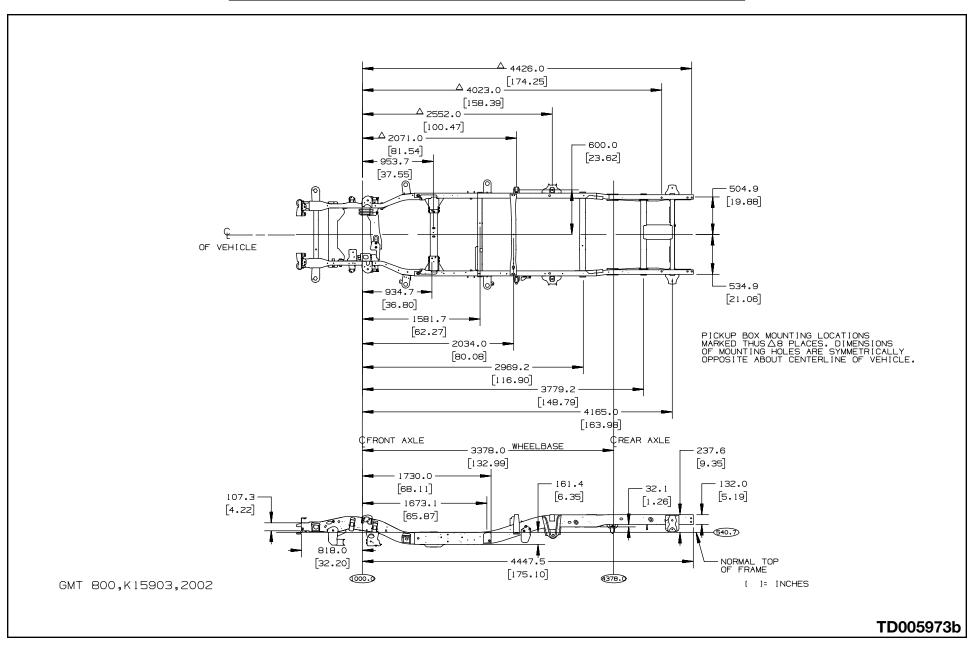
K 15703 Rail and Crossmember Arrangement



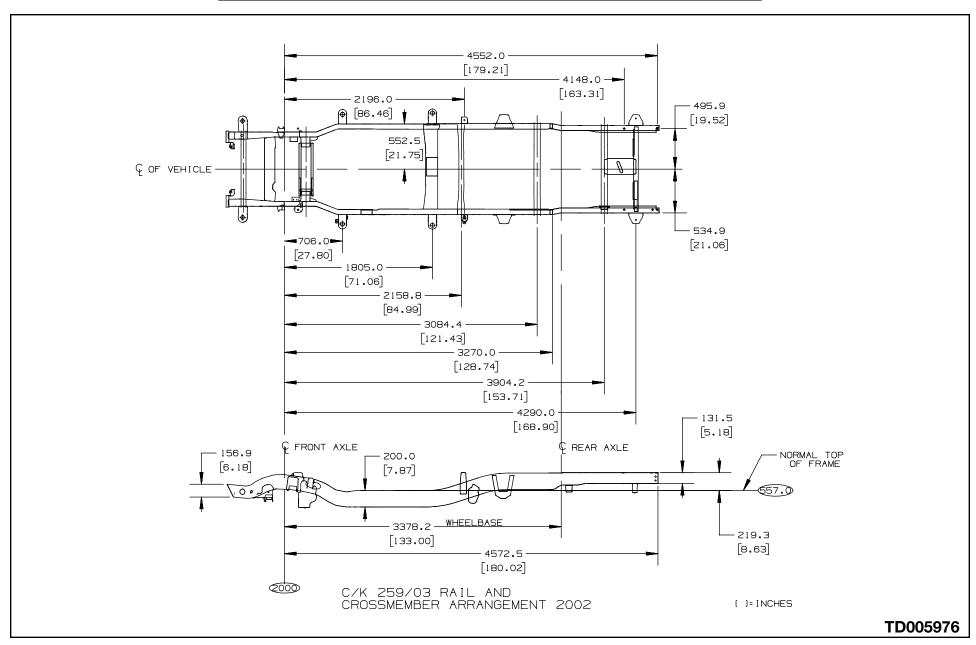
C 15903 Rail and Crossmember Arrangement



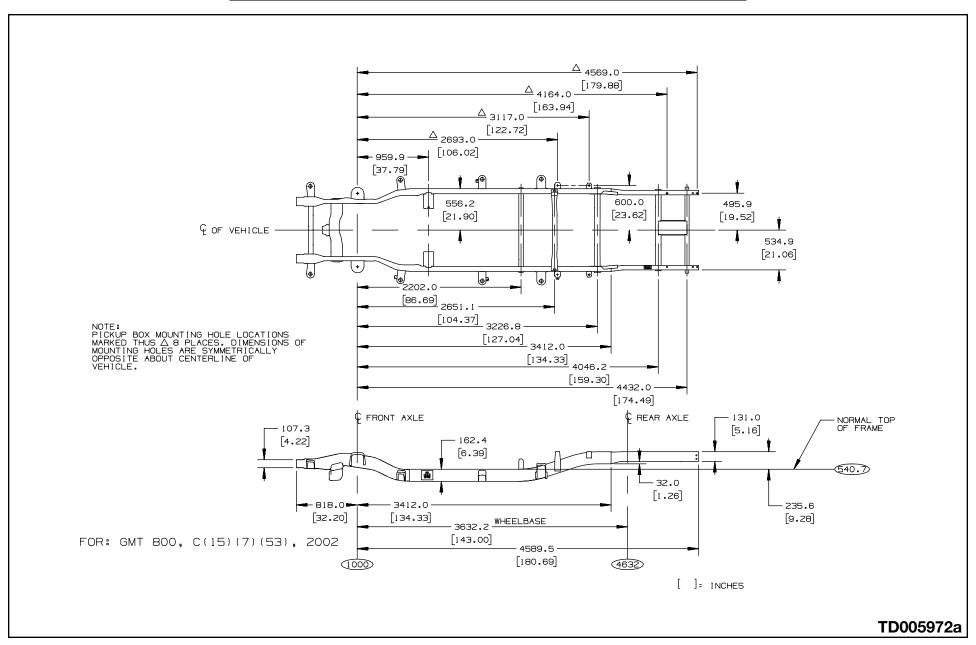
K 15903 Rail and Crossmember Arrangement



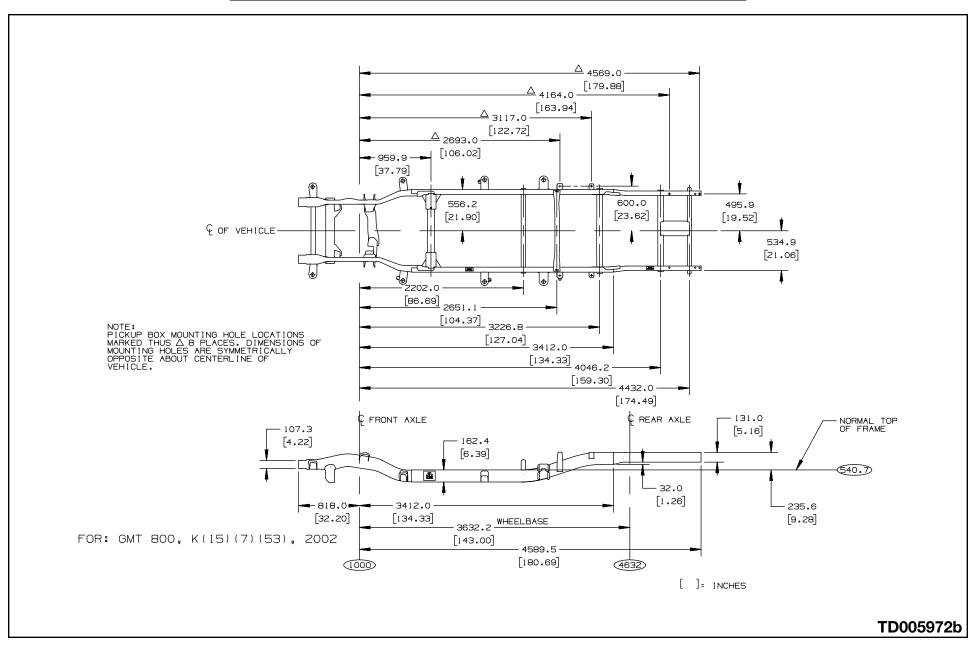
C/K 25903 Rail and Crossmember Arrangement



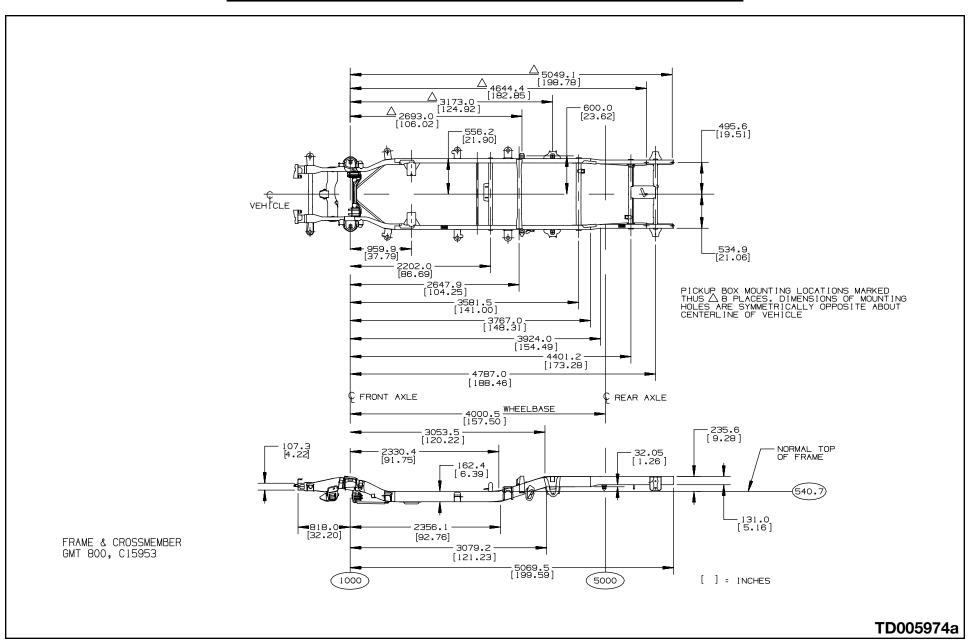
C 15753 Rail and Crossmember Arrangement



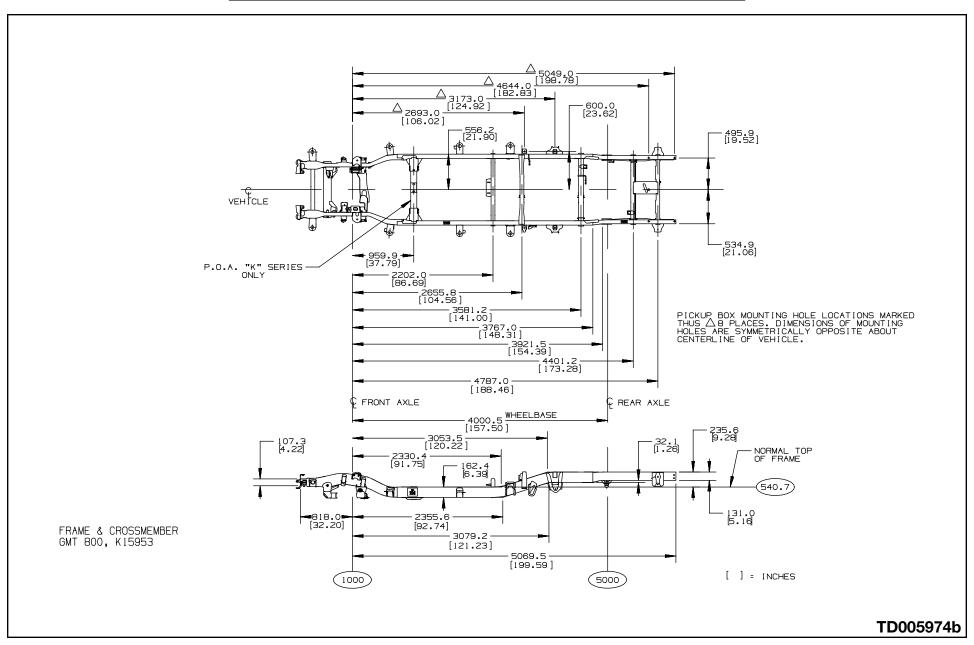
K 15753 Rail and Crossmember Arrangement



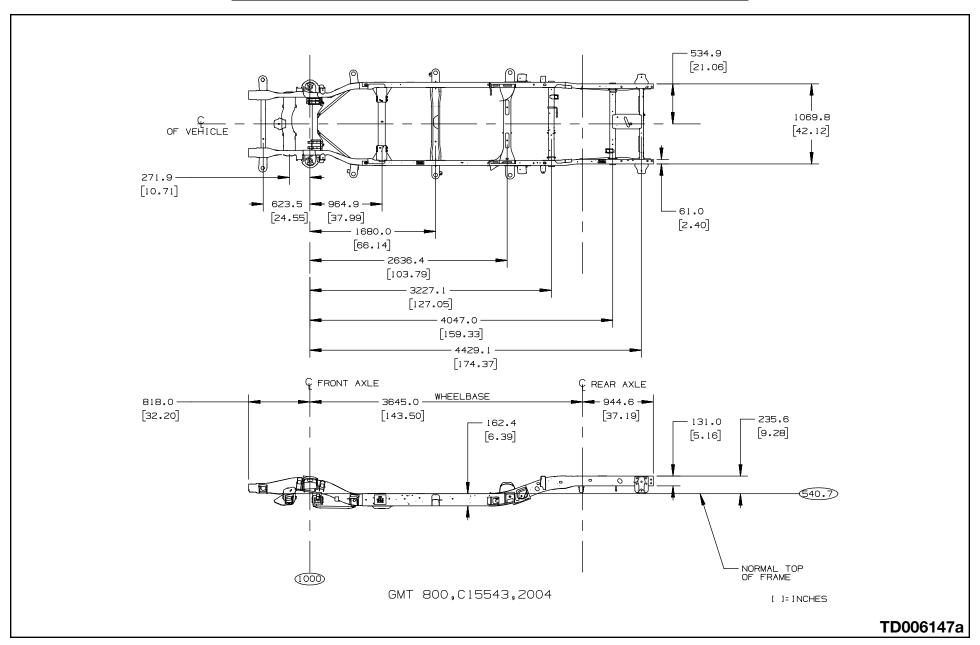
C 15953 Rail and Crossmember Arrangement



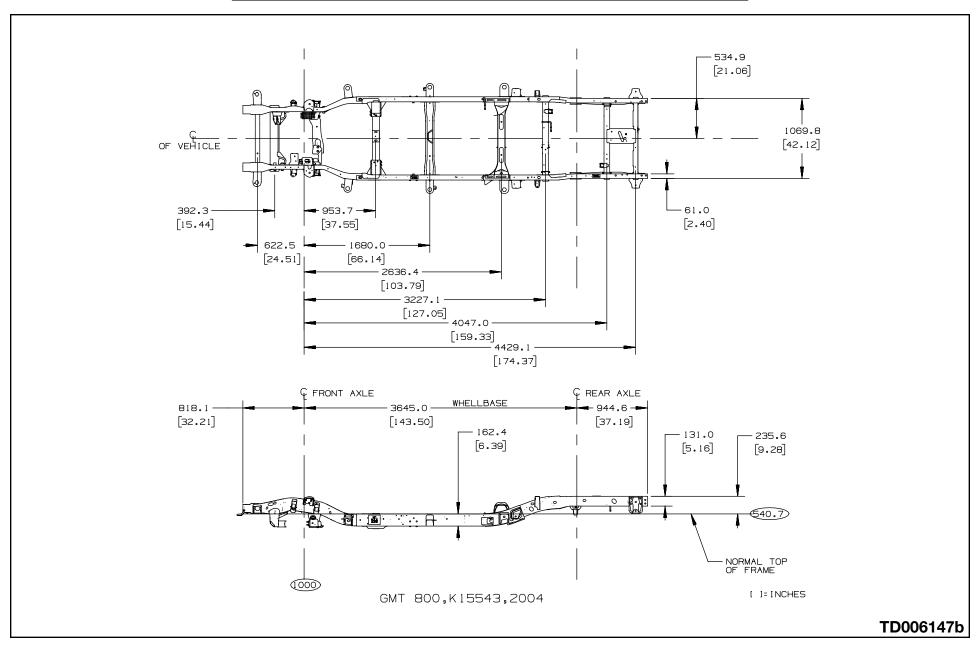
K 15953 Rail and Crossmember Arrangement



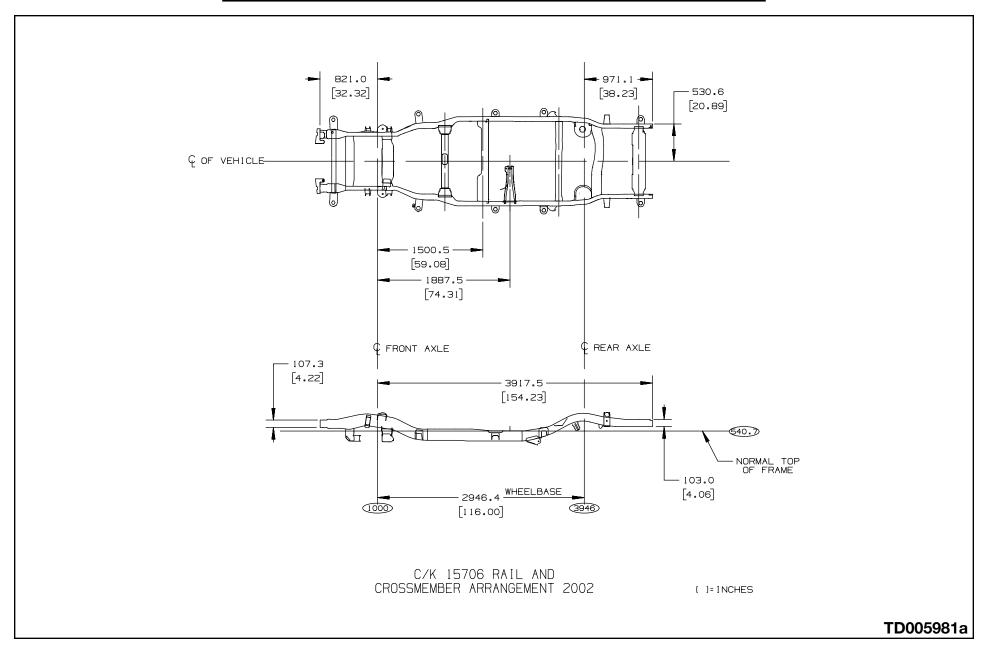
C 15543 Rail and Crossmember Arrangement



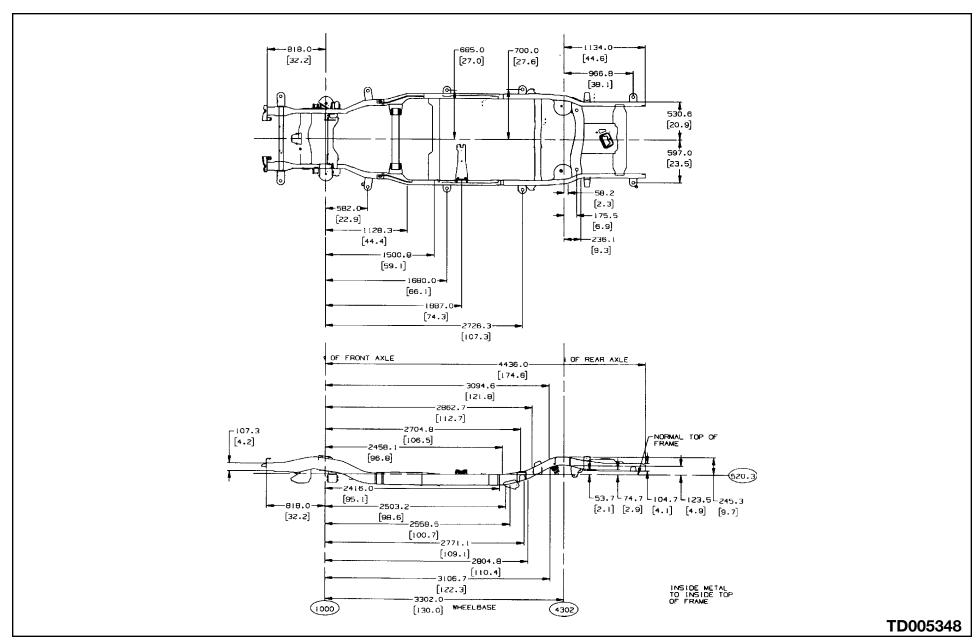
K 15543 Rail and Crossmember Arrangement



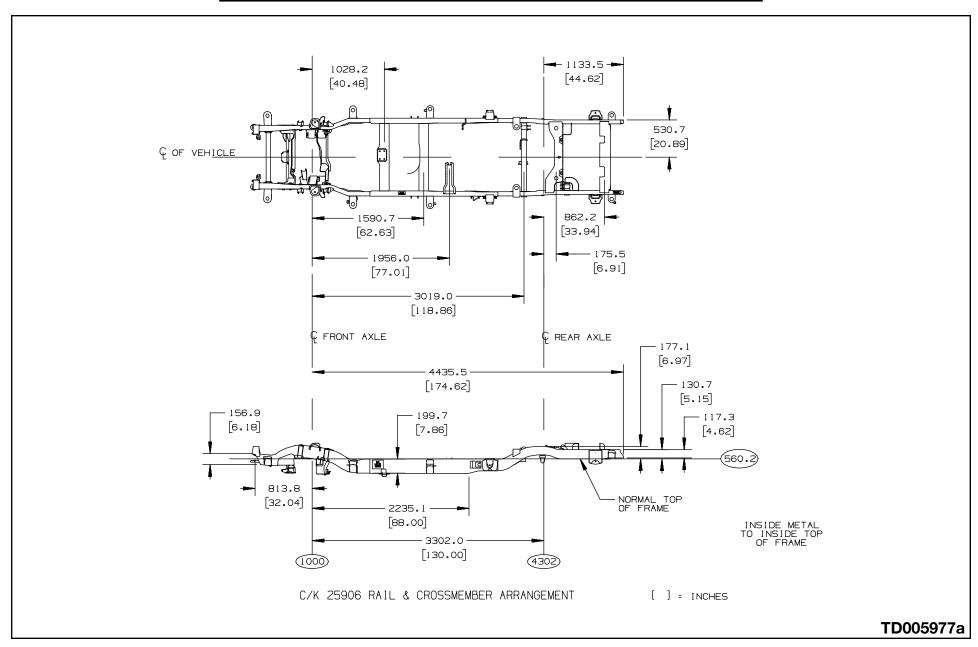
C/K 15706 Rail and Crossmember Arrangement



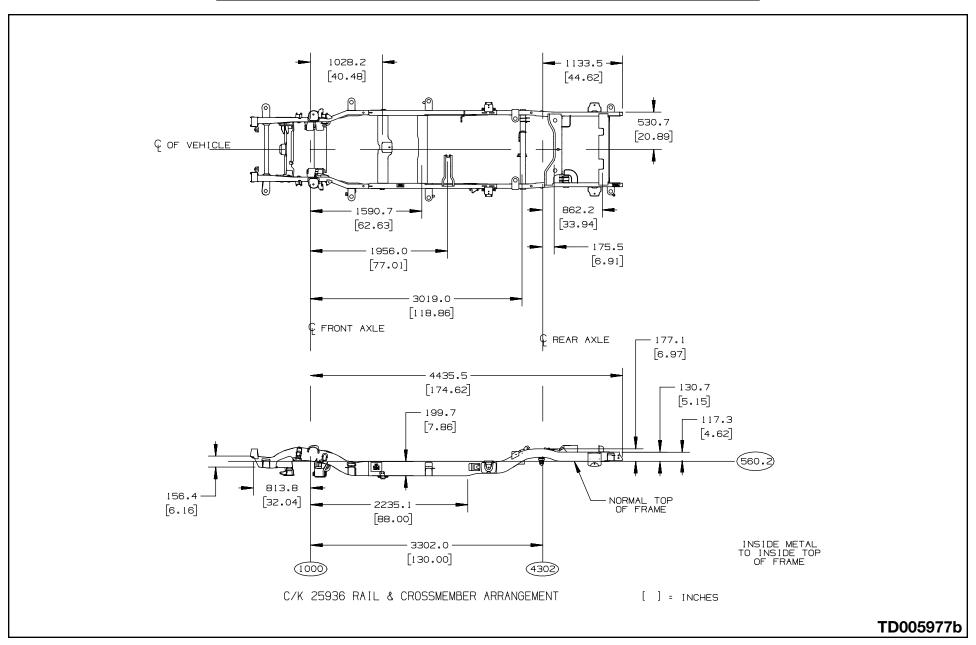
C/K 15906 Rail and Crossmember Arrangement



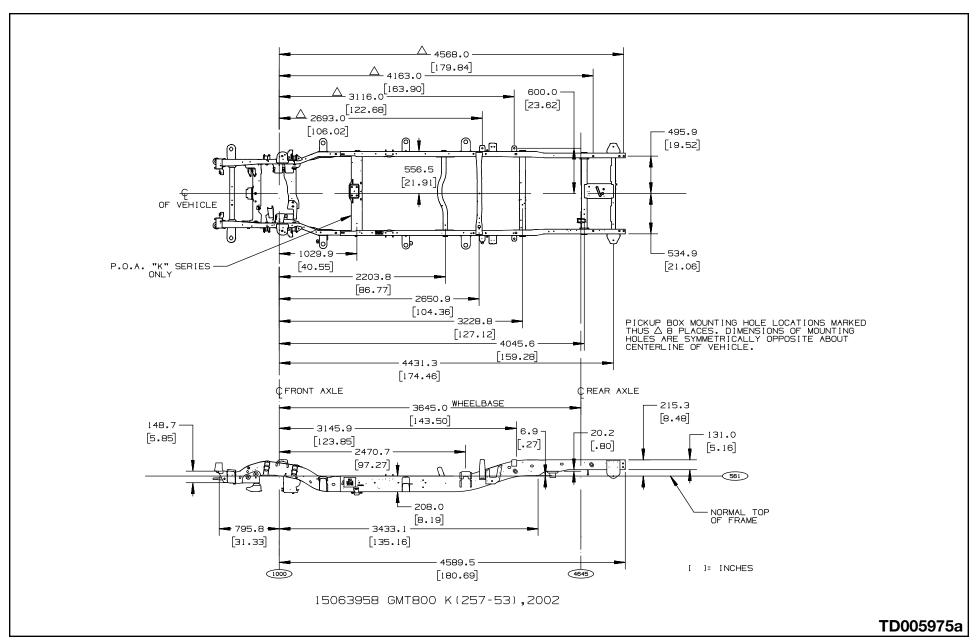
C/K 25906 Rail and Crossmember Arrangement



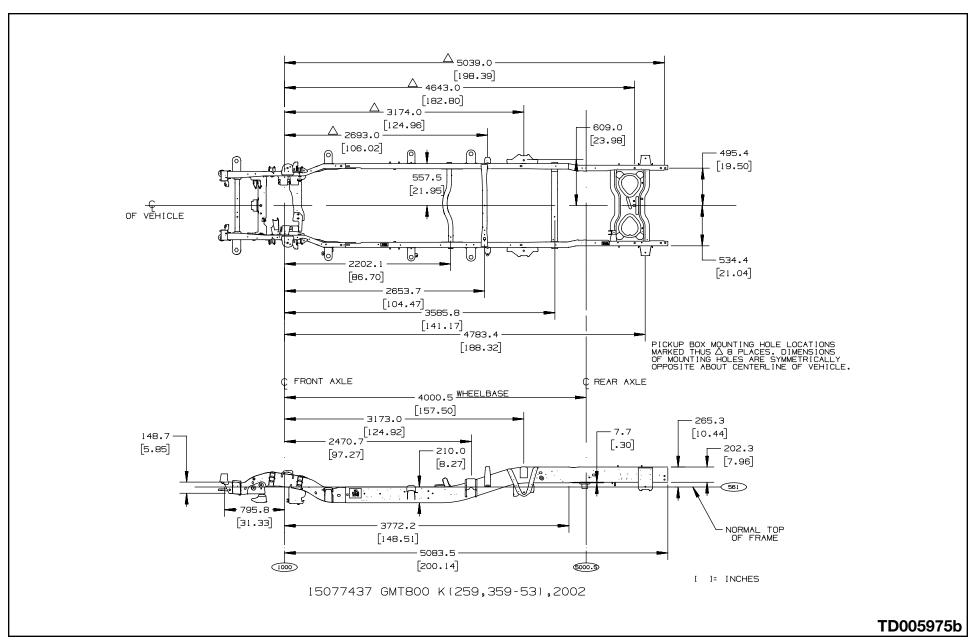
C/K 25936 Rail and Crossmember Arrangement



C/K 25753 Rail and Crossmember Arrangement

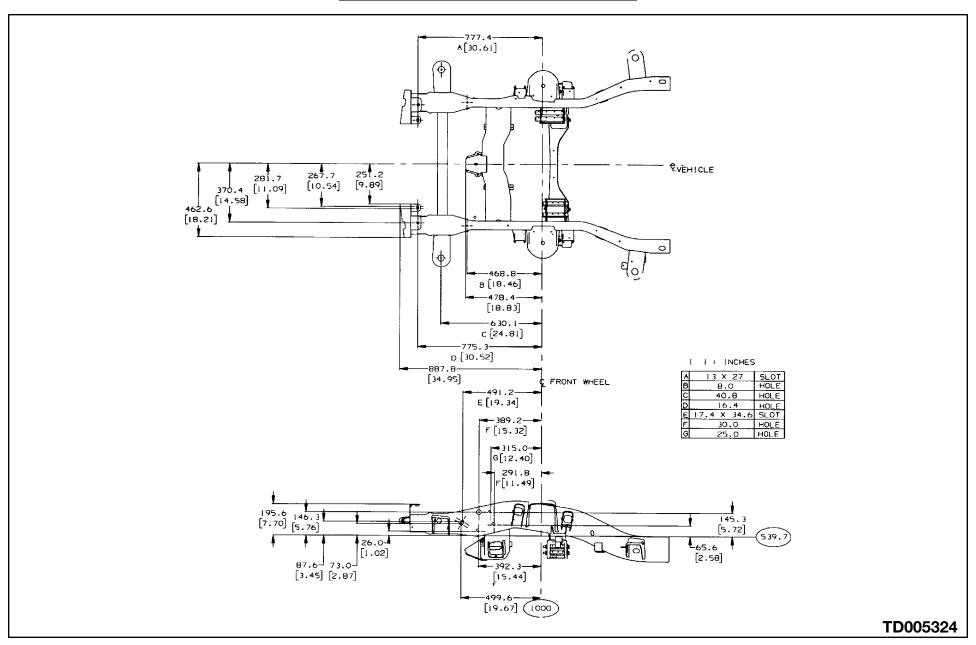


C/K 25953 Rail and Crossmember Arrangement



2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

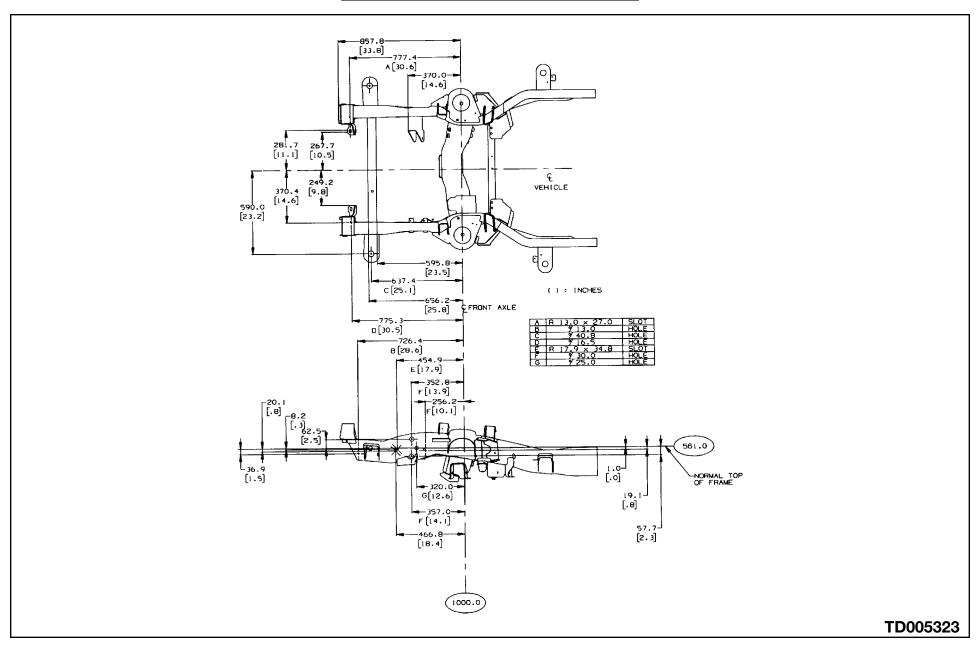
C (15) Front Frame Pickup



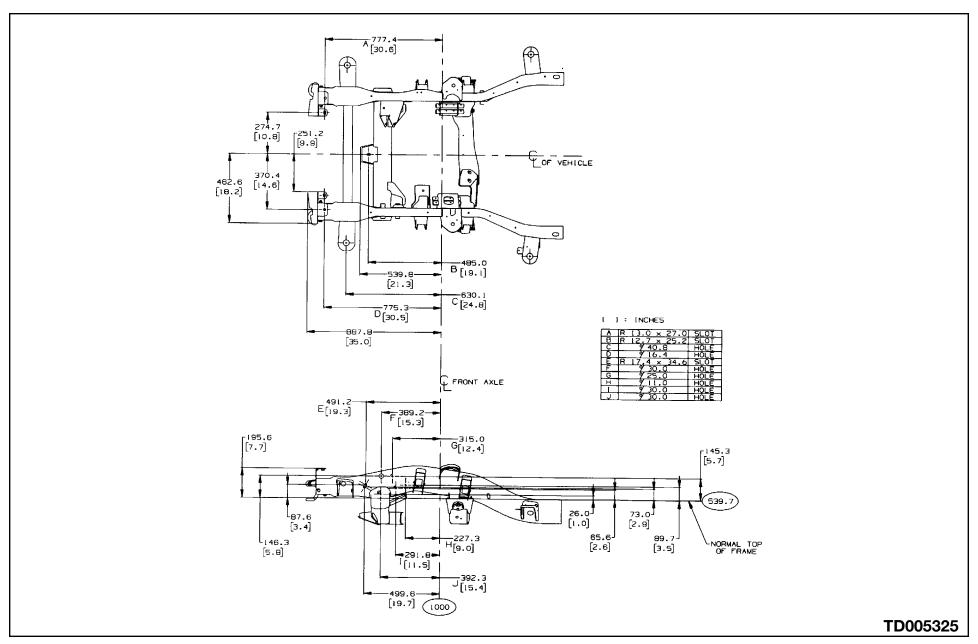
2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)

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C (25) Front Frame Pickup



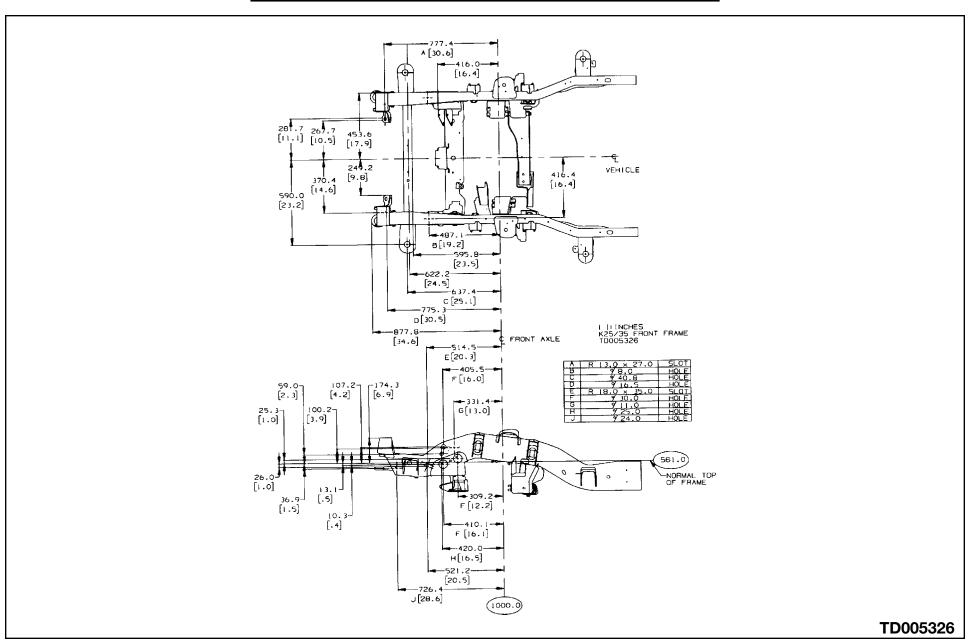
K (15) Pickup C/K (15) Utility Front Frame



2005 & Beyond C/K Full Size Trucks (Pickups, Utilities and Chassis-Cabs)

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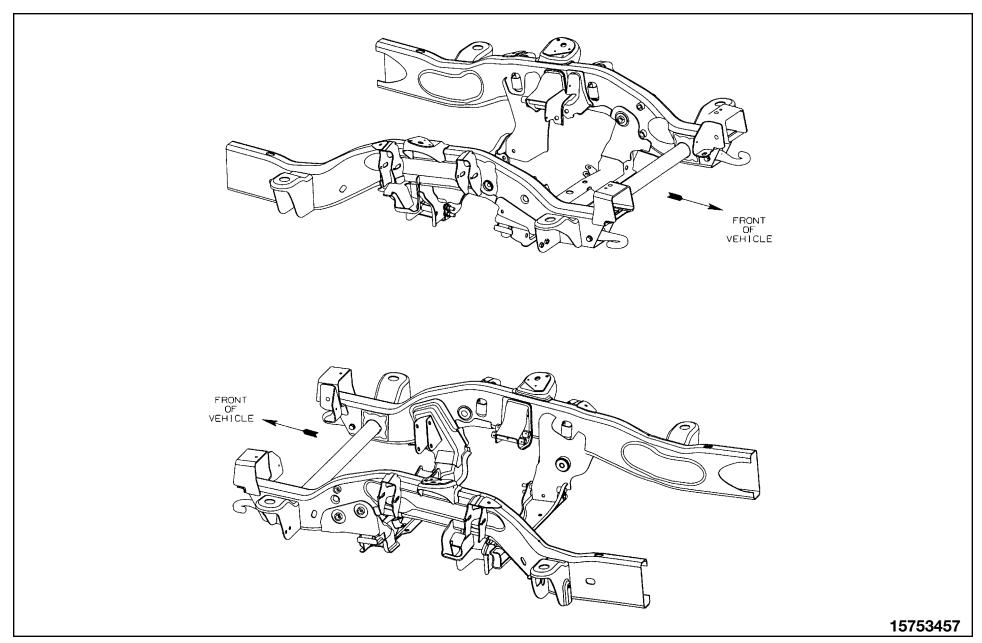
K (25) Pickup C/K (25) Utility Front Frame



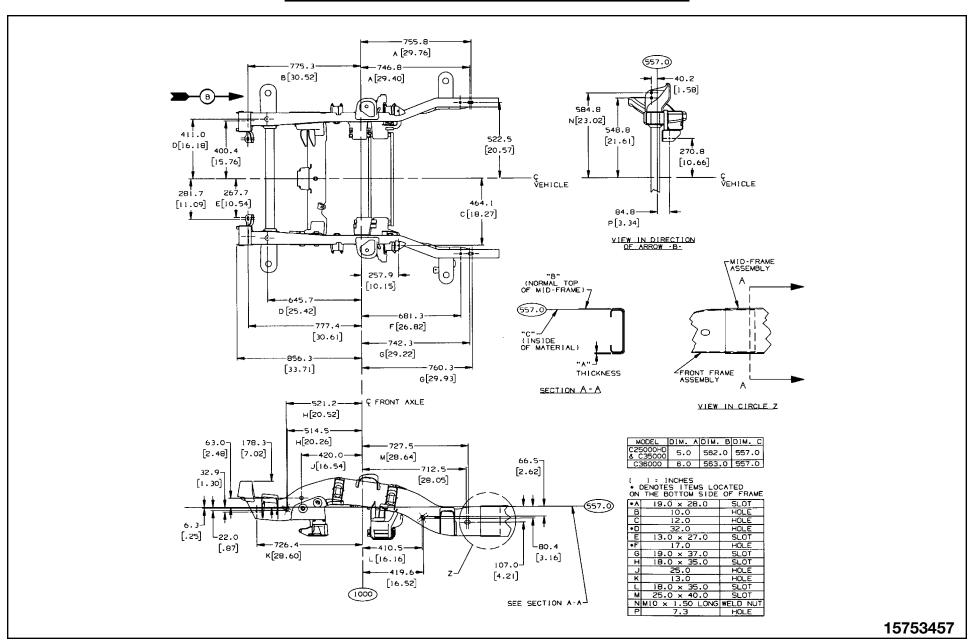
2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

8 133

C/K (25HD/35/36) Front Frame

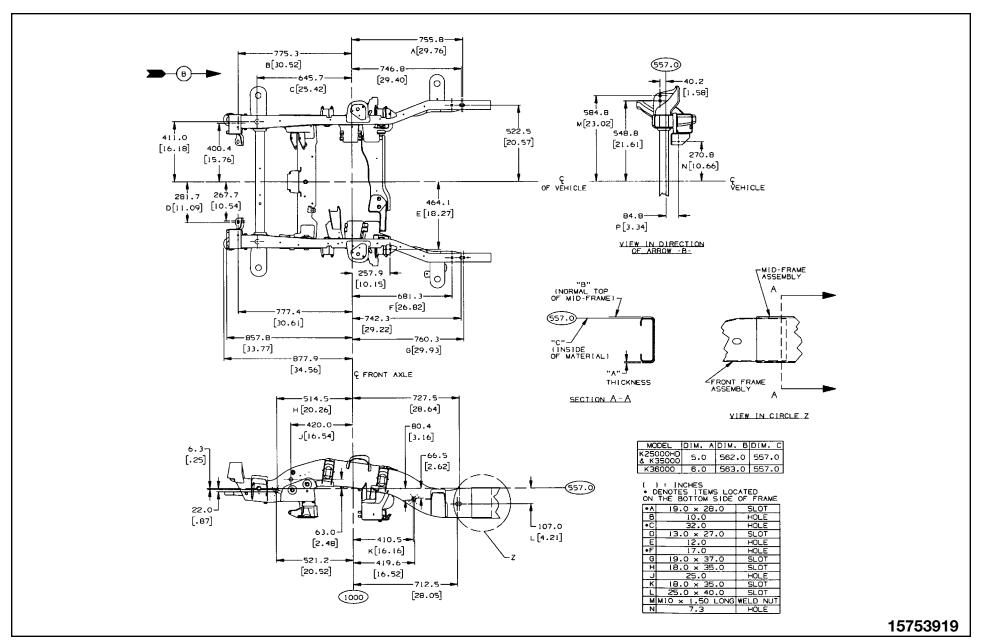


C (25HD/35/36) Front Frame W/Dim



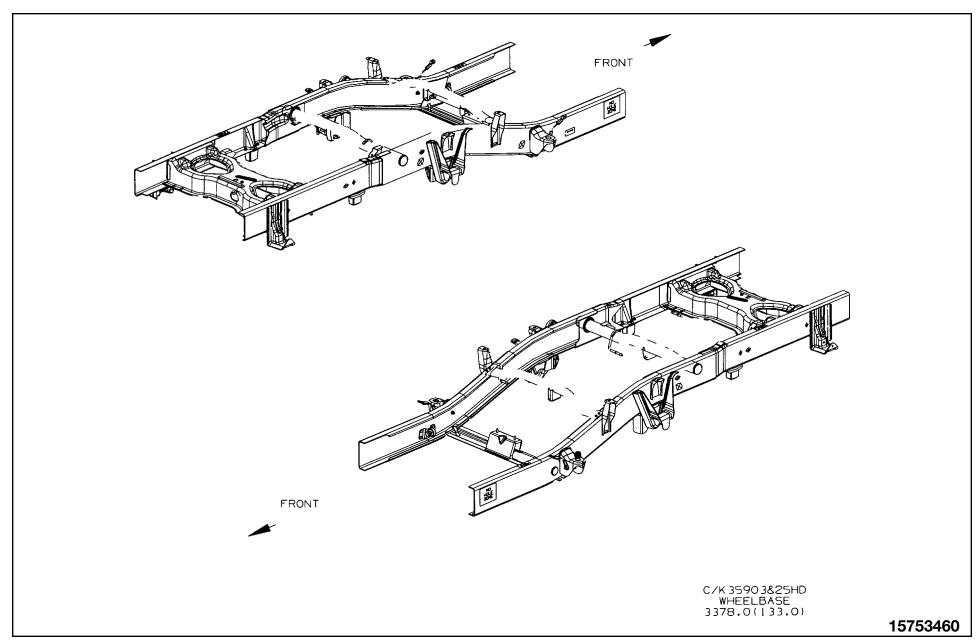
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K (25HD/35/36) Front Frame W/Dim



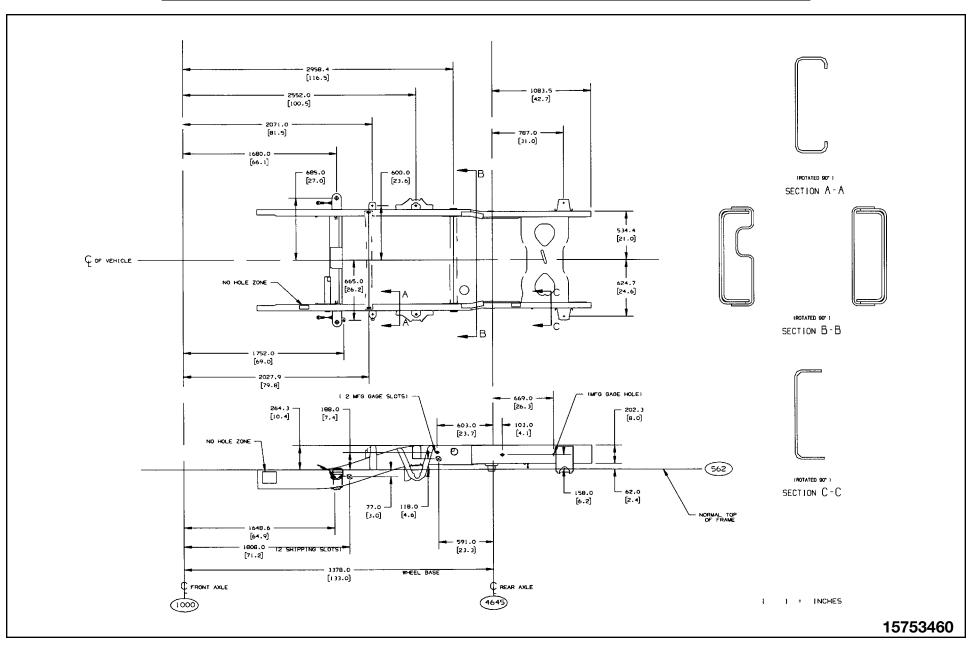
遺 136

C/K (25HD/K35)903 Intermediate and Rear Frame

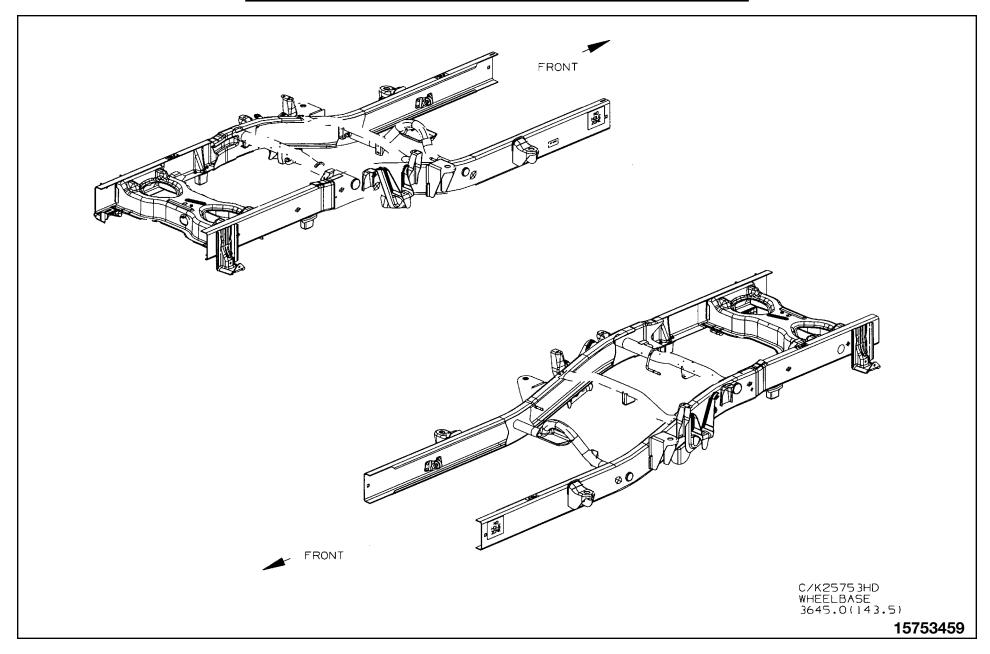


월 137

C/K (25HD/K35)903 Intermediate and Rear Frame W/Dim

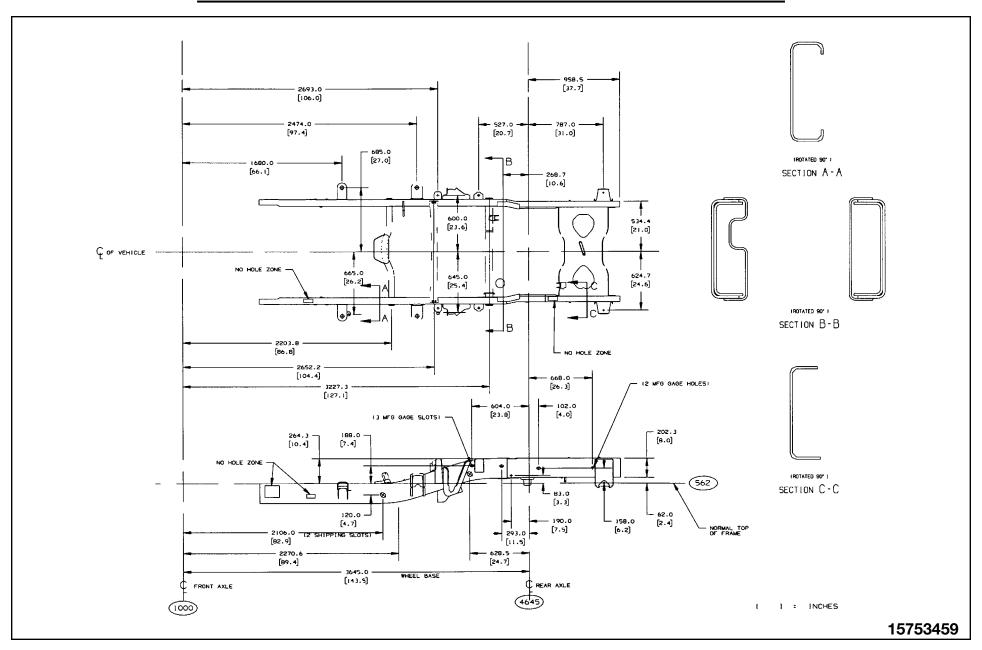


C/K 25753 HD Intermediate and Rear Frame



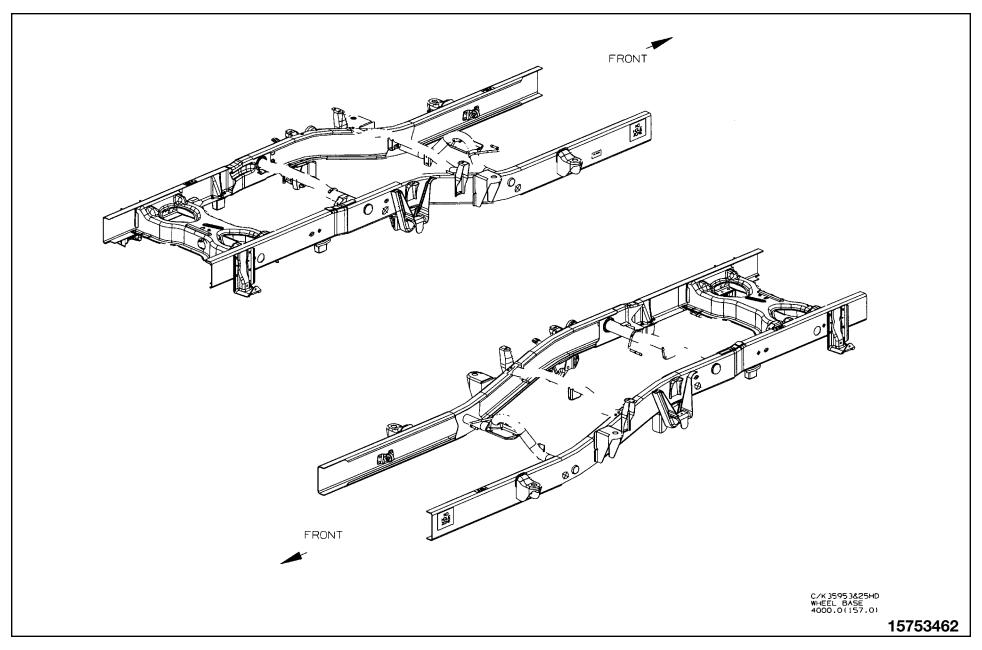
139

C/K 25753 HD Intermediate and Rear Frame W/Dim

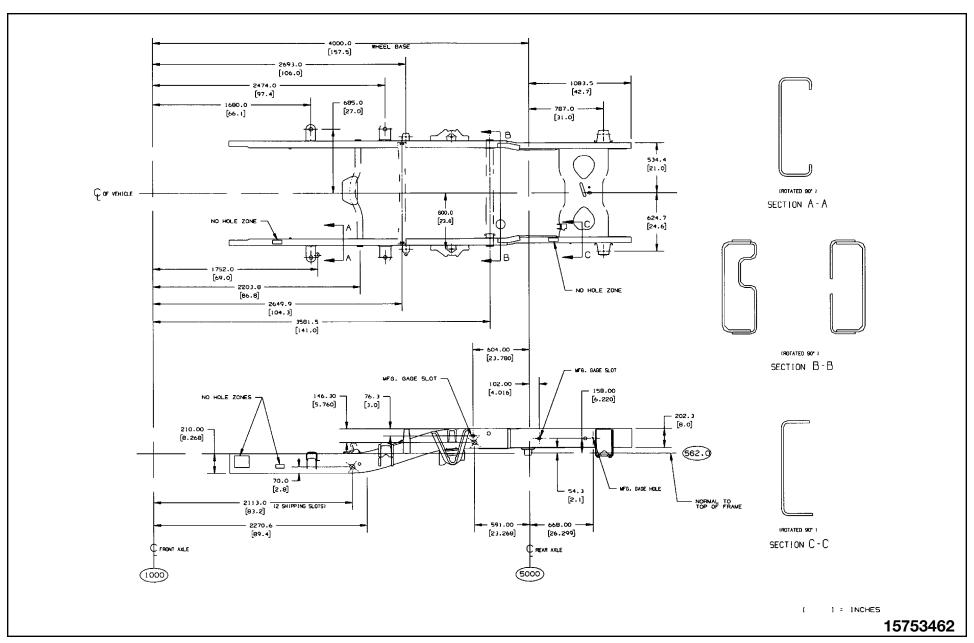


B 140

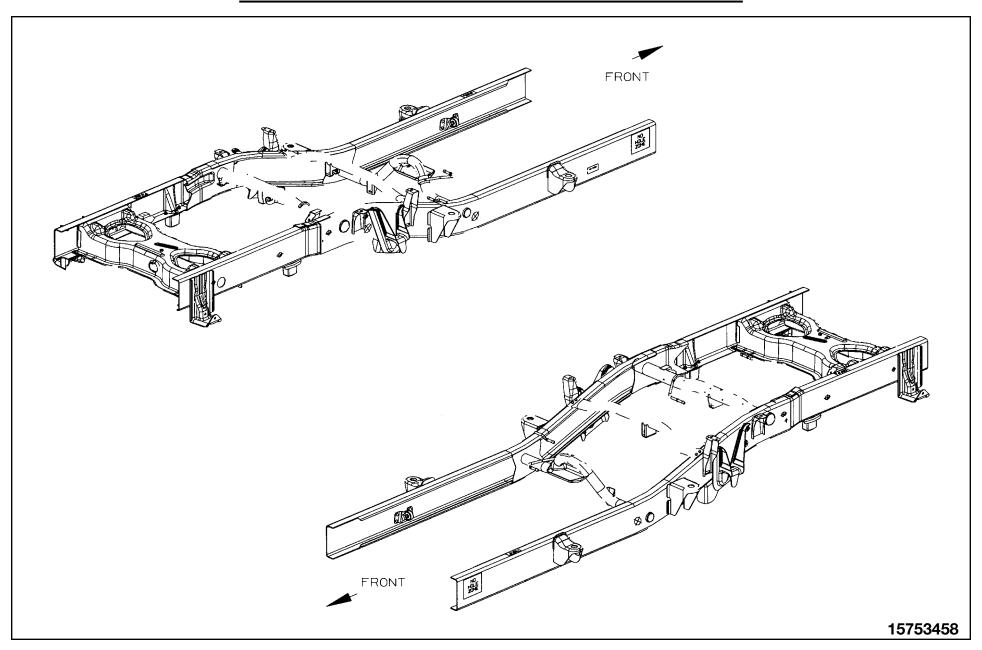
C/K (25HD/35)953 Intermediate and Rear Frame



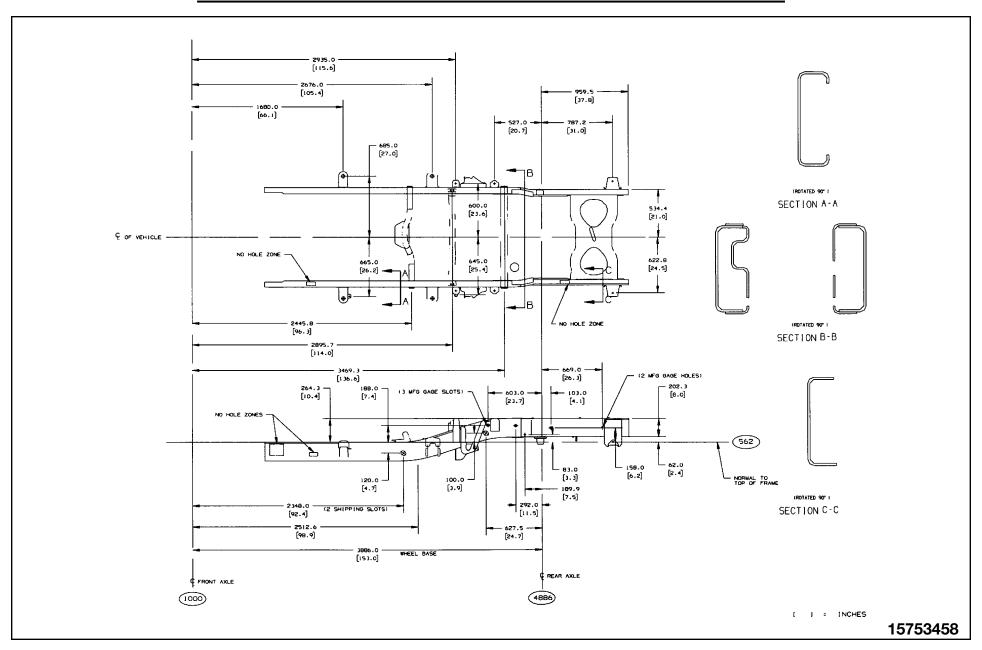
C/K (25HD/35)953 Intermediate and Rear Frame W/Dim



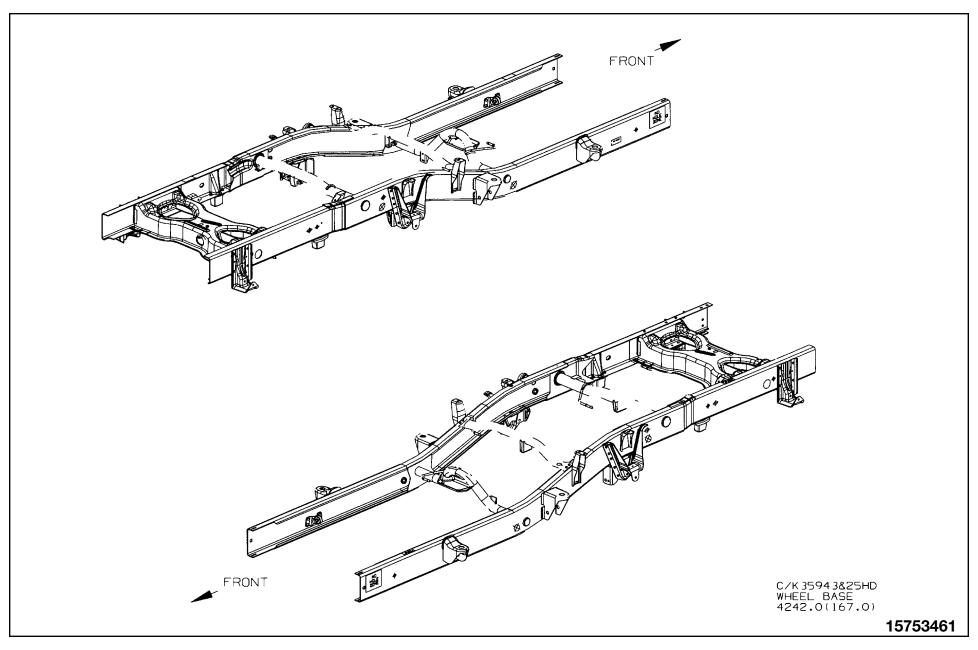
C/K 25743 HD Intermediate and Rear Frame



C/K 25743 HD Intermediate and Rear Frame W/Dim

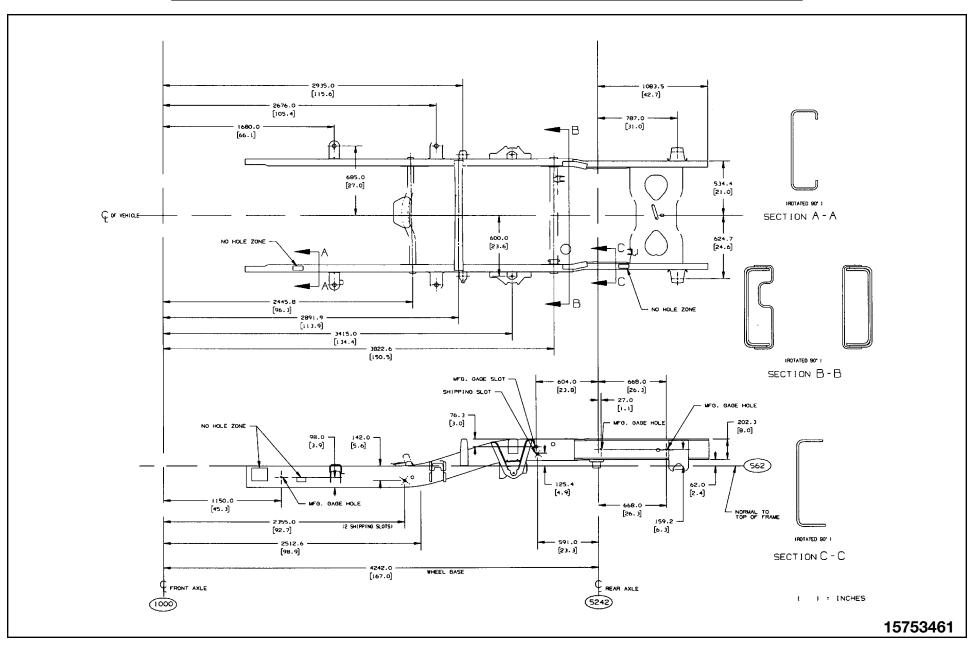


C/K (25HD/35)943 Intermediate and Rear Frame

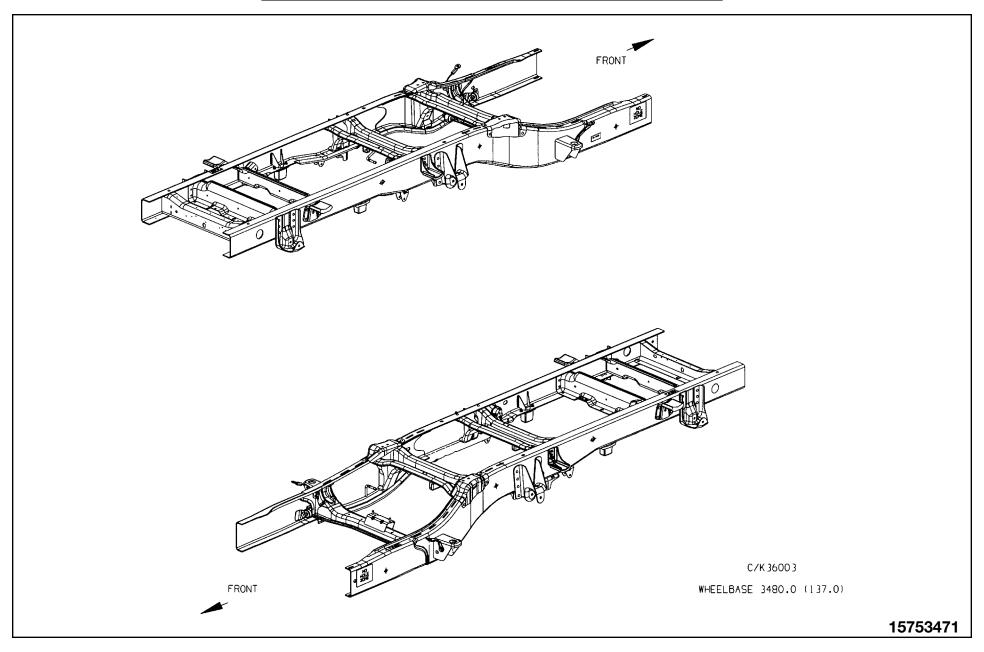


145

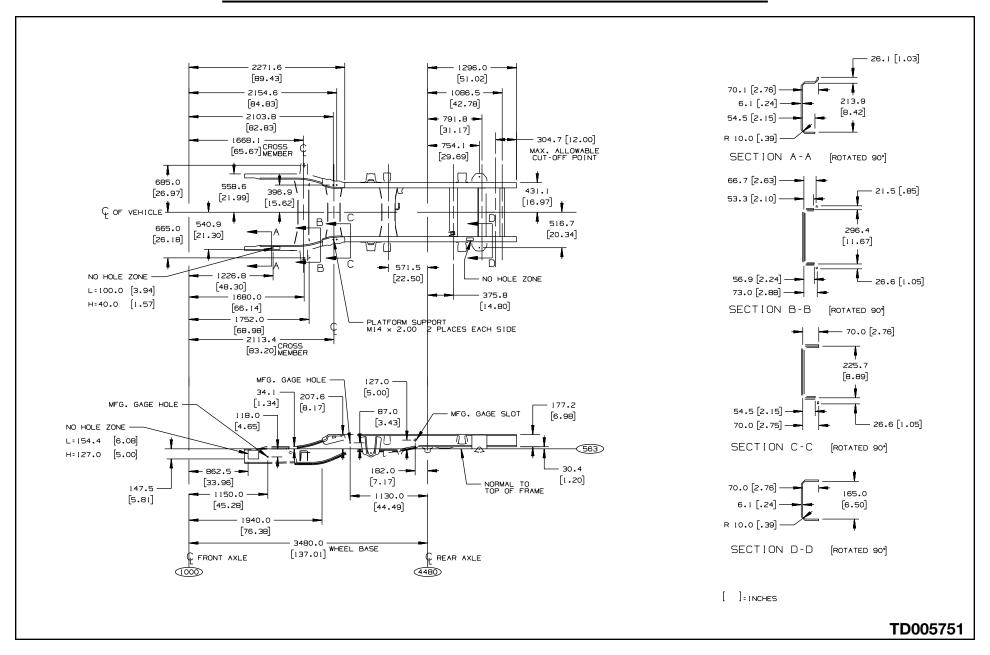
C/K (25HD/35)943 Intermediate and Rear Frame W/Dim



C/K 36003 Intermediate and Rear Frame

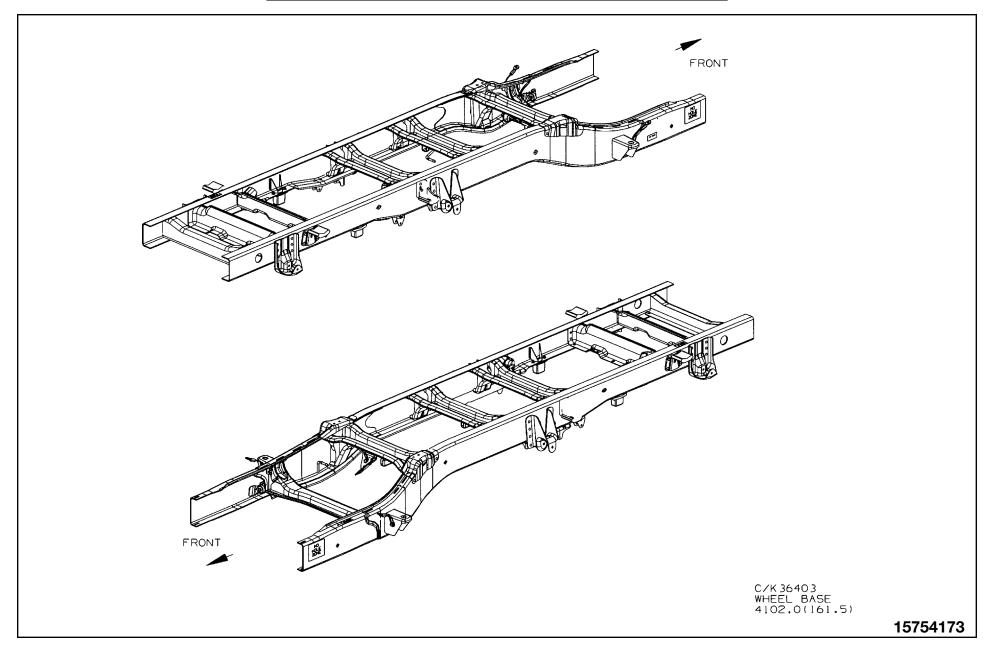


C/K 36003 Intermediate and Rear Frame W/Dim



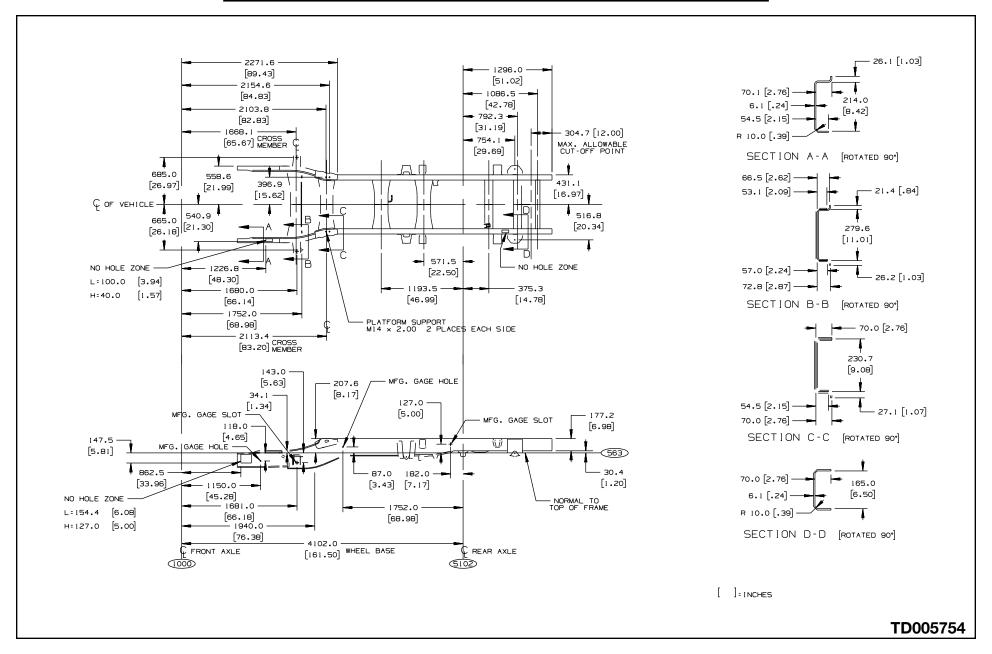
148

C/K 36403 Intermediate and Rear Frame



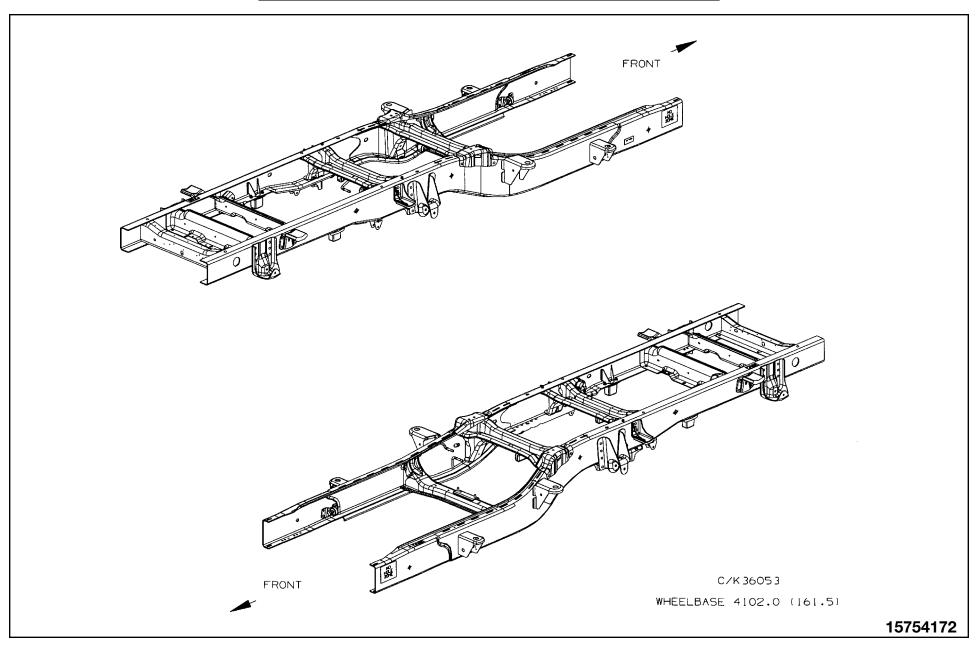
149

C/K 36403 Intermediate and Rear Frame W/Dim

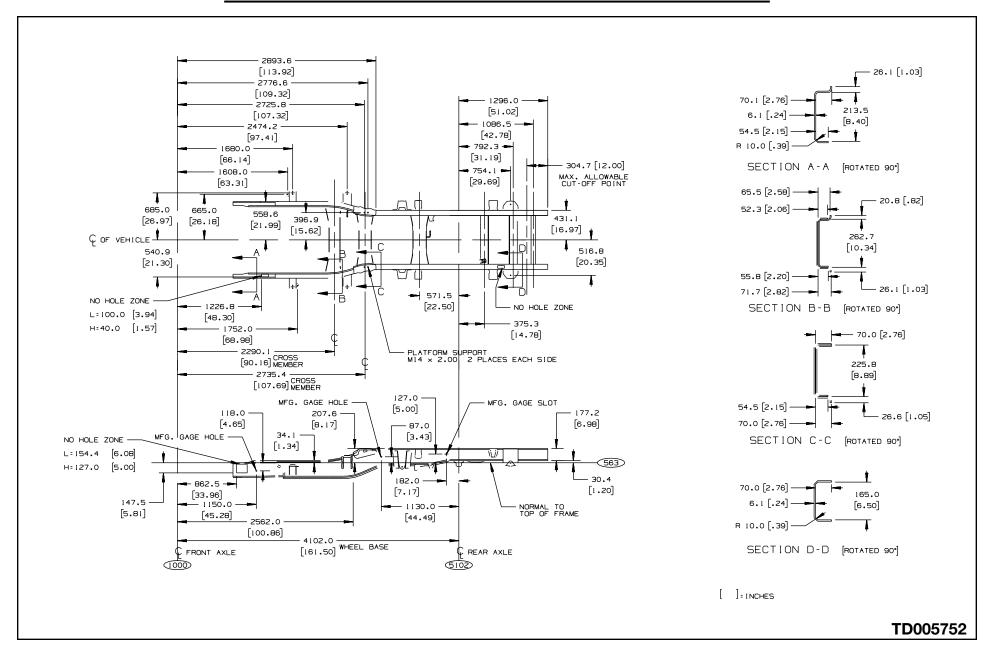


8 150

C/K 36053 Intermediate and Rear Frame

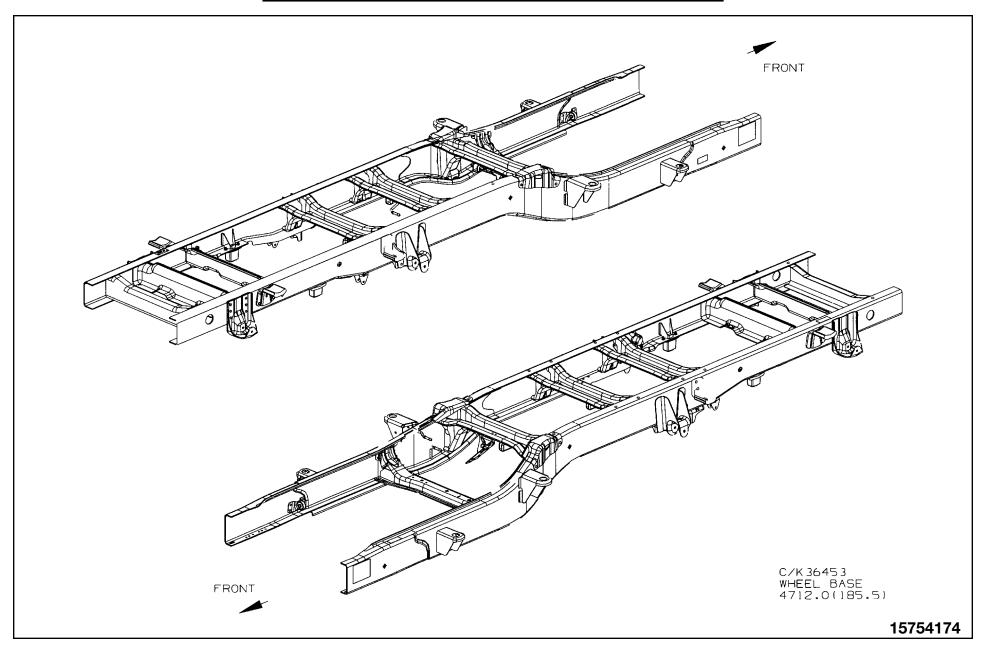


C/K 36053 Intermediate and Rear Frame W/Dim

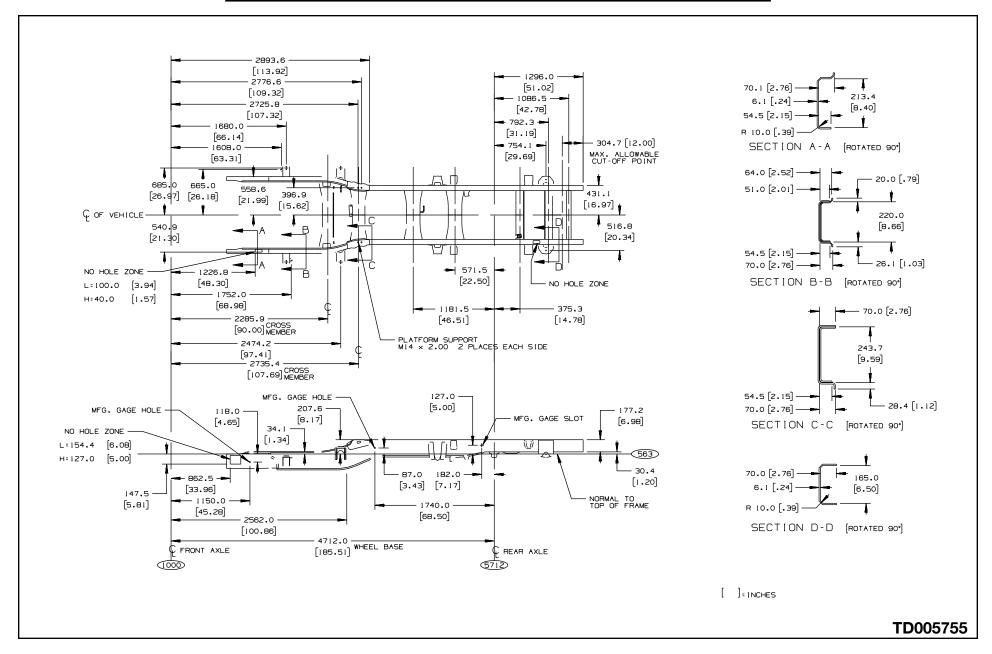


불 152

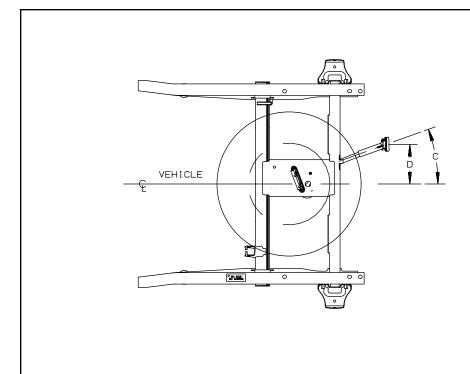
C/K 36453 Intermediate and Rear Frame

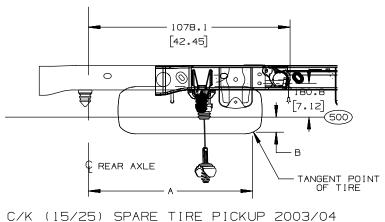


C/K 36453 Intermediate and Rear Frame W/Dim



C/K (15/25) Spare Tire Carrier Pickup





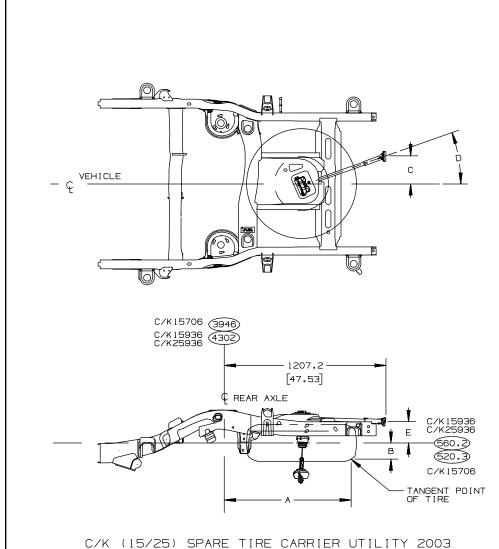
MODEL	TIRE	Α	В	С	D
C15703	P235/75R16	877.7 [34.56]	80.5 [3.17]	19.4°	210.9 [8.30]
C15703	P255/70R16-109H	918.5 [36.16]	100.5 [3.96]	19.4°	210.9 [8.30]
C15753	P235/75R16	877.7 [34.56]	80.5 [3.17]	18.8°	213.2 [8.39]
C15/53	P255/70R16-109H	918.5 [36.16]	100.5 [3.96]	18.8°	213.2 [8.39]
C/K15743	LT245/75R16	923.7 [36.37]	89.2 [3.51]	18.8°	213.2 [8.39]
C25743	LT245/75R16	923.7 [36.37]	89.2 [3.51]	18.8°	213.2 [8.39]
C25753	LT225/75R16	895.2 [35.24]	58.6 [2.31]	18.8°	213.2 [8.39]
C25/53	LT245/75R16	923.7 [36.37]	89.2 [3.51]	18.8°	213.2 [8.39]
K25753	LT245/75R16	923.7 [36.37]	89.2 [3.51]	18.8°	213.2 [8.39]
0.15003	P235/75R16	877.7 [34.56]	80.5 [3.17]	19.1°	213.0 [8.39]
C15903	P255/70R16-109H	918.5 [36.16]	100.5 [3.96]	19.1°	213.0 [8.39]
	P245/75R16-109S	921.8 [36.29]	83.1 [3.27]	19.1°	213.0 [8.39]
K15903	P265/75R16-114H	933.9 [36.77]	108.5 [4.27]	19.1°	213.0 [8.39]
	LT245/75R16	923.7 [36.37]	89.2 [3.51]	19.1°	213.0 [8.39]
C15953	P235/75R16	877.7 [34.56]	80.5 [3.17]	17.3°	212.4 [8.36]
C15953	P255/70R16-109H	918.5 [36.16]	100.5 [3.96]	17.3°	212.4 [8.36]
	P245/75R16-109S	921.8 [36.29]	83.1 [3.27]	17.3°	212.4 [8.36]
K15953	P265/75R16-114H	934.8 [36.80]	97.5 [3.84]	17.3°	212.4 [8.36]
	LT245/75R16	923.7 [36.37]	89.2 [3.51]	17.3°	212.4 [8.36]
C15543	P255/70R16	918.5 [36.16]	100.5 [3.96]	17.3°	212.4 [8.36]
K15543	P265/70R17	894.0 [35.20]	80.5 [3.17]	19.4°	210.9 [8.30]

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C/K (15/25) Spare Tire Carrier Utility



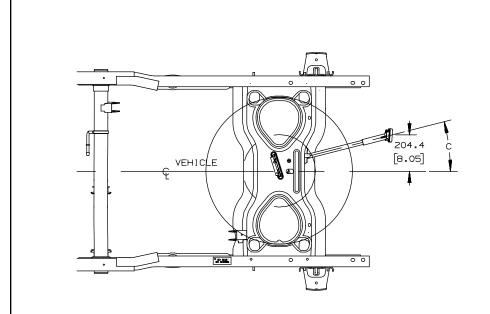
MODEL	TIRE	A	В	С	D	E
C/K25906	LT245/75R16/E	930.7 [36.64]	209.3 [8.24]	209.9 [8.26]	17.1°	119.5 [4.70]
C/K25906	LT245/75R16/E,C	930.7 [36.64]	209.3 [8.24]	209.9 [8.26]	17.1°	119.5 [4.70]
	P265/70R16 - 111S	923.6 [36.36]	108.2 [4.26]	209.9 [8.26]	27 . 9°	159.7 [6.29]
C15706	P245/75R16 - 109S	921.8 [36.29]	94.1 [3.70]	209.9 [8.26]	27.9°	159.7 [6.29]
	P255/70R16 - 109H	918.5 [36.16]	100.5 [3.96]	209.9 [8.26]	27 . 9°	159.7 [6.29]
	LT245/75R16/C	923.7 [36.37]	89.2 [3.51]	209.9 [8.26]	27.9°	159.7 [6.29]
	P265/75R16 - 114S	933.9 [36.77]	108.5 [4.27]	209.9 [8.26]	27.9°	159.7 [6.29]
K15706	LT265/75R16 - C	940.0 [37.01]	106.4 [4.19]	209.9 [8.26]	27.9°	159.7 [6.29]
K13706	P265/75R16 - 114H	933.9 [36.77]	108.5 [4.27]	209.9 [8.26]	27.9°	159.7 [6.29]
	P265/70R16 - 111S	923.6 [36.36]	108.2 [4.26]	209.9 [8.26]	27.9°	159.7 [6.29]
	P245/75R16 - 109S	921.8 [36.29]	94.1 [3.70]	209.9 [8.26]	21.7°	159.7 [6.29]
	P265/70R16 - 111S	923.7 [36.37]	89.2 [3.51]	209.9 [8.26]	21.7°	159.7 [6.29]
C15906	P245/75R16 - 109S	921.8 [36.29]	83.1 [3.27]	209.9 [8.26]	21.7°	159.7 [6.29]
	P255/70R16 - 109H	918.5 [36.16]	89.5 [3.52]	209.9 [8.26]	21.7°	159.7 [6.29]
	P265/70R16 - 111S	923.7 [36.37]	97.2 [3.83]	209.9 [8.26]	21.7°	159.7 [6.29]
K15906	P245/75R16 - 109S	921.8 [36.29]	83.1 [3.27]	209.9 [8.26]	21.7°	159.7 [6.29]
	P265/75R16 - 114H	934.0 [36.77]	97.5 [3.84]	209.9 [8.26]	21.7°	159.7 [6.29]
C (K 15030	P265/70R16	923.6 [36.36]	108.2 [4.26]	209.9 [8.26]	27 . 9°	159.7 [6.29]
C/K15936	P265/70R17	923.6 [36.36]	108.2 [4.26]	209.9 [8.26]	27.9°	159.7 [6.29]
C/K25936	LT245/75R16	930.7 [36.64]	209.3 [8.24]	209.9 [8.26]	17.1°	119.5 [4.70]

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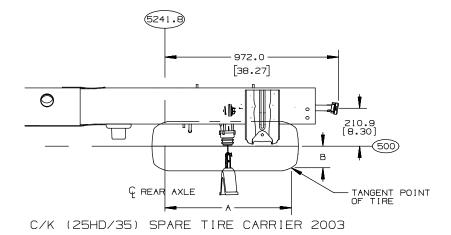
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C/K (25HD/35) Spare Tire Carrier



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MODEL	TIRE	Α	В	С
C/K25 HD ALL	LT245/75R16/E	923.1 [36.34]	176.0 [6.93]	19.3°
C35943	LT215/85R16/D	923.1 [36.34]	176.0 [6.93]	19.3°
C35953	C1213/63R16/D	923.1 [36.34]	176.0 [6.93]	19.3°
к35903	LT215/85R16/D	923.1 [36.34]	176.0 [6.93]	19.3°
K35943	LT215/85R16/E	923.1 [36.34]	176.0 [6.93]	19.3°
K35953	L1213/83R16/E	923.1 [36.34]	176.0 [6.93]	19.3°

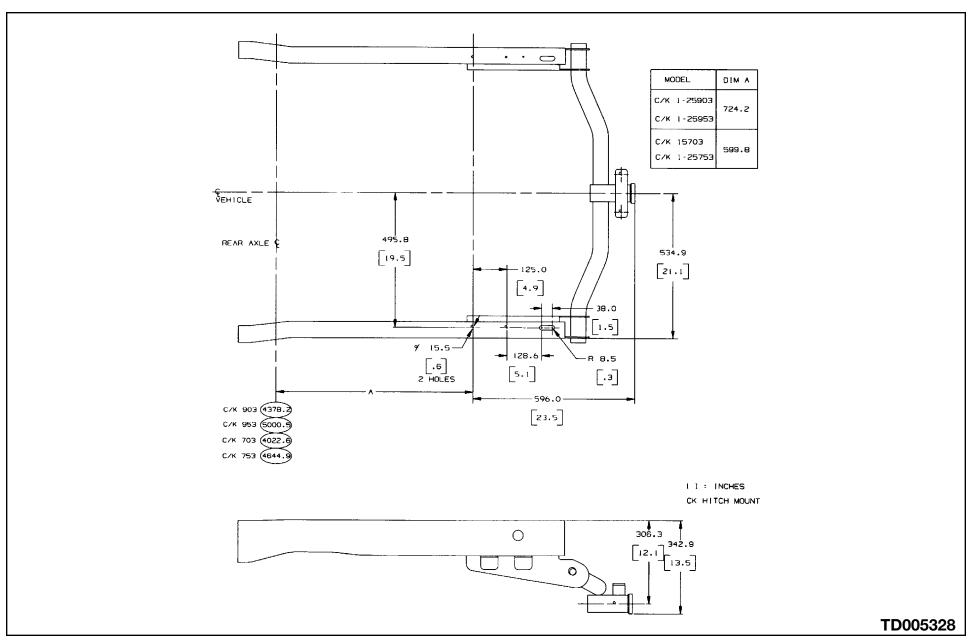


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TD006070a

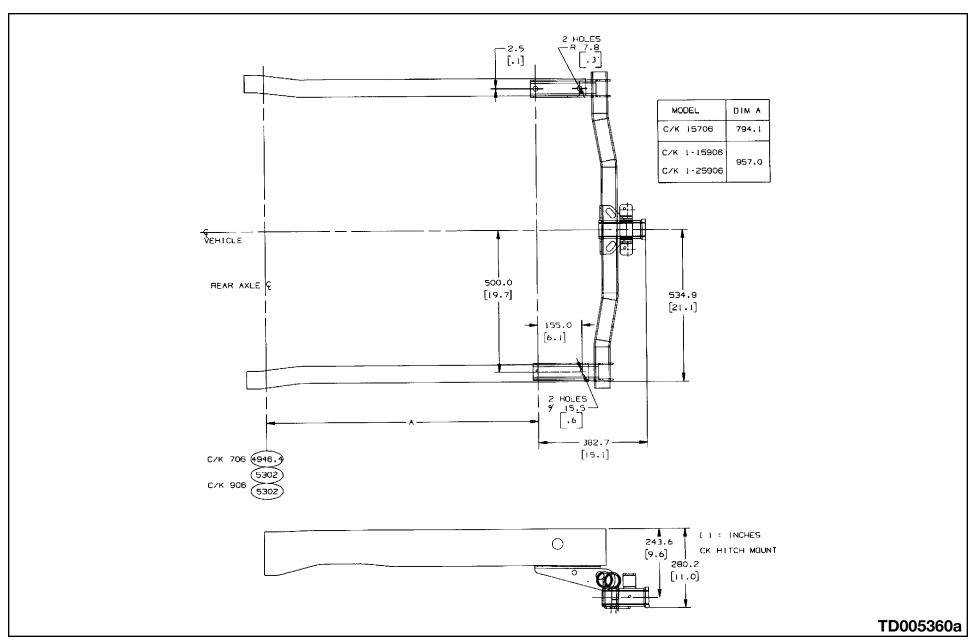
157

C/K (15/25) Platform Hitch Pickup



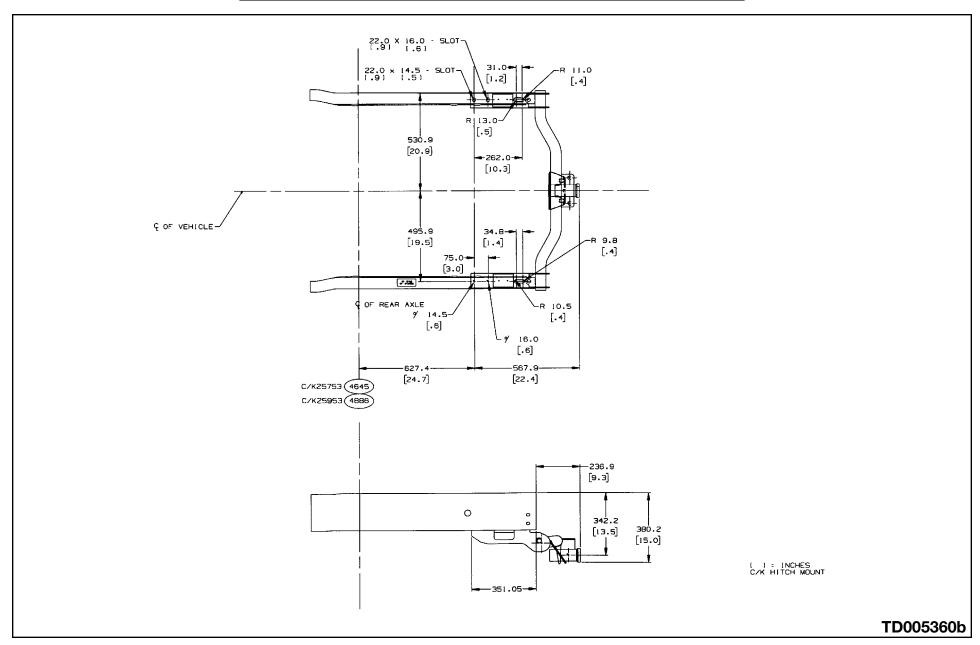
8 158

C/K (15/25) Platform Hitch Utility



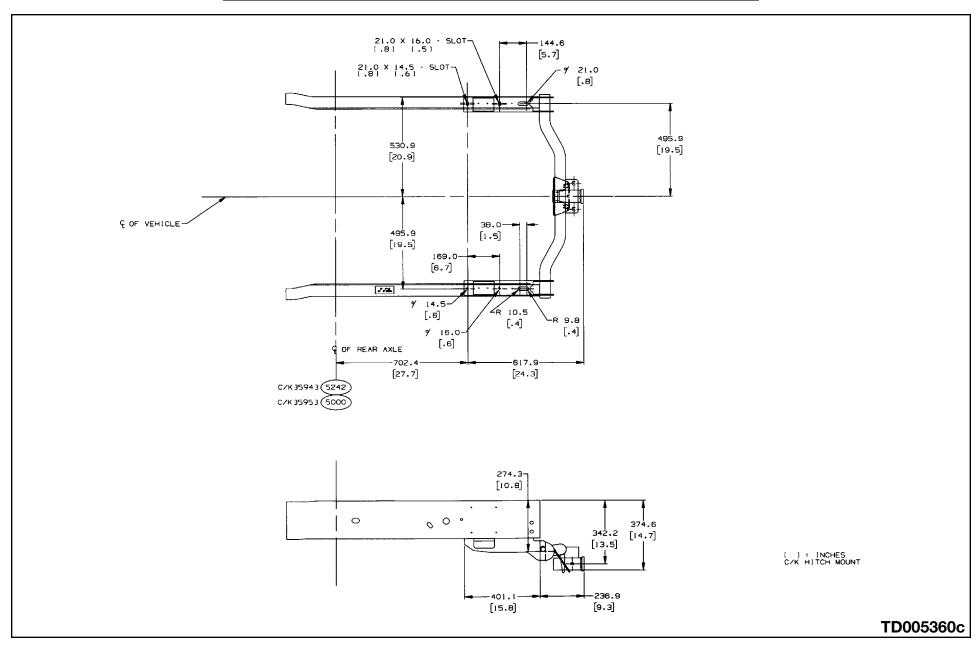
159

C/K (25HD) Platform Hitch Short Box Pickup

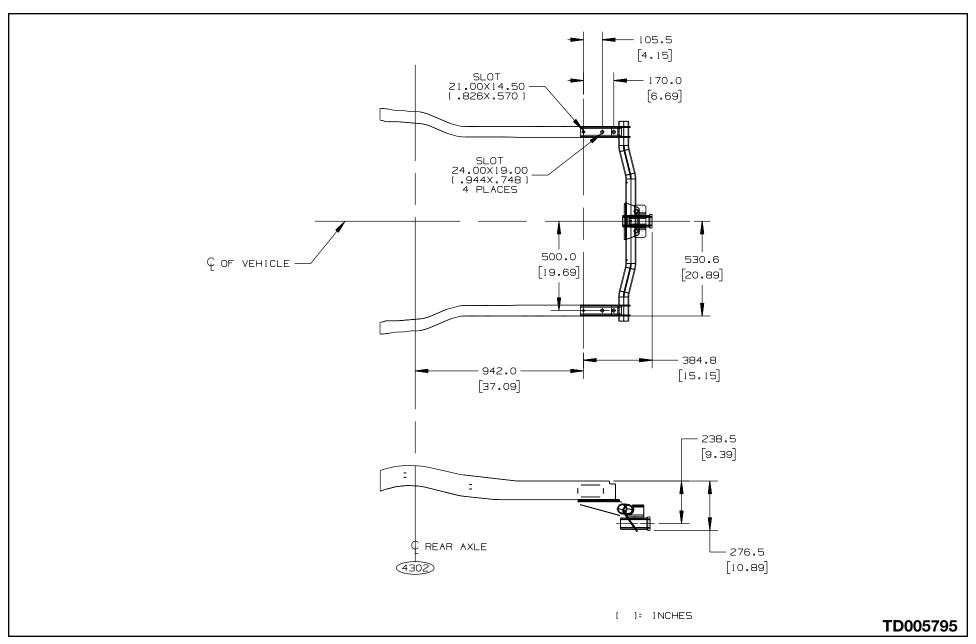


B 160

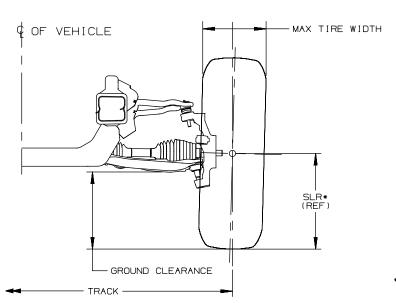
C/K (25HD/35) Platform Hitch Long Box Pickup



C/K (15/25)936 Platform Hitch



C/K (15) Front Axle/Tire Data



*MINIMUM GROUND CLEARANCE TO BE CALCULATED BY USING GROSS AXLE WEIGHT AND RECOMMENDED TIRE PRESSURE

			1	C) //W		1	WI 1551	MAY TIDE	CDOLIND
SERIES	OPT	SLR	TIRES	GVW Rating	REAR WHEEL	TRACK	WHEEL OFFSET	MAX TIRE WIDTH	GROUND CLEARANCE
C15543		352	P255/70R16	6800	SINGLE	1651.0	31.0	268.0	239.8
K15543		373	P265/70R17	7000	SINGLE	1651.0	31.0	281.0	266.7
		349	P235/75R16	6100	SINGLE	1651.0	31.0	252.0	243.8
C15703		352	P255/70R16	6100	SINGLE	1651.0	31.0	268.0	246.8
		TBD	TBD	6700	SINGLE	1651.0	TBD	TBD	TBD
		361	P245/75R16	6400	SINGLE	1651.0	31.0	261.0	254.7
K15703		367	LT245/75R16	6400	SINGLE	1651.0	28.0	256.0	260.7
		377	P265/75R16	6400	SINGLE	1651.0	31.0	276.0	270.7
		361	P245/75R16	6500	SINGLE	1651.0	31.0	261.0	254.7
		363	P265/70R16	6500	SINGLE	1651.0	31.0	276.0	256.7
C15706		361	P245/75R16	6800	SINGLE	1651.0	31.0	261.0	254.7
		362	P265/70R16	6800	SINGLE	1651.0	31.0	276.0	255.7
	&Z75	374	P265/70R17	6800	SINGLE	1651.0	31.0	281.0	267.7

GMT800, C/K(15/25/35/36), 2004, FRONT AXLE/TIRE DATA

TD006109a

C/K (15) Front Axle/Tire Data

SERIES	OPT	SLR	TIRES	GVW RATING	REAR WHEEL	TRACK	WHEEL OFFSET	MAX TIRE WIDTH	GROUND CLEARANCE
		371	P265/70R17	6800	SINGLE	1651.0	31.0	281.0	264.7
	FGAWR 3350	376	P265/75R16	6800	SINGLE	1651.0	31.0	276.0	269.7
		365	LT245/75R16	6800	SINGLE	1651.0	28.0	256.0	258.7
		360	P245/75R16	6800	SINGLE	1651.0	31.0	261.0	253.7
 K15706		376	P265/75R16	6800	SINGLE	1651.0	31.0	276.0	269.7
K13700	FGAWR	361	P265/70R16	6800	SINGLE	1651.0	31.0	276.0	254.7
	3600	365	LT245/75R16	6800	SINGLE	1651.0	31.0	256.0	258.7
		359	P245/75R16	6900	SINGLE	1651.0	31.0	261.0	252.7
		361	P265/70R16	6900	SINGLE	1651.0	31.0	276.0	254.7
		372	P265/70R17	7000	SINGLE	1651.0	31.0	281.0	265.7
015740		365	LT245/75R16	8600	SINGLE	1676.4	28.0	256.0	238.3
C15743	&NYS	365	LT245/75R16	8600	SINGLE	1676.4	28.0	256.0	238.3
V15740		363	LT245/75R16	8600	SINGLE	1676.4	28.0	256.0	236.3
K15743	&NYS	363	LT245/75R16	8600	SINGLE	1651.0	28.0	256.0	236.3
		351	P235/75R16	6200	SINGLE	1651.0	28.0	252.0	242.8
C15753		351	P255/70R16	6200	SINGLE	1651.0	28.0	268.0	243.8
		364	LT245/75R16	6200	SINGLE	1651.0	28.0	256.0	256.8
	&NYS	350	P255/70R16	6600	SINGLE	1651.0	28.0	268.0	242.8
		357	P245/75R16	6400	SINGLE	1651.0	31.0	261.0	250.7
		365	LT245/75R16	6400	SINGLE	1651.0	28.0	256.0	258.7
		374	P265/75R16	6400	SINGLE	1651.0	31.0	276.0	267.7
		381	P275/55R20	6400	SINGLE	1651.0	40.0	288.0	274.7
K15753	&NYS	358	P245/75R16	6900	SINGLE	1651.0	31.0	261.0	251.7
	&NYS	365	LT245/75R16	6900	SINGLE	1651.0	31.0	256.0	258.7
	&NYS	374	P265/75R16	6900	SINGLE	1651.0	31.0	276.0	267.7
	&NYS	370	P265/70R17	7200	SINGLE	1651.0	31.0	281.0	263.7
C15903		352	P235/75R16	6400	SINGLE	1651.0	31.0	252.0	245.8
017903		355	P255/70R16	6400	SINGLE	1651.0	31.0	268.0	249.8
		360	P245/75R16	6400	SINGLE	1651.0	31.0	261.0	253.7
 K15903		367	LT245/75R16	6400	SINGLE	1651.0	28.0	256.0	260.7
		376	P265/75R16	6400	SINGLE	1651.0	31.0	276.0	269.7
C15906		361	P245/75R16	7000	SINGLE	1651.0	31.0	261.0	254.7
		362	P265/70R16	7000	SINGLE	1651.0	31.0	276.0	255.7

TD006109b

C/K (15/25) Front Axle/Tire Data

SERIES	OPT	SLR	TIRES	GVW RATING	REAR WHEEL	TRACK	WHEEL OFFSET	MAX TIRE WIDTH	GROUND CLEARANCE
	FGAWR3600	359	P245/75R16	7200	SINGLE	1651.0	31.0	261.0	252.7
K15906	GAWR3000	360	P265/70R16	7200	SINGLE	1651.0	31.0	276.0	253.7
K13900	FGAWR3550	370	P265/70R17	7200	SINGLE	1651.0	31.0	281.0	263.7
	FGAWR3450	370	P265/70R17	7200	SINGLE	1651.0	31.0	31.0 281.0	263.7
	&ZQ1	359	P245/75R16	6800	SINGLE	1651.0	31.0	261.0	252.7
C15936	&ZQ1	360	P265/70R16	6800	SINGLE	1651.0	31.0	276.0	253.7
	&ZW7	372	P265/70R17	6800	SINGLE	1651.0	31.0	281.0	265.7
	&ZQ1	358	P265/70R16	7000	SINGLE	1651.0	31.0	276.0	251.7
K15936	&Z71	368	P265/70R17	7000	SINGLE	1651.0	31.0	281.0	261.7
	&Z75	370	P265/70R17	7000	SINGLE	1651.0	31.0	281.0	263.7
C1E0E3		349	P235/75R16	6400	SINGLE	1651.0	31.0	252.0	241.8
C15953		351	P255/70R16	6400	SINGLE	1651.0	31.0	268.0	243.8
K15953		356	P245/75R16	6400	SINGLE	1651.0	31.0	261.0	249.7
K 10903		364	LT245/75R16	6400	SINGLE	1651.0	28.0	256.0	257.7
		373	P265/75R16	6400	SINGLE	1651.0	31.0	276.0	266.7
C25743		365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
k25743		364	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	237.3
K23773	&VYU	365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
C25753		365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
		364	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	237.3
K25753	&VYU	365	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	238.3
1 123733		365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
	&VYU	366	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	239.3
		365	LT245/75R16	8500	SINGLE	1742.0	28.0	256.0	238.3
	&E63	366	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	239.3
C25903	&ZW9	366	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	239.3
	&E63	366	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	239.3
	&ZW9	366	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	239.3
		365	LT245/75R16	8500	SINGLE	1742.0	28.0	256.0	238.3
	&ZW9	365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
K25903	&E63	366	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	239.3
	&ZW9&VYU	366	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	239.3
	&E63&VYU	366	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	239.3

TD006109c

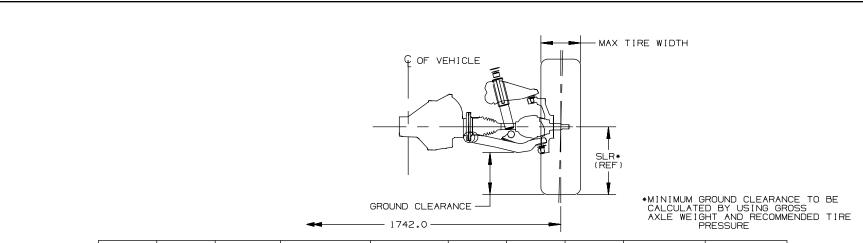
C/K (25HD/35/36) Front Axle/Tire Data

SERIES	OPT	SLR	TIRES	GVW Rating	REAR WHEEL	TRACK	WHEEL OFFSET	MAX TIRE WIDTH	GROUND CLEARANCE
C25906		366	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	239.3
023300	&NYS	365	LT265/75R16	8600	SINGLE	1742.0	28.0	256.0	238.3
K25906		364	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	237.3
1,5000	&NYS	364	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	237.3
C25936		365	LT245/75R16	6800	SINGLE	1742.0	28.0	256.0	238.3
K25936		364	LT245/75R16	6800	SINGLE	1742.0	28.0	256.0	237.3
C25943	&E63	365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
C25943	&ZW9	365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.5
K25943	&E63	365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
N23943	&ZW9	365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
025052		365	LT245/75R16	8500	SINGLE	1742.0	28.0	256.0	238.3
C25953		365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3
		363	LT245/75R16	8600	SINGLE	1742.0	28.0	256.0	236.3
K25953		364	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	237.3
	&VYU	365	LT245/75R16	9200	SINGLE	1742.0	28.0	256.0	238.3

GMT800, C/K(15/25/35/36), 2004, FRONT AXLE/TIRE DATA

TD006109d

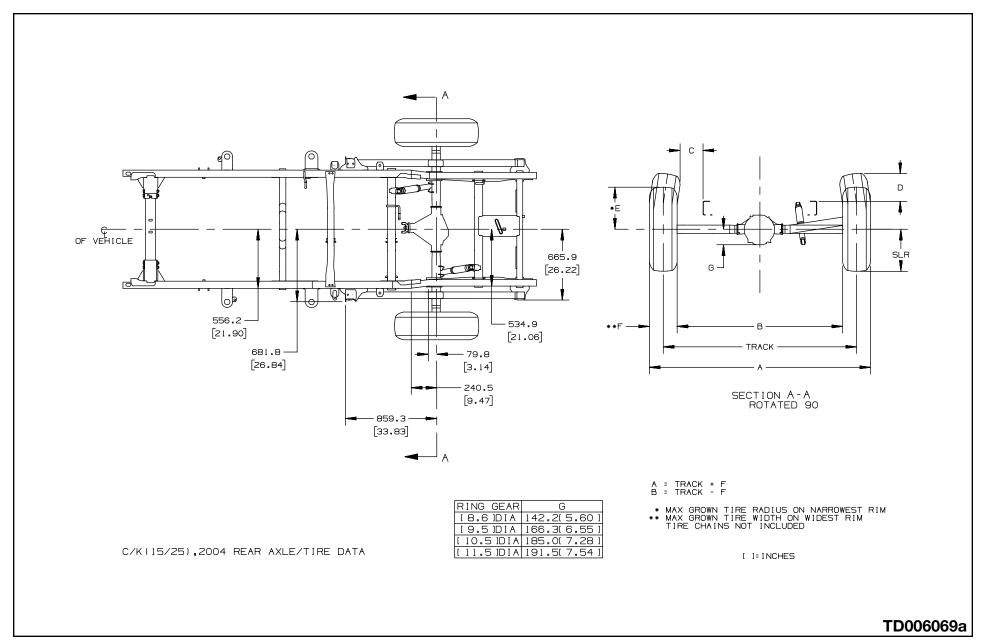
C/K (25HD/35/36) Front Axle/Tire Data



SERIES	OPT	SLR	TIRES	GVW Rating	REAR WHEEL	TRACK	WHEEL OFFSET	MAX TIRE WIDTH	GROUND CLEARANCE
	&E63	365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
K35903	&ZW9	365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
1133003	&E63&VYU	367	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	220.3
	&ZW97VYU	367	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	220.3
C35943	&E63	365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
033013	&ZW9	365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
K35943	&E63	365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
1133013	&ZW9	365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
C35953		365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
K35953		366	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	219.3
C36003		366	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	219.3
1420002		365	LT215/85R16	12000	DUAL	1742.0	128.0	227.0	218.3
K36003	&VYU	367	LT215/85R16	12000	DUAL	1742.0	128.0	227.0	220.3
C36053		365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
K36053		365	LT215/85R16	12000	DUAL	1742.0	128.0	227.0	218.3
C36403		365	LT215/85R16	11400	DUAL	1742.0	128.0	227.0	218.3
K36403		366	LT215/85R16	12000	DUAL	1742.0	128.0	227.0	219.3
K35903		TBD	TBD	9900	SINGLE	TBD	TBD	TBD	TBD
K35943		TBD	TBD	9900	SINGLE	TBD	TBD	TBD	TBD
K35953		TBD	TBD	9900	SINGLE	TBD	TBD	TBD	TBD

TD006109e

C/K (15/25) Rear Axle/Tire Data



C/K (15) Rear Axle/Tire Data Chart

SERIES	OPT	SLR	TIRES	GVW RATING	REAR WHEEL	TRACK	WHEEL	- A -	-B-	-C-	-D-	-E-	-F-
C15543		358	P255/70R16	6800	SINGLE	1676.4	31.0	1944.4	1408.4	125.6	232.7	388.0	268.0
K15543		380	P265/70R17	7000	SINGLE	1676.4	31.0	1956.4	1396.4	112.2	236.0	410.0	281.0
		360	P235/75R16	6100	SINGLE	1676.4	31.0	1928.4	1424.4	116.4	282.6	385.0	252.0
C15703		362	P255/70R16	6100	SINGLE	1676.4	31.0	1944.4	1408.4	108.2	286.7	388.0	268.0
		TBD	TBD	6700	SINGLE	1676.4	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		368	P245/75R16	6400	SINGLE	1676.4	31.0	1937.4	1415.4	125.0	219.6	393.0	261.0
K15703		372	LT245/75R16	6400	SINGLE	1676.4	28.0	1932.4	1420.4	127.6	218.5	396.0	256.0
		383	P265/75R16	6400	SINGLE	1676.4	31.0	1952.4	1400.4	115.9	234.9	410.0	276.0
		363	P245/75R16	6500	SINGLE	1676.4	31.0	1937.4	1415.4	41.9	216.0	393.0	261.0
		364	P265/70R16	6500	SINGLE	1676.4	31.0	1952.4	1400.4	33.9	215.7	395.0	276.0
C15706		362	P245/75R16	6800	SINGLE	1676.4	31.0	1937.4	1415.4	41.9	216.0	393.0	261.0
		363	P265/70R16	6800	SINGLE	1676.4	31.0	1952.4	1400.4	33.9	215.7	395.0	276.0
	&Z75	374	P265/70R17	6800	SINGLE	1676.4	31.0	1957.4	1395.4	29.7	232.2	410.0	281.0
		374	P265/70R17	6800	SINGLE	1676.4	31.0	1957.4	1395.4	29.7	232.2	410.0	281.0
	FGAWR 3350	378	P265/75R16	6800	SINGLE	1676.4	31.0	1952.4	1400.4	33.3	230.9	410.0	276.0
	0000	367	LT245/75R16	6800	SINGLE	1676.4	28.0	1932.4	1420.4	44.5	214.8	396.0	256.0
		362	P245/75R16	6800	SINGLE	1676.4	31.0	1937.4	1415.4	41.9	216.0	393.0	261.0
K15706	FGAWR	378	P265/75R16	6800	SINGLE	1676.4	31.0	1952.4	1400.4	33.3	230.9	410.0	276.0
00/11/	3600	364	P265/70R16	6800	SINGLE	1676.4	31.0	1952.4	1400.4	33.9	215.7	395.0	276.0
		367	LT245/75R16	6800	SINGLE	1676.4	28.0	1932.4	1420.4	44.5	214.8	396.0	256.0
		361	P245/75R16	6900	SINGLE	1676.4	31.0	1937.4	1415.4	41.9	216.0	393.0	261.0
		363	P265/70R16	6900	SINGLE	1676.4	31.0	1952.4	1400.4	33.9	215.7	395.0	276.0
		374	P265/70R17	7000	SINGLE	1676.4	31.0	1957.4	1395.4	31.8	231.2	410.0	281.0
C15743		373	LT245/75R16	8600	SINGLE	1676.4	28.0	1932.4	1420.4	117.7	260.4	396.0	256.0
C15/43	&NYS	373	LT245/75R16	8600	SINGLE	1802.4	28.0	2062.2	1550.2	200.2	235.8	396.0	256.0
K15743		373	LT245/75R16	8600	SINGLE	1676.4	28.0	1932.4	1420.4	127.5	219.0	396.0	256.0
K10/43	&NYS	373	LT245/75R16	8600	SINGLE	1802.4	28.0	2062.2	1550.2	200.2	235.8	396.0	256.0
		358	P235/75R16	6200	SINGLE	1676.4	28.0	1928.4	1424.4	120.7	251.6	385.0	252.0
015750		361	P255/70R16	6200	SINGLE	1676.4	28.0	1944.4	1408.4	112.5	255.1	388.0	268.0
C15753		370	LT245/75R16	6200	SINGLE	1676.4	28.0	1932.4	1420.4	117.7	260.5	396.0	256.0
	&NYS	357	P255/70R16	6600	SINGLE	1802.4	31.0	2070.2	1534.2	194.8	230.2	388.0	268.0

NYS=STEERING FOUR WHEEL

C/K(15/25),2004 REAR AXLE/TIRE DATA

[]= INCHES

TD006069b

C/K (15) Rear Axle/Tire Data Chart

SERIES	OPT	SLR	TIRES	GVW RATING	REAR WHEEL	TRACK	WHEEL OFFSET	- A -	-B-	-C-	-D-	-E-	-F-
		368	P245/75R16	6400	SINGLE	1676.4	31.0	1937.4	1415.4	125.0	219.9	393.0	261.0
		372	LT245/75R16	6400	SINGLE	1676.4	28.0	1932.4	1420.4	127.6	218.7	396.0	256.0
		383	P265/75R16	6400	SINGLE	1676.4	31.0	1952.4	1400.4	115.9	235.0	410.0	276.0
		390	P275/55R20	6400	SINGLE	1676.4	40.0	1964.4	1388.4	100.3	241.8	405.0	288.0
K15753	&NYS	364	P245/75R16	6900	SINGLE	1802.4	31.0	2063.4	1541.4	197.6	237.1	393.0	261.0
	&NYS	369	LT245/75R16	6900	SINGLE	1802.4	31.0	2058.4	1546.4	200.2	236.0	396.0	256.0
	&NYS	380	P265/75R16	6900	SINGLE	1802.4	31.0	2078.4	1526.4	188.8	252.2	410.0	276.0
	&NYS	379	P265/70R17	7200	SINGLE	1802.4	31.0	2083.4	1521.4	185.2	252.9	410.0	281.0
0.15000		359	P235/75R16	6400	SINGLE	1676.4	31.0	1928.4	1424.4	116.4	282.2	385.0	252.0
C15903		362	P255/70R16	6400	SINGLE	1676.4	31.0	1944.4	1408.4	108.2	285.7	388.0	268.0
		368	P245/75R16	6400	SINGLE	1676.4	31.0	1937.4	1415.4	124.9	218.5	393.0	261.0
K15903		372	LT245/75R16	6400	SINGLE	1676.4	28.0	1932.4	1420.4	127.4	217.4	396.0	256.0
		384	P265/75R16	6400	SINGLE	1676.4	31.0	1952.4	1400.4	115.8	233.7	410.0	276.0
C15906		363	P245/75R16	7000	SINGLE	1676.4	31.0	1937.4	1415.4	41.9	177.2	393.0	261.0
013300		363	P265/70R16	7000	SINGLE	1676.4	31.0	1952.4	1400.4	34.5	177.2	395.0	276.0
	E0.1 WED000	363	P245/75R16	7200	SINGLE	1676.4	31.0	1937.4	1415.4	41.9	177.2	393.0	261.0
K15906	FGAWR3600	364	P265/70R16	7200	SINGLE	1676.4	31.0	1952.4	1400.4	34.5	177.2	395.0	276.0
006617	FGAWR3550	375	P265/70R17	7200	SINGLE	1676.4	31.0	1957.4	1395.4	29.6	193.2	410.0	281.0
	FGAWR3450	375	P265/70R17	7200	SINGLE	1676.4	31.0	1957.4	1395.4	29.6	193.2	410.0	281.0
	&ZQ1	360	P245/75R16	6800	SINGLE	1676.4	31.0	1937.4	1415.4	41.9	177.2	393.0	261.0
C15936		361	P265/70R16	6800	SINGLE	1676.4	31.0	1952.4	1400.4	34.5	177.2	395.0	276.0
	&ZW7	374	P265/70R17	6800	SINGLE	1676.4	31.0	1957.4	1395.4	29.6	193.2	410.0	281.0
	&ZQ1	361	P265/70R16	7000	SINGLE	1676.4	31.0	1952.4	1400.4	34.5	177.2	395.0	276.0
K15936	&Z71	371	P265/70R17	7000	SINGLE	1676.4	31.0	1957.4	1395.4	29.6	193.2	410.0	281.0
	&Z75	373	P265/70R17	7000	SINGLE	1676.4	31.0	1957.4	1395.4	29.6	193.2	410.0	281.0
C15953		358	P235/75R16	6400	SINGLE	1676.4	31.0	1928.4	1424.4	120.6	251.4	385.0	252.0
612823		361	P255/70R16	6400	SINGLE	1676.4	31.0	1944.4	1408.4	112.4	254.8	388.0	268.0
		367	P245/75R16	6400	SINGLE	1676.4	31.0	1937.4	1415.4	124.9	219.5	393.0	261.0
K15953		371	LT245/75R16	6400	SINGLE	1676.4	28.0	1932.4	1420.4	127.5	218.4	396.0	256.0
		383	P265/75R16	6400	SINGLE	1676.4	31.0	1952.4	1400.4	115.8	234.6	410.0	276.0

NYS=STEERING FOUR WHEEL C/K(15/25),2004 REAR AXLE/TIRE DATA

[]= INCHES

TD006069c

C/K (25) Rear Axle/Tire Data Chart

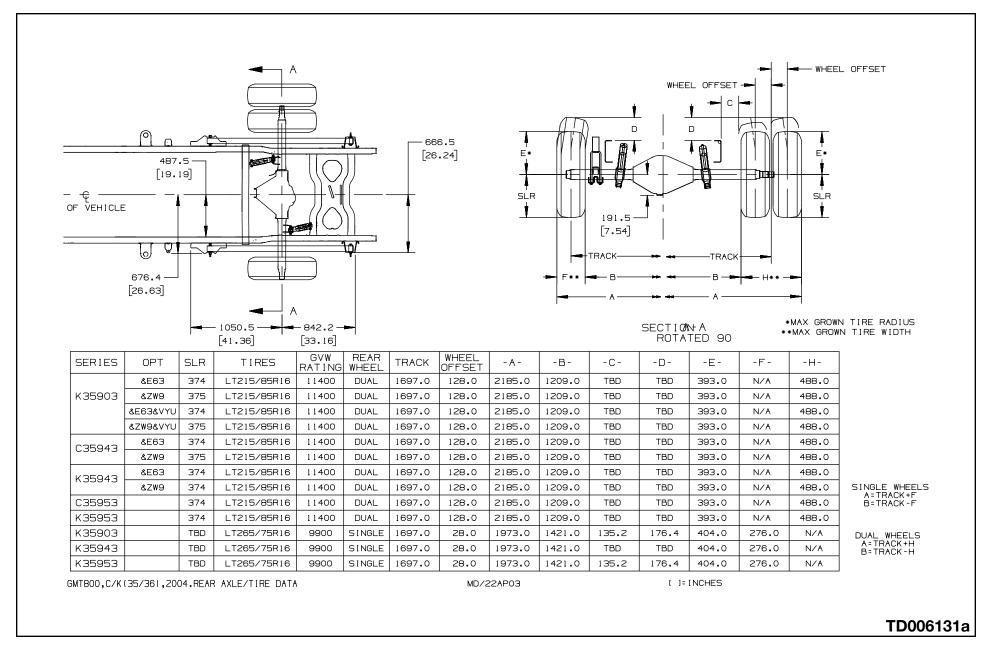
			1	0.444	55.5				1		1		
SERIES	OPT	SLR	TIRES	GVW Rating	REAR WHEEL	TRACK	WHEEL OFFSET	- A -	-B-	- C -	-D-	-E-	-F-
C25743		373	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.2	396.0	256.0
K25743		373	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.2	396.0	256.0
11237 13	&VYU	373	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.2	396.0	256.0
C25753		374	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.2	396.0	256.0
		374	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	112.6	258.2	396.0	256.0
V DE ZEO	&VYU	374	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.2	396.0	256.0
K25753		374	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	112.6	258.2	396.0	256.0
	&VYU	374	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.2	396.0	256.0
		372	LT245/75R16	8500	SINGLE	1676.4	28.0	1930.4	1420.4	138.6	205.0	396.0	256.0
	&E63	375	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	138.6	205.0	396.0	256.0
C25903	&ZW9	376	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	138.6	205.0	396.0	256.0
	&E63	374	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	138.6	205.0	396.0	256.0
	&ZW9	375	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	138.6	205.0	396.0	256.0
		371	LT245/75R16	8500	SINGLE	1676.4	28.0	1930.4	1420.4	139.1	155.1	396.0	256.0
	&ZW9	375	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	139.1	155.1	396.0	256.0
K25903	&E63	373	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	139.1	155.1	396.0	256.0
	&ZW9&VYU	375	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	139.1	155.1	396.0	256.0
	&E63&VYU	374	LT245/78R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	139.1	155.1	396.0	256.0
C25906		372	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	127.3	229.0	396.0	256.0
C23900	&NYS	370	LT245/75R16	8600	SINGLE	1802.4	28.0	1962.2	1550.2	173.8	255.4	396.0	256.0
K25906		372	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	127.3	229.0	396.0	256.0
N25900	&NYS	370	LT245/75R16	8600	SINGLE	1802.4	28.0	1962.2	1550.2	173.8	255.4	396.0	256.0
C25936		372	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	127.3	229.0	396.0	256.0
K25936		371	LT245/75R16	8600	SINGLE	1676.4	28.0	1930.4	1420.4	127.3	229.0	396.0	256.0
005040	&E63	373	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.1	396.0	256.0
C25943	&ZW9	374	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.1	396.0	256.0
W05040	&E63	372	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.1	396.0	256.0
K25943	&ZW9	374	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.1	396.0	256.0
		371	LT245/75R16	8500	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.1	396.0	256.0
C25953		374	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	113.1	208.1	396.0	256.0
		371	LT245/75R16	8500	SINGLE	1676.4	28.0	1930.4	1420.4	175.3	208.1	396.0	256.0
K25953		373	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	175.3	208.1	396.0	256.0
	&VYU	373	LT245/75R16	9200	SINGLE	1676.4	28.0	1930.4	1420.4	175.3	208.1	396.0	256.0

C/K(15/25),2004 REAR AXLE/TIRE DATA

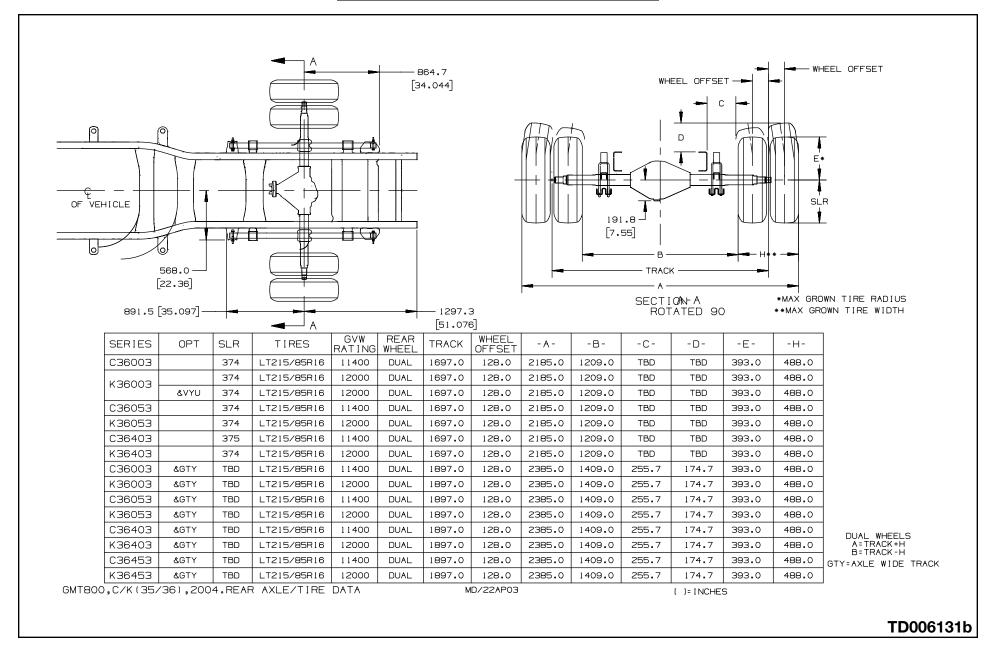
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TD006069d

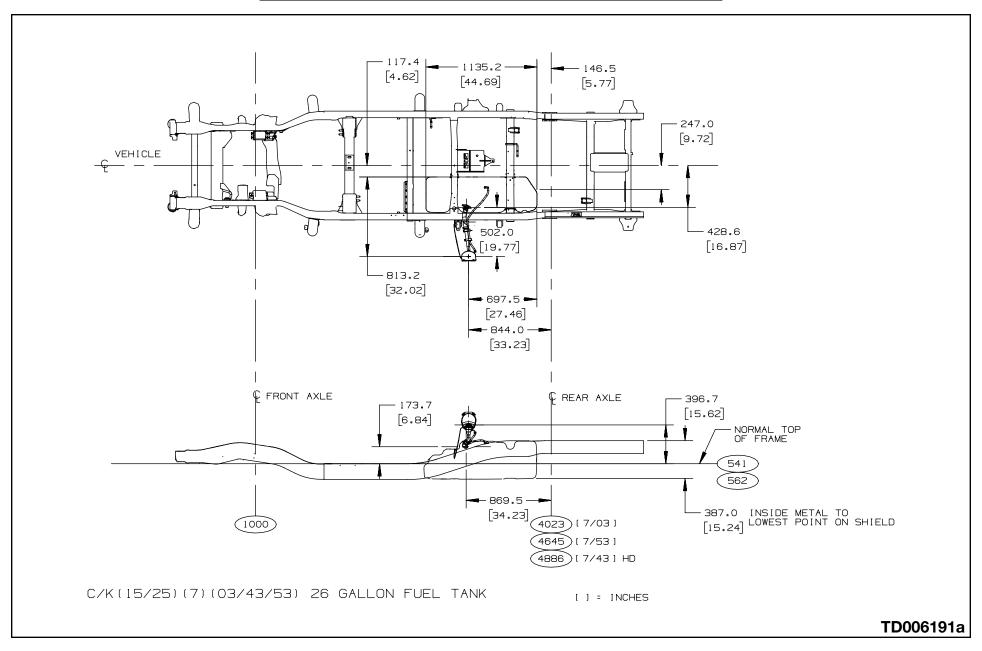
C/K (25HD/35) Rear Axle/Tire Data



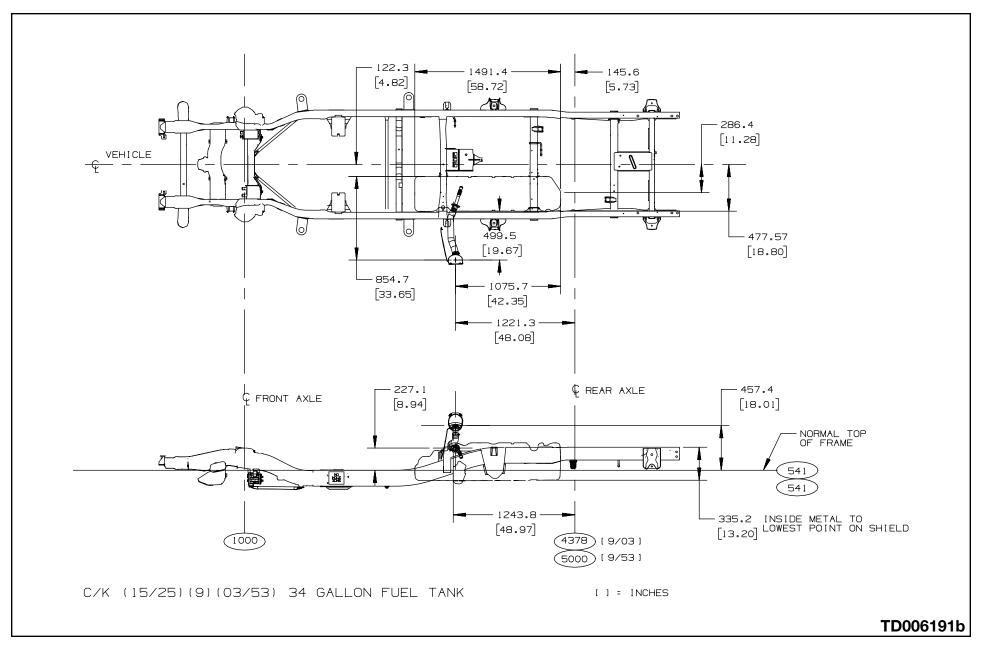
C/K (36) Rear Axle/Tire Data



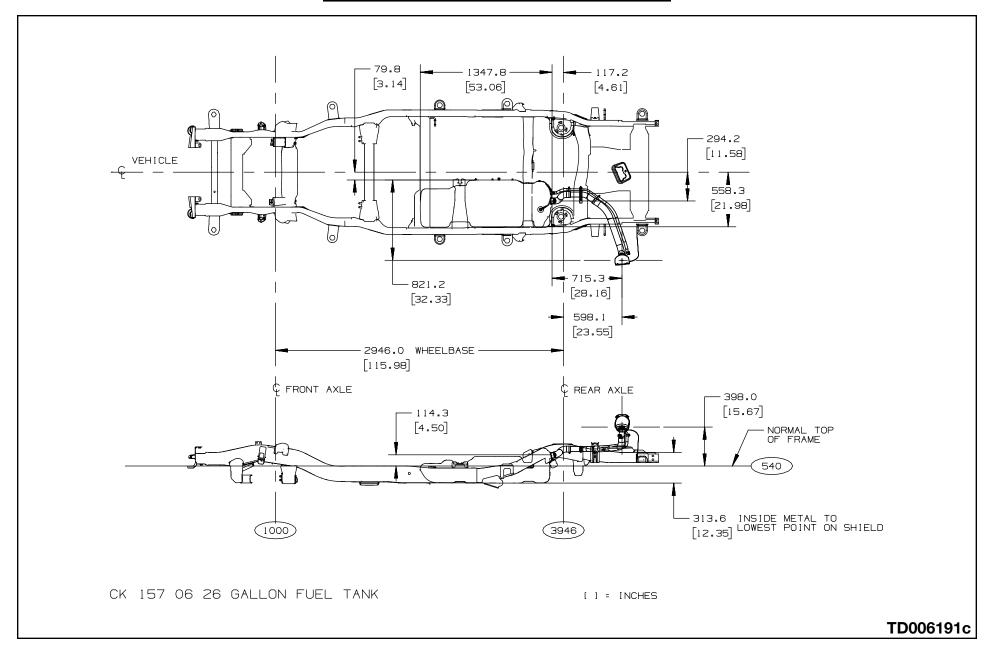
C/K (15/25)(7)(03/53) 26 Gallon Fuel Tank



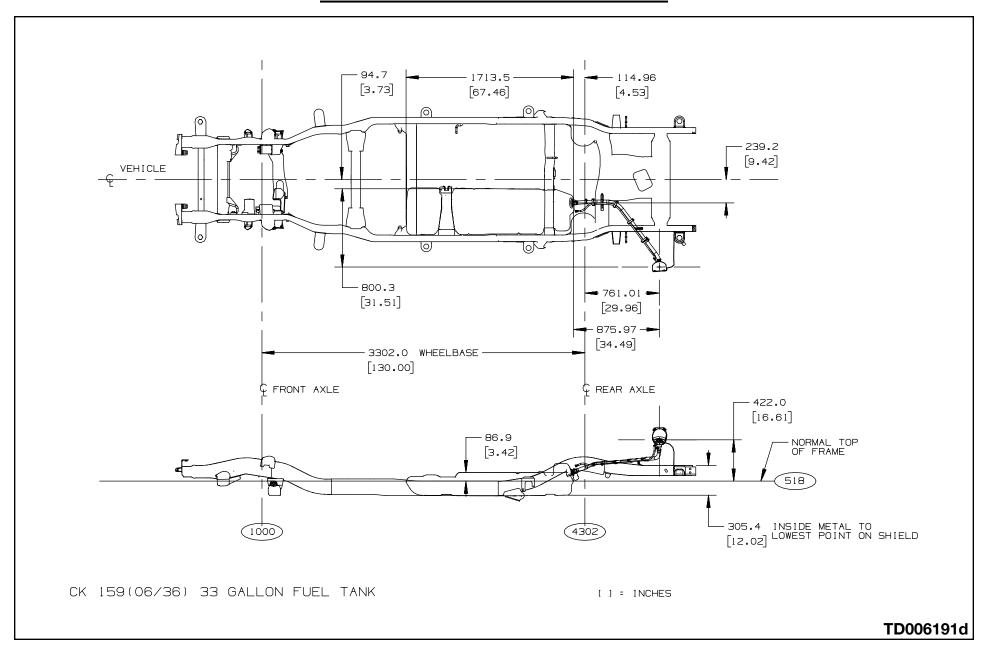
C/K (15/25)(9)(03/53) 34 Gallon Fuel Tank



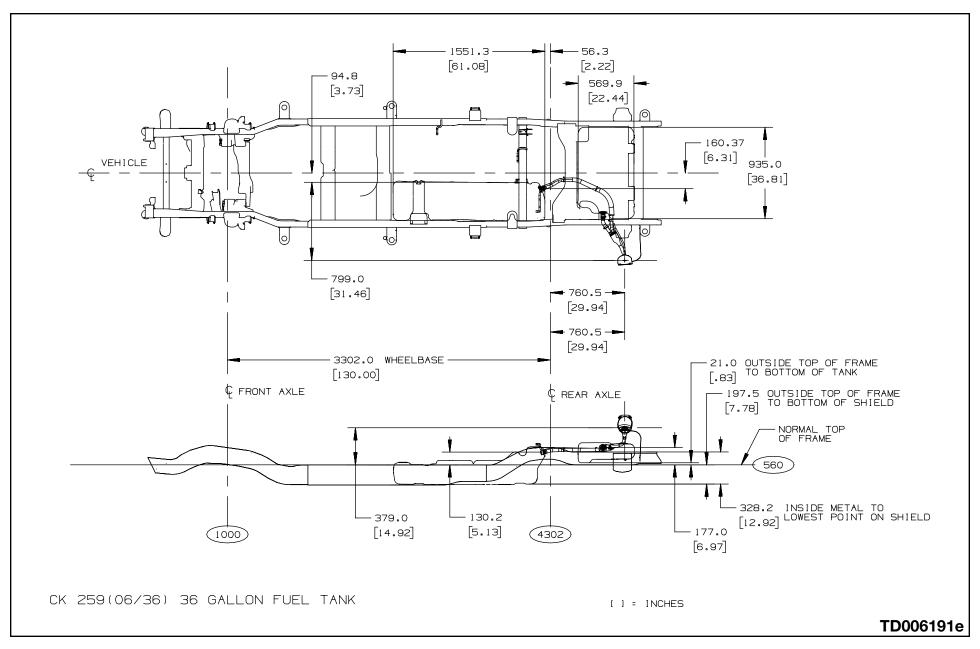
C/K 15706 26 Gallon Fuel Tank



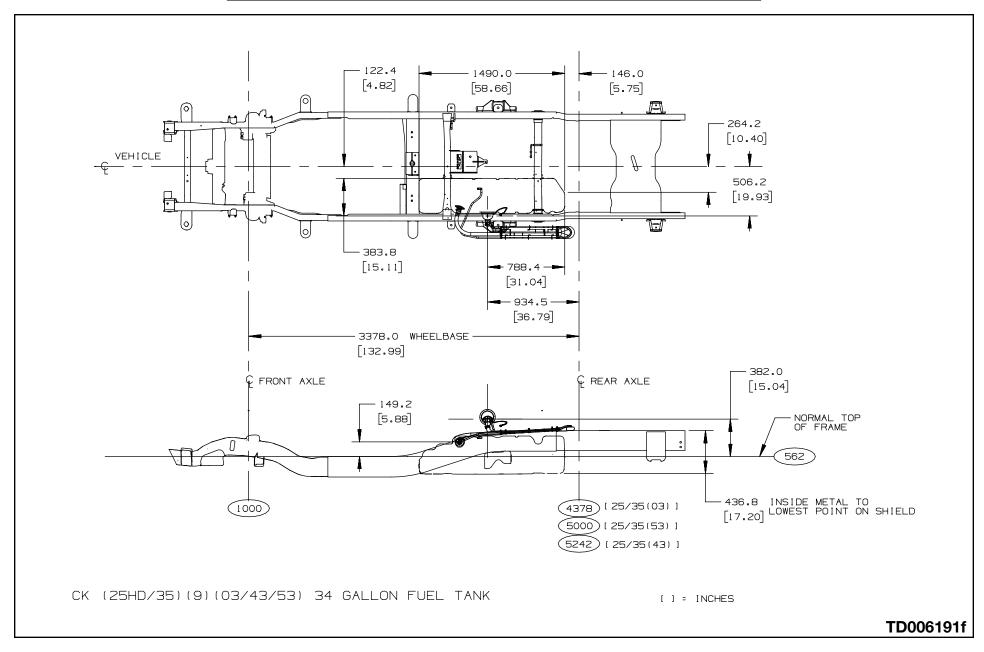
C/K 15906 33 Gallon Fuel Tank



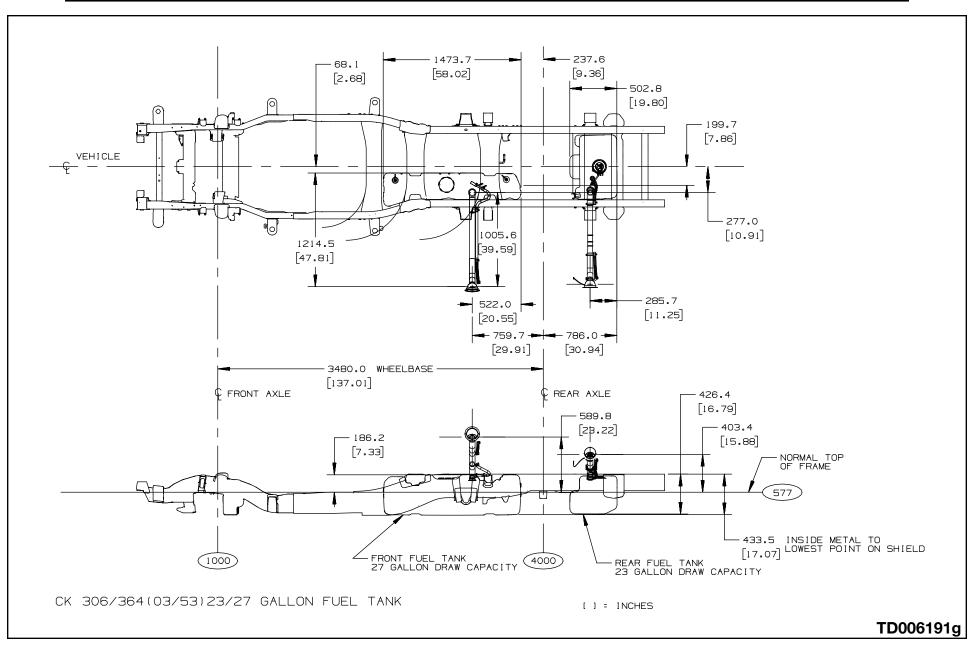
C/K 25(906/936) 36 Gallon Fuel Tank



C/K (25HD/35)(9)(03/43/53) 34 Gallon Fuel Tank



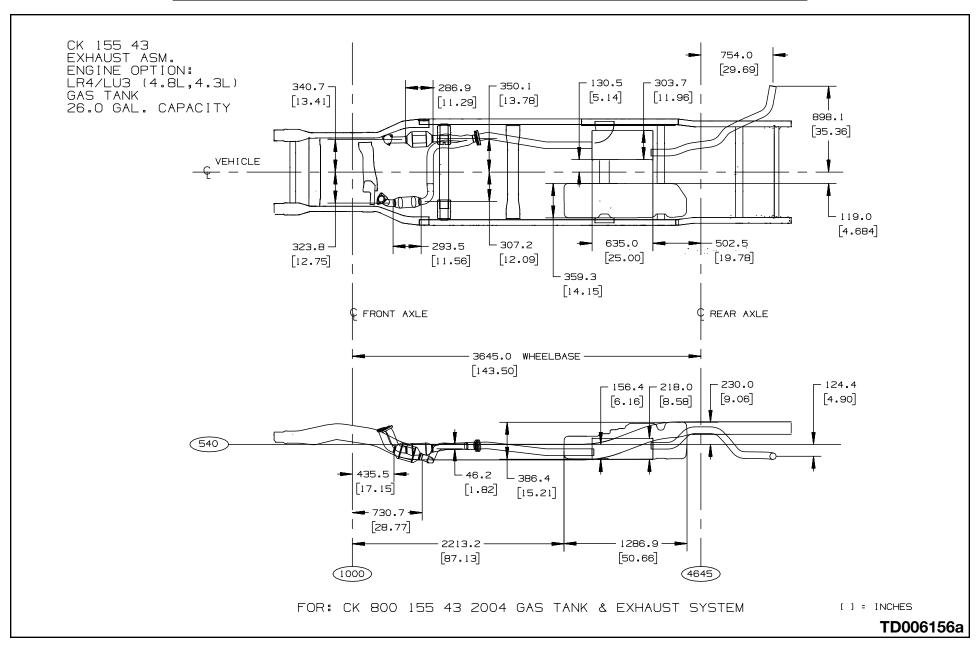
C/K (360/364)(03/53) Dual Fuel Tanks – 27 Gallon Front and 23 Gallon Rear



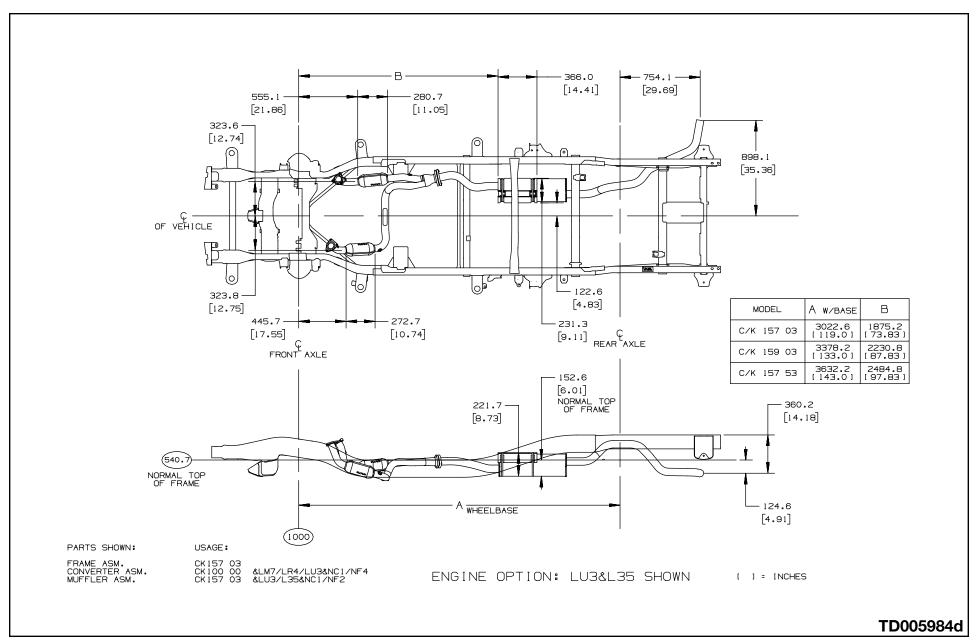
2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

180

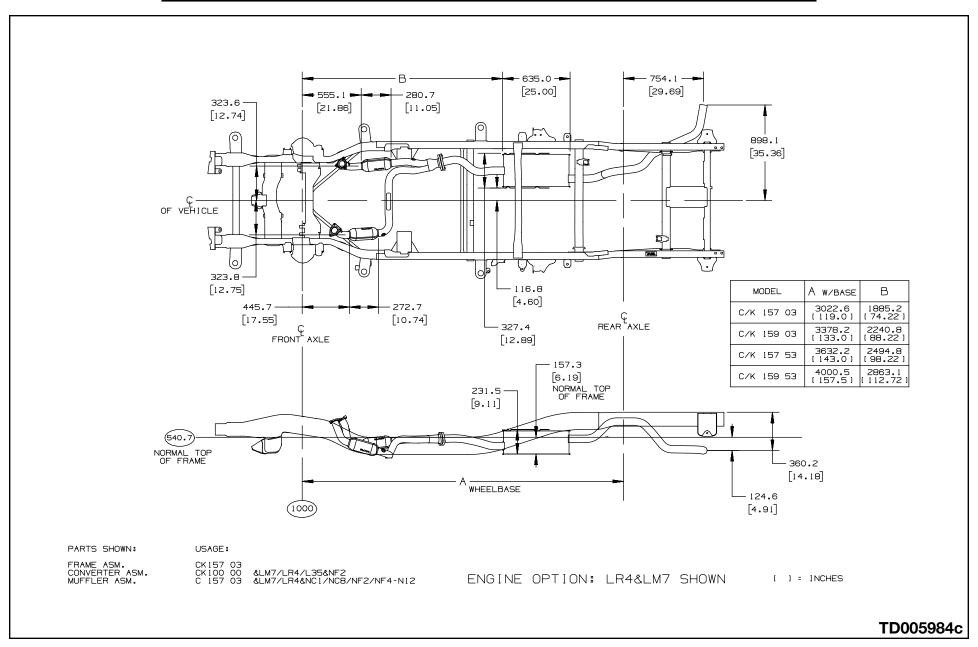
C/K 15543 4.3 and 4.8 L Engine and 26 Gallon Fuel Tank



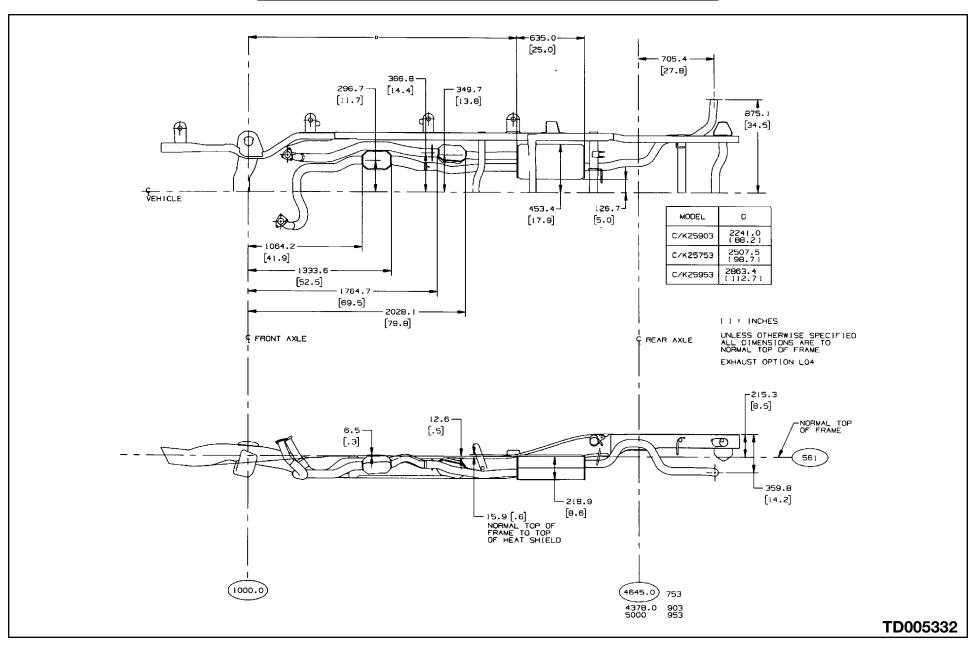
4.3 L V6 Gas Engine, Pickup, Option LU3 and L35



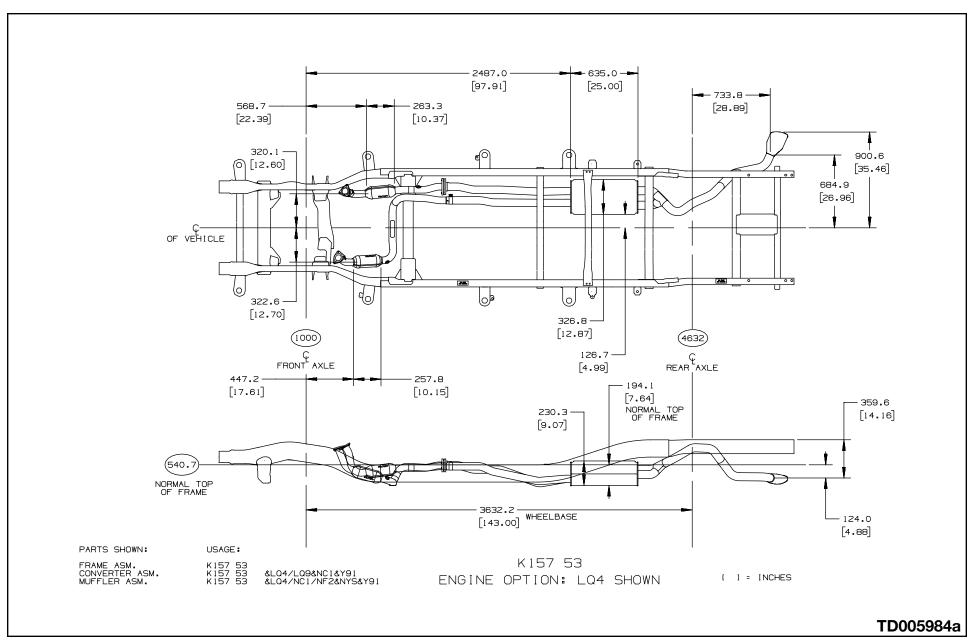
4.8 and 5.3 L V8 Gas Engine, Pickup, Option LR4 and LM7



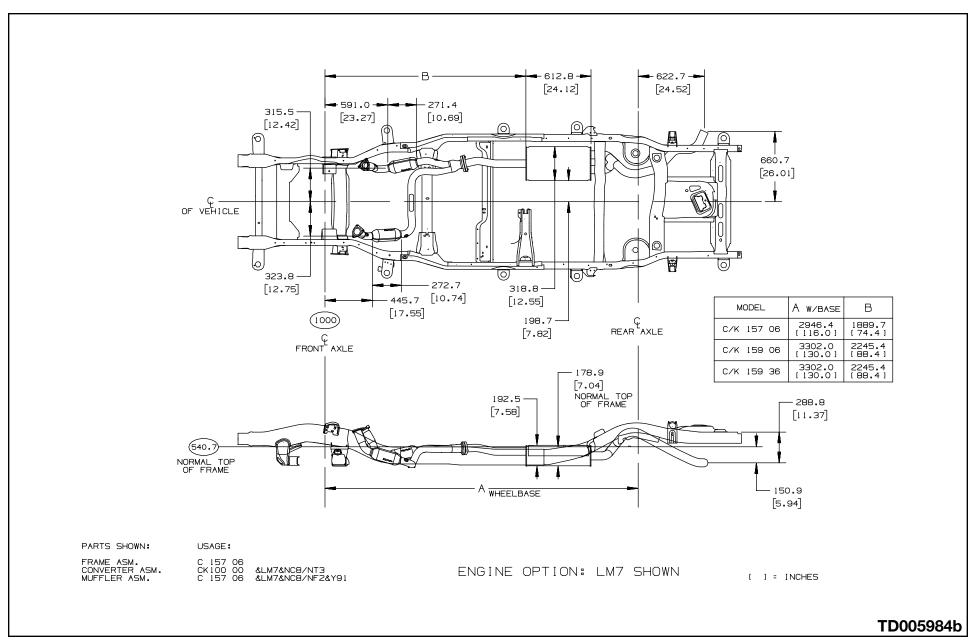
6.0 L V8 Gas Engine, Pickup, Option LQ4



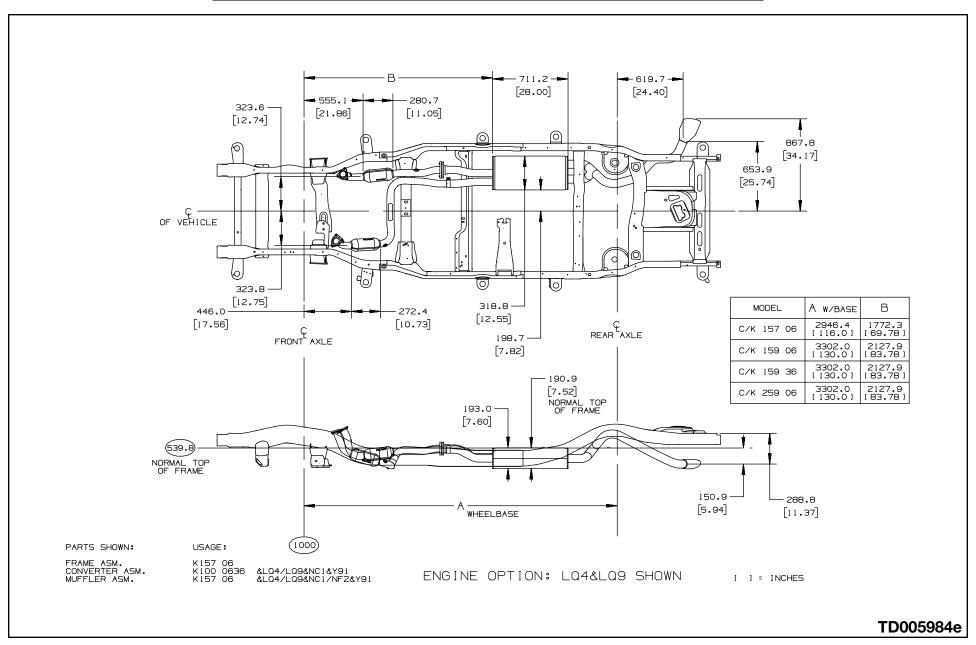
6.0 L V8 Gas Engine, Pickup, Option LQ4 w/NYS (Quad Steering)



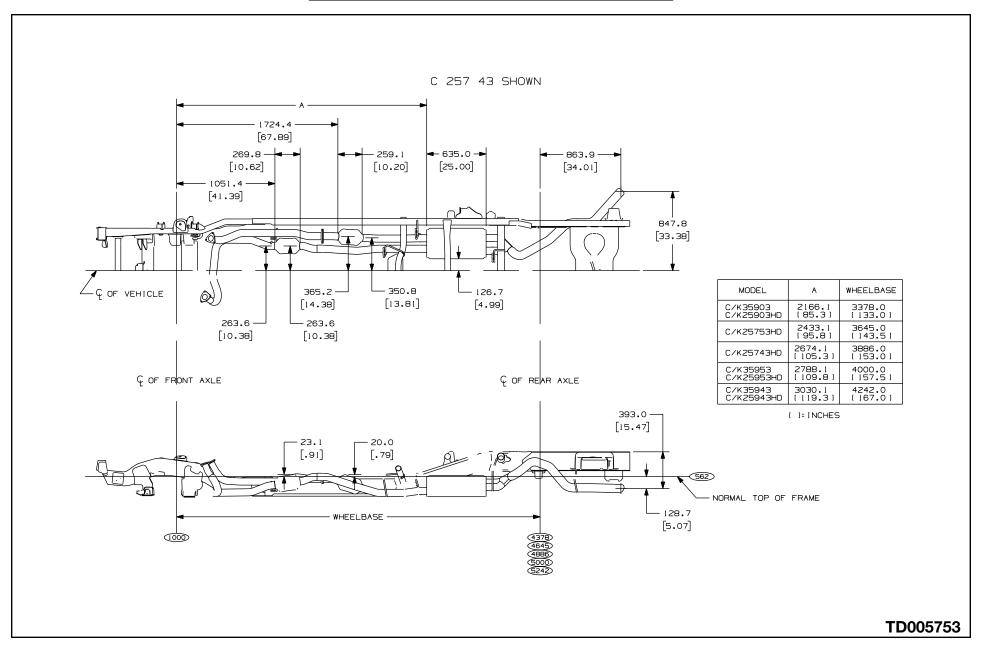
5.3 L V8 Gas Engine, Utility, Option LM7



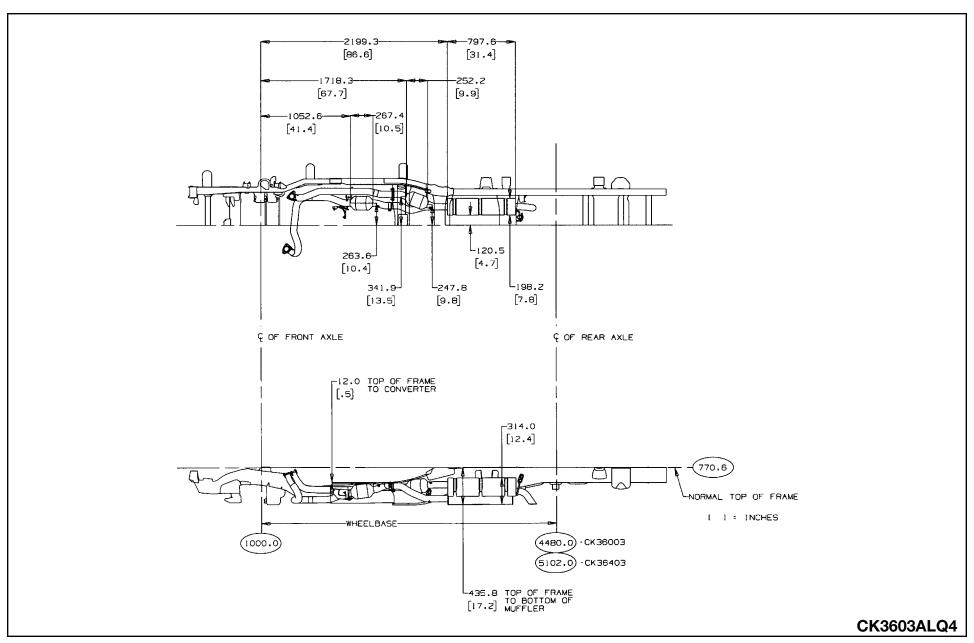
6.0 L V8 Gas Engine, Utility, Option LQ4 and LQ9



8.1 L V8 Gas Engine, Option L18



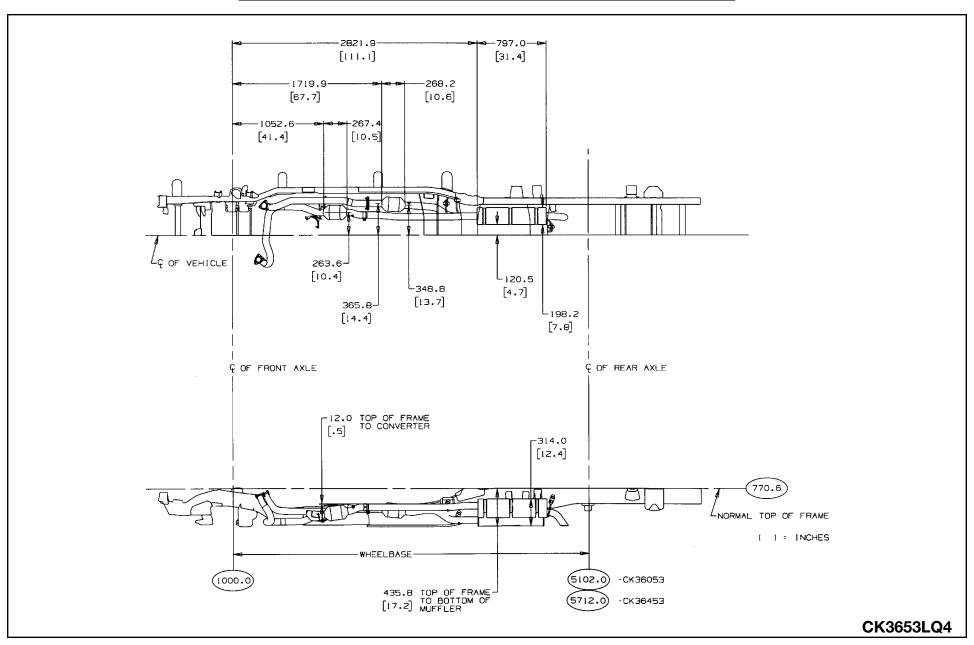
C/K 36 (03) 8.1 L V8 Gas Engine, Option L18



2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

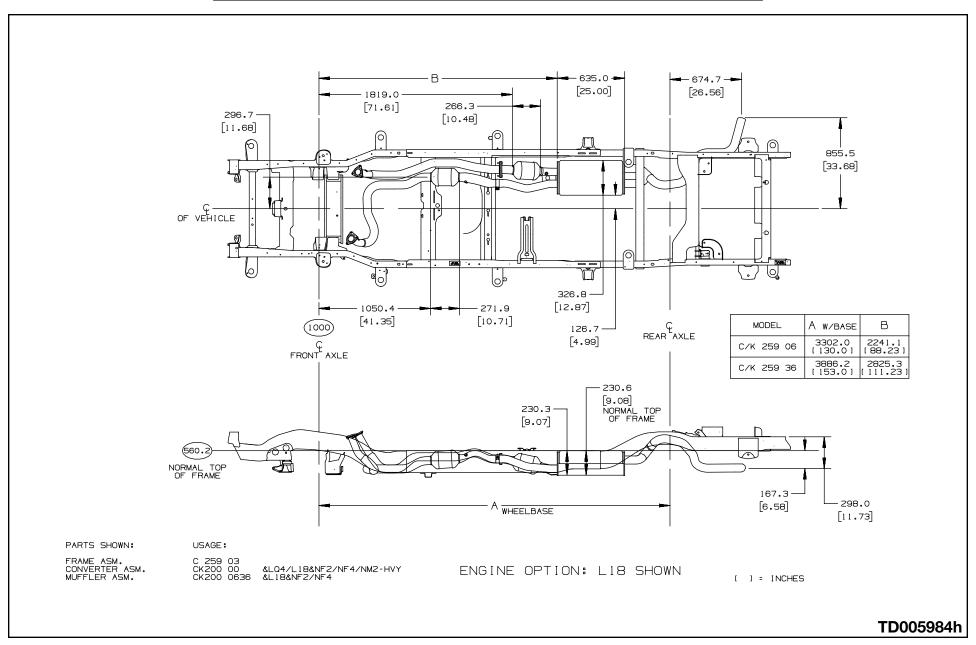
189 Bge

C/K 36 (53) 8.1 L V8 Gas Engine, Option L18

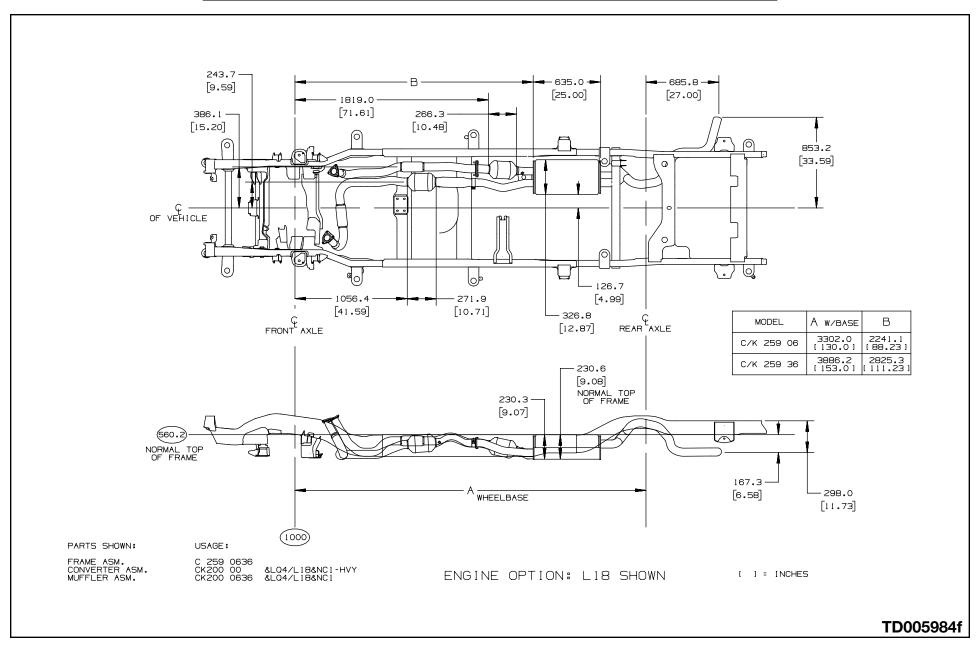


190 PAGE

8.1 L V8 Gas Engine, Utility, Option L18 (Federal)

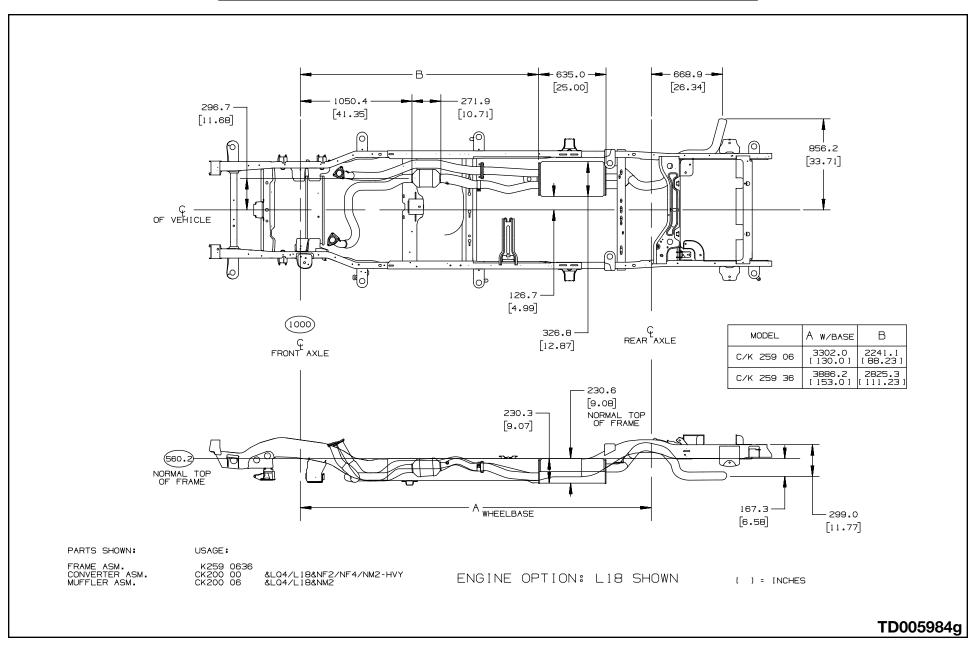


8.1 L V8 Gas Engine, Utility, Option L18 (California)



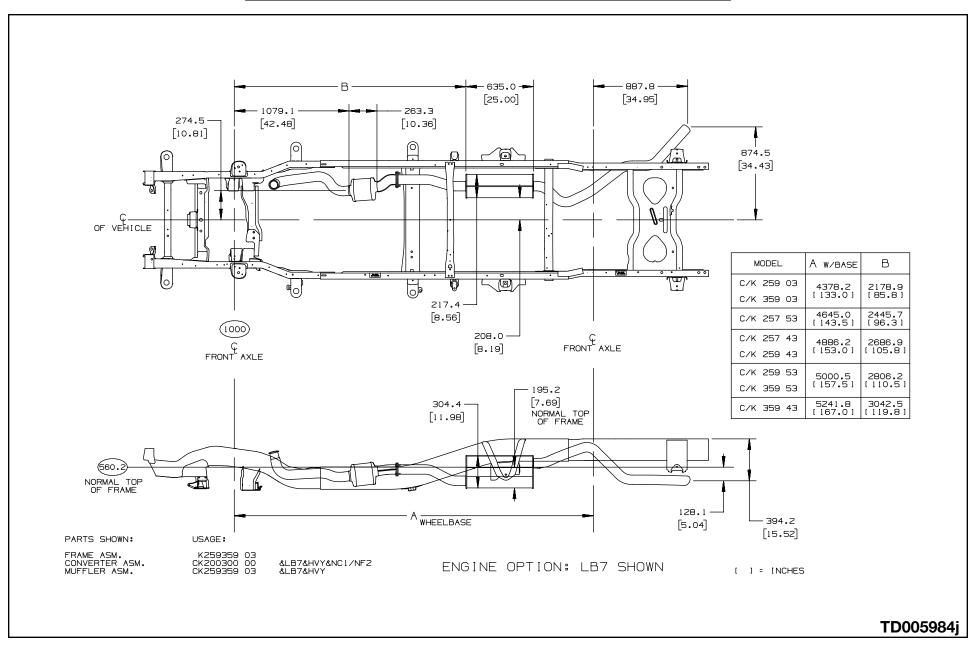
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8.1 L V8 Gas Engine, Utility, Option L18 (Export)



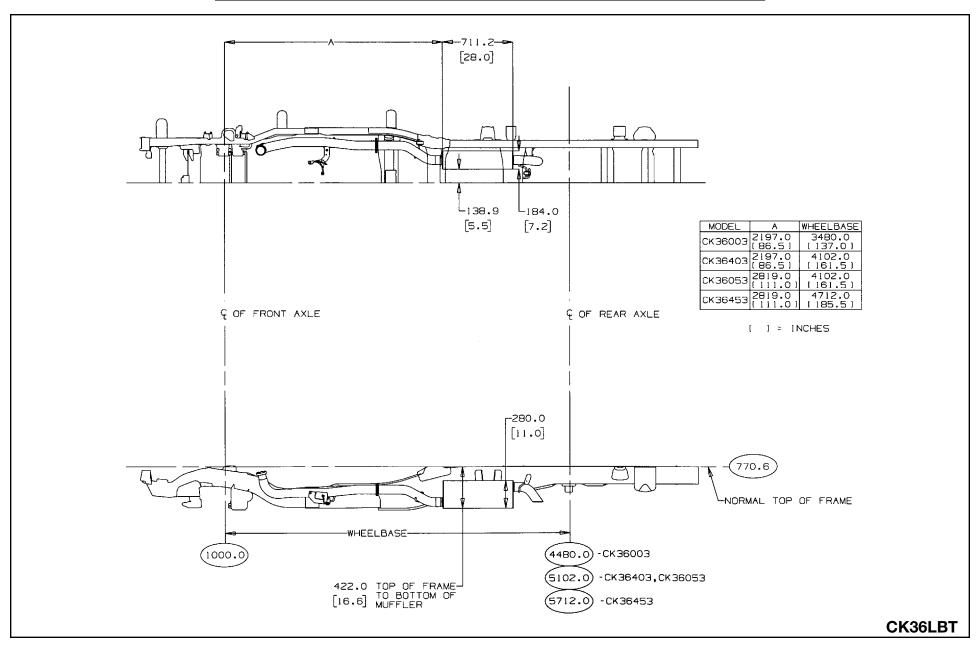
불 193

6.6 L V8 Diesel Engine, Pickup, Option LB7



194

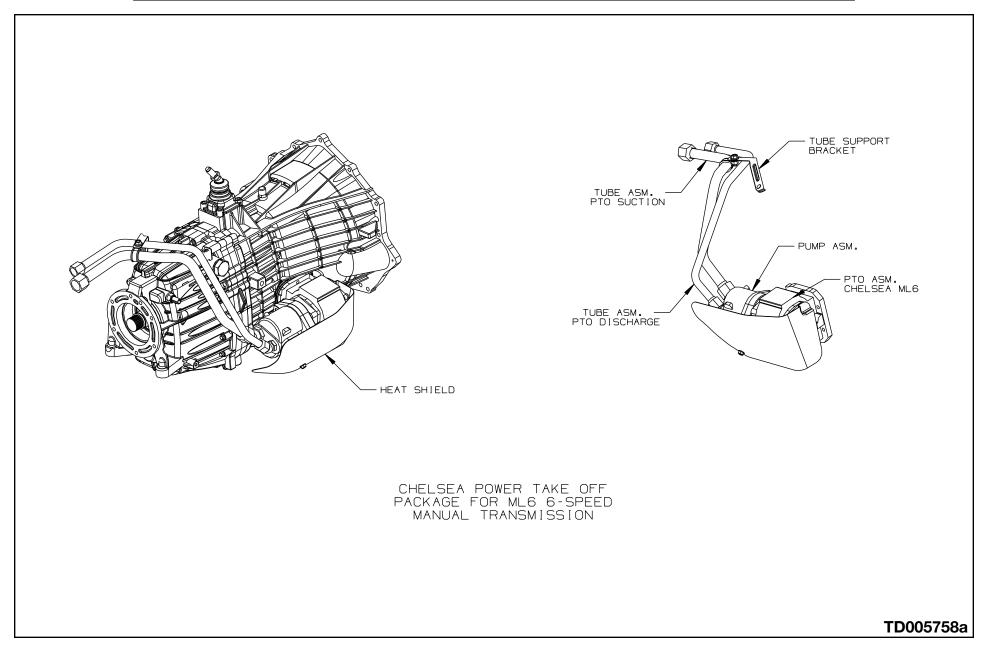
6.6 L V8 Diesel Engine, Chassis Cab, Option LB7



2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

195

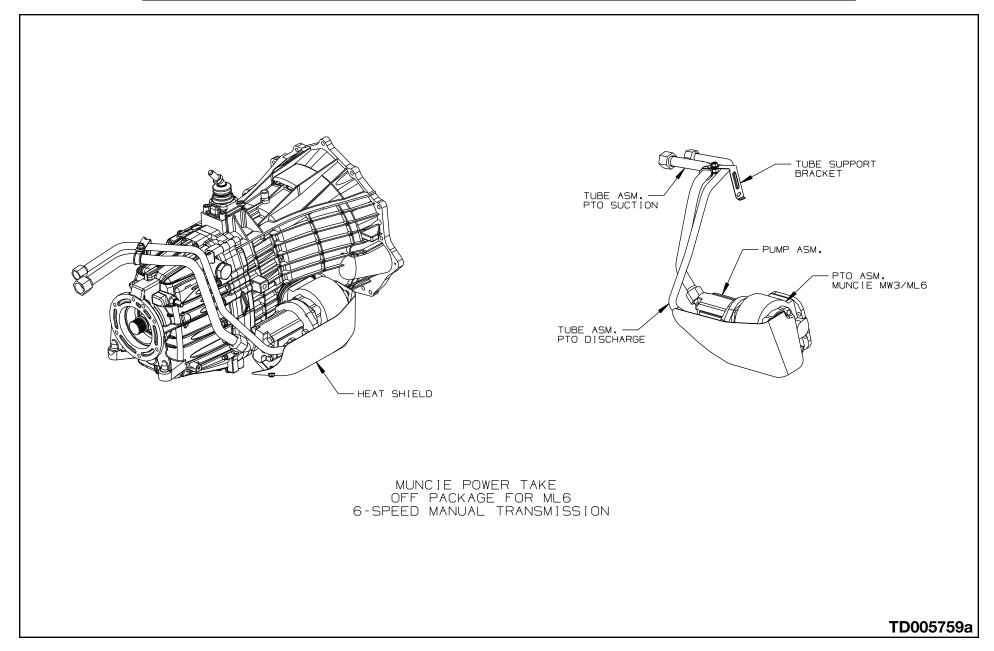
C/K 36 Power Take Off (Chelsea) 6 Speed Manual Transmission



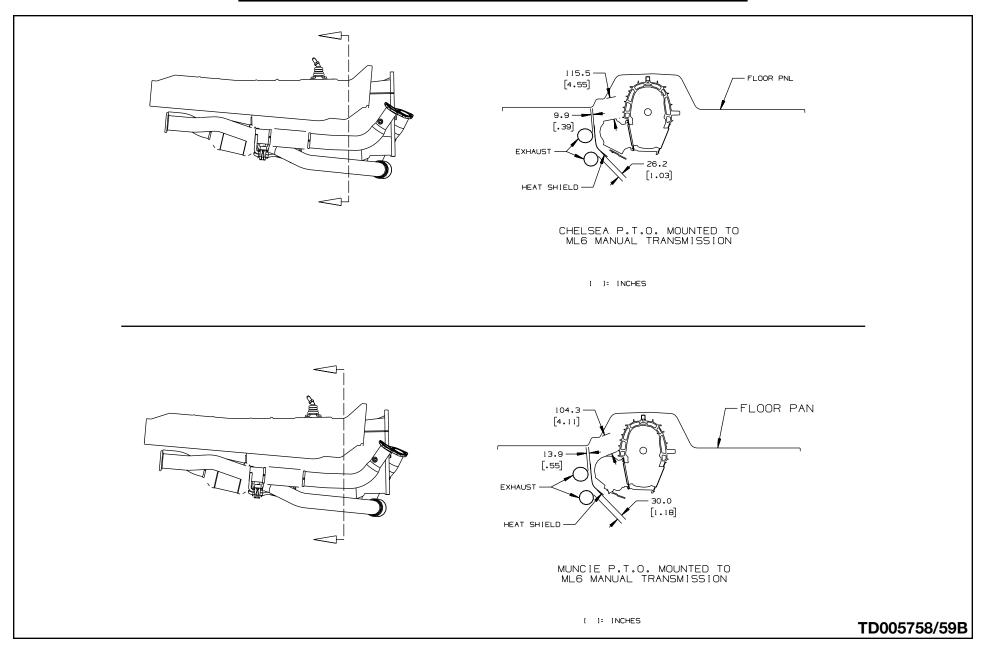
2005 & BEYOND C/K FULL SIZE TRUCKS (PICKUPS, UTILITIES AND CHASSIS-CABS)

#g 196

C/K 36 Power Take Off (Muncie) 6 Speed Manual Transmission

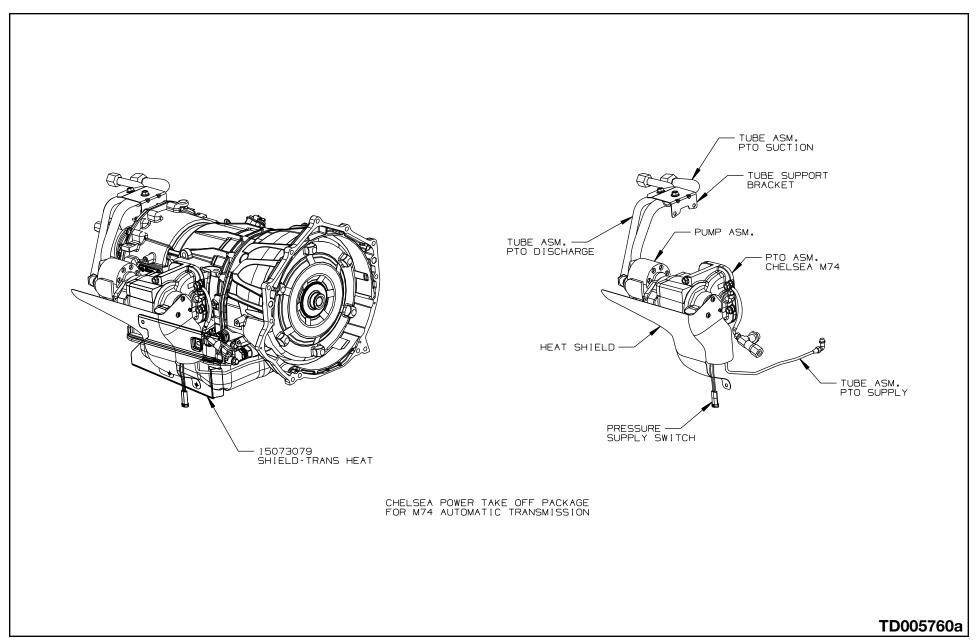


C/K 36 Power Take Off Manual Transmission



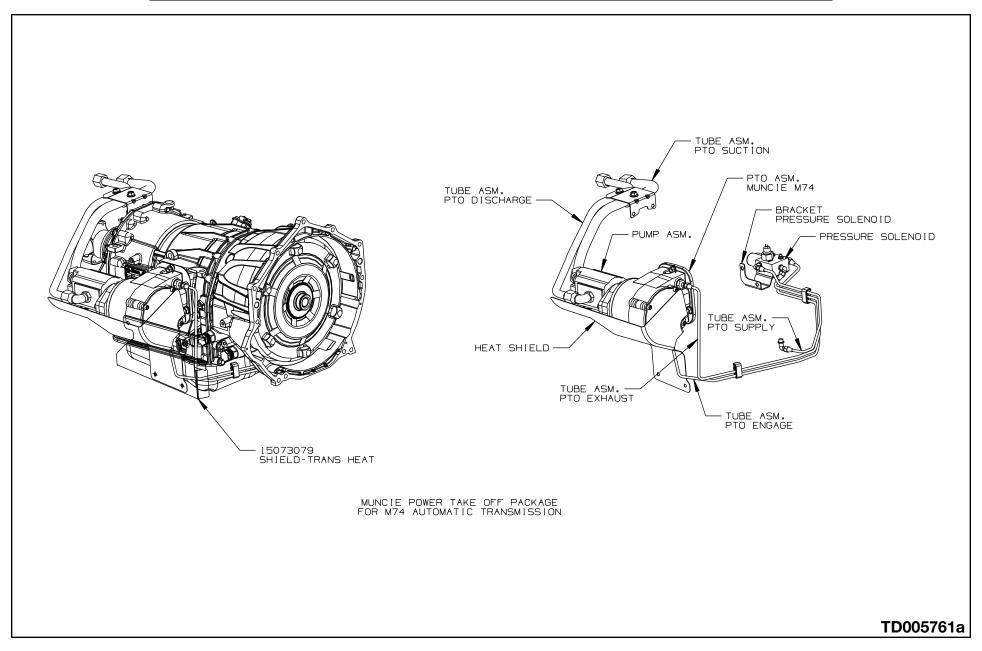
198

C/K 36 Power Take Off (Chelsea) 5 Speed Auto Transmission

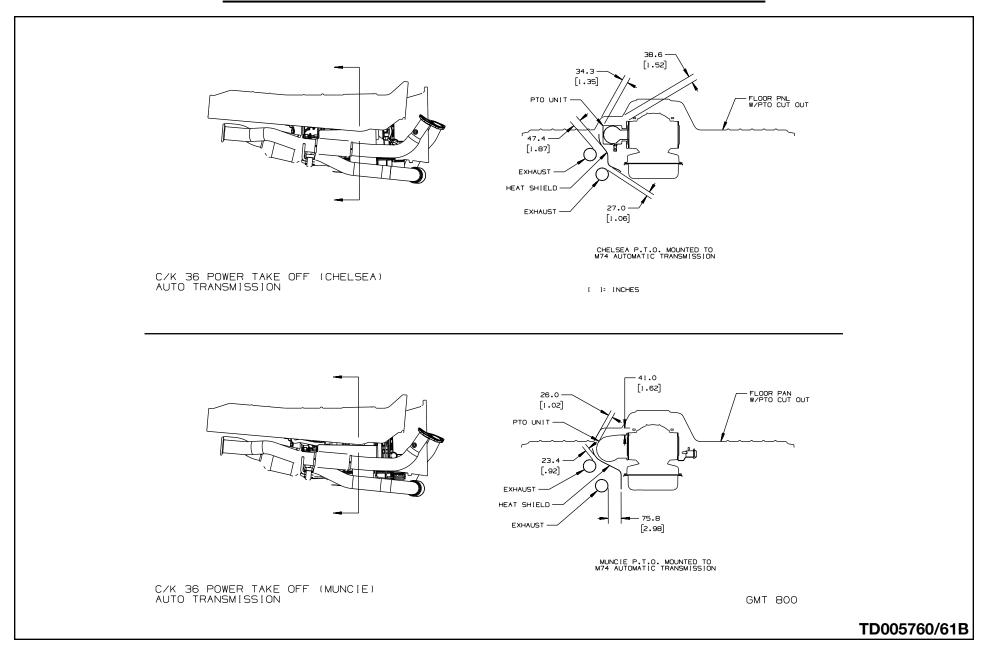


199 Age

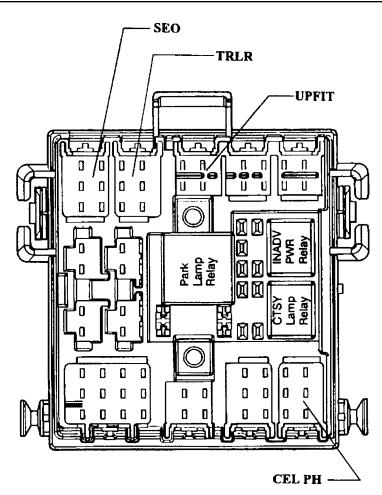
C/K 36 Power Take Off (Muncie) 5 Speed Auto Transmission



C/K 36 Power Take Off Automatic Transmission

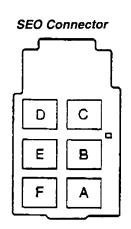


Mid Bussed Electrical Center (MBEC)



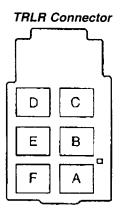
The Mid Bussed Electrical Center (MBEC) is located underneath the instrument panel to the left of the steering column. The MBEC provides access to a number of circuits that upfitters use. These circuits include: Battery, Ground, Ignition, Park Lamp, Speed Signal, etc. The connectors shown above may be used to obtain these feeds provided that they are not used for other purposes (i.e., RPO's, SEO's Trailer Tow, etc.). Please refer to the Circuit Function Charts of these connectors for the circuits, connector part numbers and related information.

MBEC, SEO and Trailer Connector



Mating Part: 12193930 Color: Black

<u>Cavity</u>	Wire Color	Circuit No.	<u>Function</u>
Α	ORN	2340	Hot at all times
В			Not used
С	BLK	2550	Ground
D	YEL	243	Hot in Accessory or Run
Ē	PNK	739	Hot in Run or Start
F	ORN	2240	Hot at all times



Mating Part: 12193924 Color: Brown

Cavity	Wire Color	Circuit No.	<u>Function</u>
Α	BLU LT	1620	Trailer Brake Switch Feed
В	RED	142	Hot at all times 1)
С	BLU DK	47	Trailer Brake Feed 21
D	BRN	2409	Interior Park Lamp Feed
E			Not used
F	BLK	1 8 50	Ground

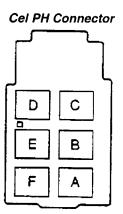
MBEC, Upfit and Cell Phone Connector

Upfit Connector

Connector face not available at time of printing

Mating Part: 12194033 Color: Cream

<u>Cavity</u>	Wire Color	Circuit No.	Function
Α	WHT	156	Courtesy Lamp Output
В			Not used
С	DK GRN w/WHT	817	Vehicle Speed Signal
D	ORN	2240	Hot at all times



Mating Part: 12193928 Color: Gray

Cavity	Wire Color	Circuit No.	<u>Function</u>
Α	ORN	2240	Hot at all times
В	DK GRN	835	Diagnostic Signal (E&C)
С	YEL	243	Hot in Accessory or Run
D	ORN	1044	Serial Data Link
E	PNK	739	Hot in Run or Start
F	BLK	1850	Ground