

ANNEXE "A"

REG.381

FORMULAIRE DE SOUMISSION

DATE D'OUVERTURE :	MARDI, 3 AVRIL 2018
HEURE D'OUVERTURE :	14 h 00
PRIX VALIDE POUR :	90 jours de calendrier
RESPONSABLE DE L'APPEL D'OFFRES :	Monsieur Nicolas Lessard Dupont, directeur général Tél. : (418) 867-2205 poste 2

VEUILLEZ SOUMISSIONNER EN UTILISANT LE PRÉSENT FORMULAIRE ET LE RETOURNER DANS L'ENVELOPPE CI-JOINTE EN TROIS COPIES. Veuillez également produire, en trois copies, les documents afférents à votre soumission. TOUS LES PRIX INDIQUÉS SONT DES PRIX FORFAITAIRES COMPRENANT LES DROITS DE DOUANES CANADIENNES, LES TAXES FÉDÉRALES ET PROVINCIALES DE VENTE ET AUTRES. LES PRIX DOIVENT INCLURE TOUS LES FRAIS.

DESCRIPTION	QUANTITÉ	PRIX UNITAIRE	PRIX TOTAL
CAMION 10 ROUES Conforme au devis technique et addenda #1 (voir notes dans les remarques du devis techniques pour équivalents et/ou améliorations proposés)	1	160,700.00 \$	160,700.00 \$
Taxe (TPS : 5%) :			8,035.00 \$
Taxe (TVQ : 9,975 %) :			16,029.83 \$
GRAND TOTAL TAXES INCLUSES :			184,764.83 \$
Délai de livraison du véhicule (<u>maximum 100 jours</u>): <u>Entre 100 et 150 jours suivant la confirmation de commande (voir addenda #1)</u>			

DÉCLARATIONS DU SOUMISSIONNAIRE :

Le soumissionnaire reconnaît qu'il comprend toutes les clauses du présent appel d'offres et qu'il a reçu à sa demande des explications adéquates sur celles-ci.

Après avoir examiné attentivement les documents du présent appel d'offres, le soumissionnaire s'engage à fournir l'équipement faisant l'objet du présent appel d'offres, le tout pour le prix indiqué ci-haut.

Nom du soumissionnaire :	Carrefour du Camion RDL
Signature :	 / Denis Morin, président

MUNICIPALITÉ DE SAINT-ARSÈNE

Achat d'un camion 10 roues

Appel d'offres 2018-002

FORMULAIRE DE SOUMISSION

Le soumissionnaire comprend que la Municipalité de Saint-Arsène ne s'engage à accepter ni la plus basse, ni aucune des soumissions reçues, ni à encourir aucune obligation, ni aucun frais d'aucune sorte envers le ou les soumissionnaires.

Par la présente, j'affirme que si des communications d'influence ont eu lieu pour l'obtention du contrat, elles l'ont été conformément à la « *Loi sur la transparence et l'éthique en matière de lobbyisme* » et au « *Code de déontologie des lobbyistes* » et que ma soumission est établie sans collusion, communication, entente ou arrangement avec un concurrent notamment, relativement aux prix, aux méthodes, aux facteurs ou aux formules pour établir les prix, à la décision de présenter ou de ne pas présenter une soumission.

J'affirme que je suis admissible à soumissionner pour le présent contrat conformément aux lois et règlements applicables, dont notamment la « *Loi sur les contrats des organismes publics* » et le « *Règlement sur le registre des entreprises non admissibles aux contrats publics et sur les mesures de surveillance et d'accompagnement* ».

Je m'engage avant de conclure tout sous-contrat requis pour l'exécution du présent contrat à m'assurer que chaque sous-traitant est admissible et n'est pas inscrit au registre des entreprises non admissibles aux contrats publics ou s'il est inscrit, que sa période d'inadmissibilité aux contrats publics est terminée.

Je m'engage à transmettre à la Municipalité, avant l'exécution du présent contrat, une liste indiquant pour chaque sous-contrat, les informations suivantes : le nom et l'adresse du principal établissement du sous-traitant, le montant et la date du contrat de sous-traitance. Je m'engage également à produire tout au long de l'exécution du présent contrat, une liste modifiée et à jour des sous-contractants et ce, avant l'exécution de tout autre sous-contrat et comportant les informations ci-dessus.

J'affirme également que, depuis les cinq (5) dernières années, je n'ai pas été déclaré coupable de collusion, de manœuvre frauduleuse ou autres actes de même nature ou tenu responsable de tels actes, à l'occasion d'un appel d'offres, par une décision finale d'un tribunal, d'un organisme ou d'une personne exerçant des fonctions judiciaires ou quasi judiciaires.

RAISON SOCIALE : Carrefour du Camion RDL

NUMÉRO D'ENTREPRISE DU QUÉBEC (NEQ) : 1146185203

ADRESSE : 100, boulevard Industriel, C.P. 325

VILLE : Rivière-du-Loup

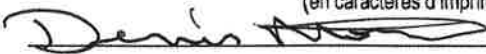
PROVINCE : Québec **CODE POSTAL :** G5R 3Y9

TÉLÉPHONE : 418-862-3192 **TÉLÉCOPIEUR :** 418-867-5702

COURRIEL : administration@freightlinerrdl.com

TPS N° : R887216083 **TVQ N° :** 1019850982FA0001

NOM DE LA PERSONNE AUTORISÉE : Denis Morin, président

SIGNATURE DE LA PERSONNE AUTORISÉE :  (en caractères d'imprimerie)

DATE : 2 avril 2018 (joindre résolution si cie)

MUNICIPALITÉ DE SAINT-ARSENÈ
Achat d'un camion 10 roues
Appel d'offres 2018-002

PRÉPARÉ POUR
« Prepared for » :
Municipalité St-Arsène
63, rue de l'Église
St-Arsène, QC G0L 2K
Phone: 418-867-2205

PRÉPARÉ PAR
« Prepared by »:
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Phone: 418-862-3192

UNE PROPOSITION POUR
« A proposal for »
Municipalité de Saint-Arsène



PRÉPARÉE PAR
« Prepared by »
Carrefour du Camion RDL
Edith Lagacé

30 MARS 2018
« Mar. 30, 2018 »

WESTERN STAR 4700SF



LES COMPOSANTS MONTRÉS PEUVENT NE PAS REFLÉTER TOUTES LES OPTIONS SÉLECTIONNÉES ET NE SONT PAS À L'ÉCHELLE
« Components shown may not reflect all spec'd options and are not to scale »

AO mars 2018
Camion déneigement



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S P É C I F I C A T I O N S P R O P O S É E S « S P E C I F I C A T I O N P R O P O S A L »

CODE DE DONNÉES «Data Code»	DESCRIPTION «Description»	POIDS AVANT «Weight Front»	POIDS ARRIÈRE «Weight Rear»
NIVEAU DE PRIX « Price level »			
PRL-17T	WESTERN STAR 4700 PRL-17T (EFF 11/14/17)		
CONFIGURATION DU VÉHICULE « Vehicle configuration »			
001-450	CHÂSSIS 4700 A ESSIEU AVANT AVANCÉ « 4700 set-forward front axle chassis »	9,135	6,720
004-219	ANNÉE MODÈLE SPÉCIFIÉE: 2019 « 2019 model year specified »		
002-003	CAMION-PORTEUR – ESSIEU AVANT AVANCÉ « Set forward axle - truck »		
019-001	PROVISION POUR REMORQUE AU BOUT DU CHÂSSIS POUR CAMION-PORTEUR « Trailer towing provision at end of frame for truck »	10	10
003-001	EMPLACEMENT PRIMAIRE DE LA CONDUITE À GAUCHE « LH primary steering location »		
SERVICE GÉNÉRAL « General service »			
AA1-003	CONFIGURATION CAMION-PORTEUR/REMORQUE « Truck/trailer configuration »		
AA6-033	DOMICILE: CANADA (QUÉBEC) « Domiciled, Canada (Quebec) »		
A85-010	APPLICATION SERVICE UTILITÉ/RÉPARATION/MAINTENANCE « Utility/repair/maintenance service »		
A84-1GM	SEGMENT D'AFFAIRES GOUVERNEMENTAL « Government business segment »		
AA4-010	COMMODITÉS POUR POUSSIÈRE/SABLE/ROC « Dirt/sand/rock commodity »		
AA5-002	TERRAIN D'UTILISATION: 100% (TOUT) LE TEMPS, EN TRANSIT, PASSÉ SUR ROUTES PAVÉES « Terrain/duty: 100% (all) of the time, in transit, is spent on paved roads »		
AB1-008	DEGRÉ DE DÉNIVELLATION MAXIMALE REQUISE 8% « Maximum 8% expected grade »		
AB5-001	SURFACE DE CHAUSSEE BÉTON LISSE OU ASPHALTÉE – SURFACE PLUS SÉVÈRE EN TRANSIT (ENTRE LES SITES) « Smooth concrete or asphalt pavement - most severe in-transit (between sites) road surface »		
995-1A5	GARANTIE WESTERN STAR VOCATIONELLE « Western star vocational warranty »		
A66-99D	CAPACITÉ DE CHARGE REQUISE ESSIEU AVANT: 22,000 LBS « Expected front axle(s) load : 22000.0 lbs »		

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A68-99D	CAPACITÉ DE CHARGE REQUISE DIFFÉRENTIELS ARRIÈRE : 46,000 LBS « Expected rear drive axle(s) load : 46000.0 lbs »		
A63-99D	CAPACITÉ COMBINÉE DE CHARGE DU VÉHICULE REQUISE: 68,000 LBS « Expected gross vehicle weight capacity : 68000.0 lbs »		
SERVICE CAMION-PORTEUR « Truck service »			
AA3-018	CHARRUE AVANT / BENNE DÉVERSOIR ARRIÈRE « Front plow / end dump body »		
MOTEUR « Engine »			
101-2XY	DD13 12.8L 505 hp @ 1625 rpm, 1900 gov RPM, 1850 lb/ft @ 975 rpm		
PARAMÈTRES ÉLECTRONIQUES « Electronic parameters »			
79A-065	LIMITE DE VITESSE SUR LA ROUTE 65 MPH « 65 mph road speed limit »		
79B-000	LIMITE DE VITESSE DE CROISIÈRE IDENTIQUE À LA LIMITE SUR LA ROUTE « Cruise control speed limit same as road speed limit »		
ÉQUIPEMENT MOTEUR « Engine equipment »			
99C-017	CERTIFICATION D'ÉMISSIONS DIAGNOSTIQUES INTÉGRÉS 2016/ EPA 2010/CARB / GHG17 «2016 onboard diagnostics/2010 epa/carb/ ghg17 »		
99D-011	CERTIFICATION D'ÉMISSION CARB 2008 – RALENTI PROPRE (INCLUS ÉTIQUETTE 6X4" AU COIN AVANT BAS DE LA PORTE DU CONDUCTEUR « 2008 carb emission certification – clean idle (includes 6X4 inch label on lower forward corner of driver door) »		
105-001	VÉRIFICATION ET REMPLISSAGE D'HUILE MONTÉ SUR MOTEUR « Engine mounted oil check and fill »		
014-108	ENTRÉE D'AIR DANS LE CÔTÉ DU CAPOT AVEC FILTRE A AIR DONALDSON MONTÉ AU MUR COUPE-FEU AVEC VOLET DE SÉCURITÉ ET TRAPPE POUR PRISE D'AIR INTÉRIEUR/ EXTÉRIEUR « Side of hood air intake with firewall mounted Donaldson air cleaner with safety element and inside/outside air with snow door »	10	
124-1D7	ALTERNATEUR DR 28-SI, 12 VOLTS, 160 AMPÈRES, PADE DE MONTAGE QUADRUPLE AVEC SENSEUR EXTERNE DU VOLTAGE DES BATTERIES « DR 12V 160 amp 28-SI quadramount pad alternator with remote battery volt sense »		
292-161	(3) BATTERIES ALLIANCE AGM FAHRENHEIT, GROUPE 31, 12 VOLTS, SANS ENTRETIEN, 2775 CCA, PÔLES FILETÉS « (3) Alliance absorbed glass mat model fahrenheit, group 31, 12 volt maintenance free 2775 CCA threaded stud batteries »		

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290-1AC	SIÈGE PASSAGER SERVANT DE COFFRE À BATTERIES AVEC VENTILATION HORS DE LA CABINE « Passenger seat battery box vented to outside of cab »	-70	-25
282-013	COFFRE À BATTERIES MONTÉ SOUS LE SIÈGE PASSAGER « Battery box mounted under passenger seat »		
291-017	RETOUR DE MISE À LA TERRE POUR FILAGE DES BATTERIES AVEC RETOUR DE MISE À LA TERRE ADDITIONNEL POUR CHÂSSIS «Frame ground return for battery cables with additional frame ground return»		
289-006	COUVERCLE DE COFFRE À BATTERIES EN PLASTIQUE « Plastic battery box cover »		
293-058	COUPE-CIRCUIT POSITIF, INTERRUPTEUR DE CONTRÔLE DANS LA CABINE À L'EXTÉRIEUR DU SIÈGE CONDUCTEUR « Positive load disconnect with cab mounted control switch mounted outboard driver seat »	8	
295-029	BORNES DE SURVOLTAGE POSITIVE ET NÉGATIVE SITUÉES SUR LE CHÂSSIS, PRÈS DU DÉMARREUR « Positive and negative posts for jumpstart located on frame next to starter »	2	
107-044	COMPRESSEUR À AIR BENDIX MODÈLE BA-921 19.0 CFM, CYLINDRE UNIQUE AVEC VALVE DE SÛRETÉ « BW model BA-921 19.0 CFM single cylinder air compressor with safety valve »		
152-041	ARRÊT DU MOTEUR ÉLECTRONIQUE PAR SYSTÈME DE PROTECTION INTÉGRAL « Electronic engine integral shutdown protection system »		
128-002	FREIN DE COMPRESSION JACOBS « Jacobs compression brake »		
016-1C2	ENSEMBLE DU SYSTÈME DE POST-TRAITEMENT HORIZONTAL MONTÉ À DROITE À L'EXTÉRIEUR DU CHÂSSIS SOUS LE MARCHE-PIED AVEC TUYAU DE SORTIE VERTICAL MONTÉ AU POTEAU B DROIT « RH outboard under step mounted horizontal aftertreatment system assembly with RH B-pillar mounted vertical tailpipe »		
28F-002	DISPOSITIF DE POST-TRAITEMENT DU MOTEUR, RÉGÉNÉRATION AUTOMATIQUE SUR ROUTE ET INTERRUPTEUR AU TABLEAU DE BORD POUR RÉGÉNÉRATION/ANNULATION MANUELLE « Engine aftertreatment device, automatic over the road regeneration and dash mounted regeneration request/inhibit switch »		
239-050	LONGUEUR DU SYSTÈME D'ÉCHAPPEMENT 12'6" (150" +0/-5") « 12 foot 06 inch (150 inch +0/-5 inch) exhaust system length »		
233-017	TUYAU DE SORTIE SUPÉRIEUR AVEC COURBE STANDARD CHROMÉ « Standard curve bright upper stack(s) »		

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237-1CR	TUYAU DE SORTIE VERTICAL À DROITE COURBÉE MONTÉE AU POTEAU B À PARTIR DU MARCHE-PIED « RH curved vertical tailpipe B-pillar mounted routed from step »		
23U-002	RÉSERVOIR DE LIQUIDE D'ÉCHAPPEMENT DIÉSEL 13 GALLONS « 13 gallon diesel exhaust fluid tank »	35	10
23Z-002	COUVERCLE DE RÉSERVOIR DE LIQUIDE D'ÉCHAPPEMENT DIÉSEL EN ALUMINIUM A POINTE DIAMANT NON-POLI « Non-polished aluminium diamond plate diesel exhaust fluid tank cover »	20	10
43X-002	EMPLACEMENT DU RÉSERVOIR DE LIQUIDE D'ÉCHAPPEMENT DIÉSEL POUR SERVICE MOYEN STANDARD À GAUCHE « LH medium duty standard diesel exhaust fluid tank location »		
242-001	PROTECTEUR DE SYSTÈME DE POST-TRAITEMENT/ SILENCIEUX/TUYAU DE SORTIE EN ACIER INOXIDABLE « Stainless steel aftertreatment device/muffler/tailpipe shield »		
273-036	EMBRAYAGE ARRIÈRE DU VENTILATEUR BORG WARNER (KYSOR) DE TYPE ON/OFF « Borg Warner (Kysor) rear air on/off engine fan clutch »		
276-002	CONTRÔLE DE VENTILATEUR AUTOMATIQUE, AVEC INTERRUPTEUR ET LUMIÈRE INDICATRICE AU TABLEAU DE BORD, NON MONTÉ AU MOTEUR « Automatic fan control with dash switch and indicator light, non engine mounted »		
110-068	FILTRE À DIÉSEL SÉPARATEUR D'EAU FOURNI PAR DDC MONTÉ SUR MOTEUR AVEC INDICATEUR D'EAU DANS LE DIÉSEL « DDC supplied engine mounted fuel filter/fuel water separator with water- in-fuel indicator »		
118-001	FILTRE À HUILE COMBINÉ PLEIN DÉBIT « Full flow oil filter »		
266-057	RADIATEUR EN ALUMINIUM 1500 POUCES CARRÉ « 1500 square inch aluminum radiator »		
267-006	MONTAGE POUR RÉSERVOIR D'EXPANSION MONTÉ AU MUR COUPE-FEU « Mounting for firewall mounted surge tank »		
103-037	ANTIGEL ETHYLÈNE GLYCOL PRÉ-MÉLANGÉ SCA SERVICE SÉVÈRE -60°F « Antifreeze to -60F, ethylene glycol pre-charged sca heavy duty coolant »		
171-007	BOYAUX DU SYSTÈME DE REFROIDISSEMENT "GATES BLUE STRIPE" OU ÉQUIVALENT « Gates blue stripe coolant hoses or equivalent »		
172-001	COLLETS DE BOYAUX À TENSION CONSTANTE POUR BOYAUX DU SYSTÈME DE REFROIDISSEMENT « Constant tension hose clamps for coolant hoses »		

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CODE DE DONNÉES «Data Code»	DESCRIPTION «Description»	POIDS AVANT «Weight Front»	POIDS ARRIÈRE «Weight Rear»
270-023	POMPE D'ANTIGEL HDEP A VITESSE FIXE ET VALVE DE VIDANGE DU RADIATEUR « HDEP fixed speed coolant pump and radiator drain valve »		
168-002	PROTECTEUR AU BAS DU RADIATEUR « Lower radiator guard »		
138-005	CHAUFFE-BLOC PHILLIPS-TEMRO 1500 WATT/115 VOLTS « Phillips-Temro 1500 watt/115 volt block heater »		
166-005	CHAUFFE-PANNE PHILLIPS-TEMRO 300 WATT/115 VOLTS « Phillips-Temro 300 watt/115 volt oil pan heater »		
140-022	RÉCEPTACLE DU CHAUFFE-MOTEUR CHROMÉ MONTÉ SOUR LA PORTE GAUCHE « Chrome engine heater receptacle mounted under LH door »		
134-001	BOITIER DE VOLANT MOTEUR EN ALUMINIUM « Aluminium flywheel housing »		
155-075	DÉMARREUR MITSUBISHI 12 VOLTS, MOD 3.175- DP60 AVEC INTERRUPTEUR MAGNÉTIQUE INTÉGRÉ « Mitsubishi 12V mod 3.175-DP60 starter with integrated magnetic switch »		
TRANSMISSION « Transmission »			
342-1M3	TRANSMISSION AUTOMATIQUE ALLISON 4500RDS AVEC PROVISION POUR PRISE DE FORCE « Allison 4500RDS automatic transmission with PTO provision »	170	50
ÉQUIPEMENT TRANSMISSION « Transmission equipment »			
343-339	ENSEMBLE ALLISON VOCATIONNEL 223 – DISPONIBLE SUR LES PRODUITS DE FAMILLE 300/4000 AVEC MODÈLES VOCATIONNELS RDS, HS, MH ET TRV «Allison vocational package 223 – available on 3000/4000 products families with vocational models RDS, HS, MH and TRV »		
84B-012	CALIBRATION ALLISON VOCATIONNEL POUR SUR ET HORS ROUTE APPLICATION DISPONIBLE AVEC TOUTE LA GAMME DE PRODUITS « Allison vocational rating for on/off highway applications available with all product families »		
84C-023	MODE PRINCIPAL D'ENGRENAGE : PLUS BAS ENGRENAGE 1 ; ENGRENAGE DE DÉPART 1 ; ENGRENAGE LE PLUS ÉLEVÉ 6 ; DISPONIBLE POUR LA GAMME DE PRODUITS 3000/4000 SEULEMENT « Primary mode gears, lowest gear 1, start gear 1, highest gear 6, available for 3000/4000 product families only »		
84D-023	MODE SECONDAIRE D'ENGRENAGE : PLUS BAS ENGRENAGE 1 ; ENGRENAGE DE DÉPART 1 ; ENGRENAGE LE PLUS ÉLEVÉ 6 ; DISPONIBLE POUR LA GAMME DE PRODUITS 3000/4000 SEULEMENT « Primary mode gears, lowest gear 1, start gear 1, highest gear 6, available for 3000/4000 product families only »		

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34C-010	CONNECTEUR MONTÉ ENTRE LE SIÈGE CHAUFFEUR ET LE SIÈGE PASSAGER POUR ACCÈS DU CLIENT À LA TRANSMISSION ÉLECTRONIQUE « Electronic transmission customer access connector, blunt cut, mounted between driver and passenger seats »		
362-035	PRISE DE FORCE CHELSEA SÉRIE 280 FOURNIE PAR LE CLIENT « Customer installed Chelsea 280 series pto »		
363-001	MONTAGE DE PRISE DE FORCE À GAUCHE DE LA TRANSMISSION PRINCIPALE « PTO mounting LH side of main transmission »		
341-018	BOUCHONS MAGNÉTIQUES, VIDANGE MOTEUR, VIDANGE TRANSMISSION, DIFFÉRENTIELS REMPLISSAGE ET VIDANGE « Magnetic plugs, engine drain, transmission drain, axle(s) fill and drain »		
345-003	CONTRÔLE ÉLECTRONIQUE D'EMBRAYAGE À BOUTONS POUSOIR MONTÉ AU TABLEAU DE BORD « Push button electronic shift control, dash mounted »		
97G-004	PRONOSTIQUES DE TRANSMISSION ACTIVÉS - 2013 « Transmission prognostics – enabled 2013 »		
370-011	REFROIDISSEUR DE TRANSMISSION EAU À HUILE, MONTÉ AU CHÂSSIS « Water to oil transmission cooler, frame mounted »	15	
346-003	VÉRIFICATION D'HUILE TRANSMISSION ET REMPLISSAGE AVEC VÉRIFICATION DU NIVEAU D'HUILE ÉLECTRONIQUE « Transmission oil check and fill with electronic oil level check »		
35T-001	LUBRIFIANT DE TRANSMISSION SYNTHÉTIQUE (CONFORME TES-295) « Synthetic transmission fluid (TES-295 compliant) »		
ESSIEU AVANT ET ÉQUIPEMENT « Front axle and equipment »			
400-1EB	ESSIEU AVANT SIMPLE MFS-20-133A 22,000LBS FL1 71.0 KPI/3.74 SURBAISSÉ « MFS-20-133A 22,000# FL1 71.0 KPI/3.74 drop single front axle »	60	
402-078	FREINS AVANT MERITOR 16.5X6, 22,000 LBS, Q+ À CAM ARAIGNÉE, MONTAGE DES SABOTS À DOUBLE ANCRAGE « Meritor 16.5X6 Q+ 22,000# cast spider cam front brakes, double anchor, fabricated shoes »	10	
403-002	DOUBLURE DE FREINS AVANT SANS AMIANTE « Non-asbestos front brake lining »		
419-023	TAMBOUR DE FREIN AVANT EN FONTE CONMET « Conmet cast iron front brake drums »		
427-001	PARE-POUSSIÈRE AUX FREINS AVANT « Front brake dust shields »	5	
409-006	JOINTS D'ÉTANCHÉITÉ AVANT « Front oil seals »		

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408-001	EMBOUS DE MOYEURS AVANT VENTILÉS - HUILE « Vented front hub caps - oil »		
416-022	NOIX DE FUSÉE STANDARD POUR TOUS LES ESSIEUX « Standard spindle nuts for all axles »		
405-002	AJUSTEURS DE JEU AVANT AUTOMATIQUE MERITOR « Meritor automatic front slack adjusters »		
536-051	DIRECTION ASSISTÉE TRW THP-60 AVEC ENGRENAGE AUXILIAIRE RCH60 « TRW THP-60 power steering with RCH60 auxiliary gear »		
539-003	POMPE POUR DIRECTION ASSISTÉE « Power steering pump »		
534-003	RÉSERVOIR POUR DIRECTION ASSISTÉE 4 LITRES « 4 quart power steering reservoir »	5	
533-001	REFROIDISSEUR DE DIRECTION ASSISTÉE HUILE/AIR « Oil/air power steering cooler »		
40T-002	LUBRIFIANT ESSIEU AVANT SYNTHÉTIQUE 75W90 « Synthetic 75W-90 front axle lube »		
SUSPENSION AVANT « Front suspension »			
620-068	SUSPENSION AVANT 23,000LBS À LAMES PLATES (FLATLEAF) « 23,000# flatleaf front suspension »	120	
619-004	BAGUES EN GRAPHITE BRONZE SCELLÉS - SUSPENSION AVANT « Graphite bronze bushings with seals - front suspension »		
410-001	AMORTISSEURS AVANT « Front shock absorbers »		
DIFFÉRENTIELS ARRIÈRE ET ÉQUIPEMENT « Rear axle and equipment »			
420-059	DIFFÉRENTIEL ARRIÈRE EN TANDEM RT-46-164P, 46,000 LBS SÉRIE R « RT-46-164P 46,000# R-series single rear axle »		580
421-489	RAPPORT DE DIFFÉRENTIEL ARRIÈRE 4.89 « 4.89 rear axle ratio »		
424-001	TRANSPORTEUR DE DIFFÉRENTIEL ARRIÈRE EN FER AVEC BOITIER D'ESSIEU STANDARD « Iron rear axle carrier with standard axle housing »		-30
386-019	ARBRE DE TRANSMISSION PRINCIPAL DANA SPICER SPL280HD XL AVEC CONNECTEURS RONDS « SPL280HD XL Dana Spicer main driveline with full round yokes »	40	40
388-012	ARBRE DE TRANSMISSION INTER-ESSIEUX DANA SPICER SPL170 XL AVEC CONNECTEURS RONDS « SPL170 XL Dana Spicer interaxle driveline with full round yokes »		10
452-006	CONTRÔLE DE TRACTION PAR LE CONDUCTEUR SUR LES DEUX ESSIEUX DU TANDEM ARRIÈRE « Driver controlled traction differential – both tandem rear axles »		30

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CODE DE DONNÉES «Data Code»	DESCRIPTION «Description»	POIDS AVANT «Weight Front»	POIDS ARRIÈRE «Weight Rear»
878-022	VALVE DE BARRURE (1) INTER-ESSIEUX, VALVE DE BARRURE (1) DE DIFFÉRENTIEL AVANT-ARRIÈRE ET VALVE DE BARRURE (1) ARRIÈRE-ARRIÈRE CONTRÔLÉ PAR LE CONDUCTEUR « (1) interaxle lock valve, (1) driver controlled differential lock forward-rear and (1) rear-rear axle valve »		
87A-005	LUMIÈRE INDICATRICE POUR CHAQUE POSITION DE L'INTERRUPTEUR POUR BARRURE INTER-ESSIEU « Indicator light for each interaxle lockout switch »		
87B-008	LUMIÈRE INDICATRICE POUR CHAQUE POSITION DE L'INTERRUPTEUR POUR CONTRÔLE DE TRACTION PAR LE CONDUCTEUR « Indicator light for each driver controlled traction device switch »		
423-020	FREINS ARRIÈRE MERITOR 16.5X7 Q+ CAME ARAIGNÉE, DOUBLE ANCRAGE, SABOTS FABRIQUÉS « Meritor 16.5X7 Q+ cast spider cam rear brakes, double anchor, fabricated shoes »		
433-002	DOUBLURE DE FREINS ARRIÈRE SANS AMIANTE « Non-asbestos rear brake lining »		
434-005	CAMES DE FREINS ET CHAMBRES DU CÔTÉ AVANT DE L'ESSIEU DIRECTEUR AVEC ATTACHES DE SUPPORT AUXILIAIRES « Brake cams and chambers on forward side of drive axle(s) with auxiliary support brackets »		
451-023	TAMBOURS DE FREINS ARRIÈRE EN FONTE CONMET « Conmet cast iron rear brake drums »		
425-002	PARE-POUSSIÈRE AUX FREINS ARRIÈRE «Rear brake dust shields »		10
440-006	JOINTS D'ÉTANCHÉITÉ ARRIÈRE « Rear oil seals »		
426-1B3	CHAMBRES À RESSORTS POUR FREIN DE STATIONNEMENT SUR 2 ESSIEUX DIRECTEURS "BENDIX EVERSURE LONGSTROKE" « Bendix eversure longstroke 2-drive axle spring parking chambers »		
428-002	AJUSTEUR DE JEU ARRIÈRE AUTOMATIQUE MERITOR « Meritor automatic rear slack adjusters »		
41T-002	LUBRIFIANT DIFFÉRENTIEL ARRIÈRE SYNTHÉTIQUE 75W90 « Synthetic 75W-90 rear axle lube »		
SUSPENSION ARRIÈRE « Rear suspension »			
622-108	SUSPENSION ARRIÈRE AIRLINER 46,000 LBS AVEC ESPACEMENT POUR CHÂÎNES « Airliner 46,000# rear suspension with chain clearance »		390
621-007	POSITION DE HAUTEUR DE ROULEMENT AIRLINER HAUTE « Airliner high position ride height »		

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431-004	SIÈGES D'ESSIEUX ARRIÈRE AVEC RETENUES SOUDÉES « Welded axle seats supplied on rear axle »		40
624-025	ESPACEMENT D'ESSIEUX 55" « 55 inch axle spacing »		
888-048	VALVE DE VIDANGE MANUELLE POUR SUSPENSION À AIR AVEC CADRAN « Manual dump valve for air suspension with gauge »		
87D-007	LUMIÈRE INDICATRICE ET AVERTISSEUR SONORE POUR CHAQUE FONCTION DE L'INTERRUPTEUR « Indicator light and buzzer for each mode switch »		
910-004	VALVES DE NIVEAU DOUBLE, SUSPENSION ARRIÈRE À AIR « Dual air rear suspension leveling valves »		
623-002	BARRES DE CONTRÔLE TRANSVERSALES « Transverse control rods »		
625-006	OPTION DE SUSPENSION SERVICE SÉVÈRE – SUSPENSION AIRLINER 23,000, 46,000 ET 69,000 LBS « Heavy duty suspension option – 23,000#, 46,000#, 69,000# airliner suspensions »		20
439-005	AMORTISSEURS ARRIÈRE – DEUX ESSIEUX (TANDEM) (SUSPENSION À AIR) « Rear shock absorbers - two axle (tandem) (air ride suspension) »		
SYSTÈME DE FREINAGE « Brake system »			
490-100	ABS WABCO 4S/4M SANS CONTRÔLE DE TRACTION « Wabco 4S/4M abs without traction control »		
871-001	LIGNES À AIR DU CHÂSSIS EN NYLON RENFORCÉ, TISSUS TRESSÉ ET FIL TRESSÉ « Reinforced nylon, fabric braid and wire braid chassis air lines »		
904-001	BOYAUX DE FREIN DE STATIONNEMENT DE FIBRE TRESSÉ « Fiber braid parking brake hose »		
412-001	VALVES DU SYSTÈME DE FREINAGE STANDARD « Standard brake system valves »		
432-003	VALVE-RELAIS AVEC POINT DE RUPTURE À 5-8 PSI, SANS VALVE DE PROPORTION ARRIÈRE « Relay valve with 5-8 psi crack pressure, no rear proportioning valve »		
483-003	FILTRE HUILE AMALGAME BENDIX POUR ASSÈCHEUR D'AIR « Bendix oil coalescing filter for air dryer »		
480-009	ASSÈCHEUR DE LIGNE DE FREINS À AIR BENDIX AD-9 CHAUFFANT « Bendix AD-9 brake line air dryer with heater »	20	
479-003	ASSÈCHEUR D'AIR MONTÉ À L'INTÉRIEUR DU LONGERON GAUCHE « Air dryer mounted inboard on LH rail »		

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460-058	RÉSERVOIR D'AIR EN ACIER MONTÉS LE PLUS REULÉ POSSIBLE À L'INTÉRIEUR ET/OU SOUS LES LONGERONS JUSTE DEVANT LA SUSPENSION ARRIÈRE « Steel air tanks mounted aft inside and/or below frame just forward of rear suspension »		
477-004	CABLES SUR VALVES D'ÉVACUATION, TOUS RÉSERVOIRS À AIR « Pull cables on all air reservoir(s) »		
RACCORDS DE REMORQUE « Trailer connections »			
914-001	CONNEXION À AIR AU BOUT DES LONGERONS AVEC MAINS À AIR MUNIES POUR CAMION-PORTEUR SANS PARE- POUSSIÈRE « Air connections to end of frame with glad hands for truck and no dust covers»		
296-010	CONNEXION/RÉCEPTACLE PRIMAIRE, FICHE CENTRALE ALIMENTÉE PAR LA CLÉ DE CONTACT « Primary connector/receptacle center pin powered through ignition »		
297-001	RÉCEPTACLE PRIMAIRE POUR CABLE DE REMORQUE SAE J560 7-VOIES MONTÉ AU BOUT DU CHÂSSIS « SAE J560 7-way primary trailer cable receptacle mounted end of frame»		
CHÂSSIS ET EMPATTEMENT « Wheelbase & frame »			
545-552	EMPATTEMENT 5525MM (218") « 5575mm (218 inch) wheelbase »		
546-1B2	CHÂSSIS EN ACIER 1/2X3.64X11"7/8 (12.7MM X301.6MM/0.5 X 11.88") 120 KSI « 1/2X3.64X11-7/8 inch steel frame (12.7mmX301.6mm/0.5X11.88 inch) 120ksi »	460	200
547-034	RENFORT INTERNE DE CHASSIS PARTIEL À LA SUSPENSION AVANT « Partial inner frame reinforcement at front suspension »	195	-5
548-803	RENFORT ADDITIONNEL DE L'EXTENSION DE CHÂSSIS AVANT INSTALLÉ PAR L'INSTALLATEUR D'ÉQUIPEMENT DE DÉNEIGEMENT « Body company installed additional front frame reinforcement for snow plow »		
552-045	DÉBORDEMENT ARRIÈRE DU CHÂSSIS 2025 MM (80") « 2025mm (80 inch) rear frame overhang »	-20	110
549-036	EXTENSION DE CHÂSSIS AVANT 12" INTÉGRAL « 12 inch integral front frame extension »	70	-5
553-001	EMBOU ARRIÈRE DE CHÂSSIS CARRÉ « Square end of frame »		
587-003	CROCHET DE REMORQUAGE ARRIÈRE « Rear tow hooks »		10
559-001	TRAVERSE DE LONGERON MOTEUR POIDS STANDARD « Standard weight engine crossmember »		

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562-001	TRAVERSE DE LONGERON MI-COURSE #1 STANDARD « Standard midship #1 crossmember »		
572-001	TRAVERSE DE LONGERON LA PLUS RECLÉE STANDARD « Standard rearmost crossmember »		
565-002	TRAVERSE DE LONGERON SUSPENSION SERVICE SÉVÈRE « Heavy duty suspension crossmember »		
568-001	TRAVERSE DE LONGERON SUSPENSION ARRIÈRE POIDS STANDARD « Standard weight rear suspension crossmember »		
ÉQUIPEMENT CHÂSSIS « Chassis equipment »			
556-075	PARE-CHOC EN ACIER CHROMÉ 16 POUCES « 16 inch chromed steel bumper »		
586-015	GARDE-BOUES ANTI-ÉCLABOUSSURE MONTÉ AU CAPOT « Front anti-spray cab mounted mudflaps »		
551-007	ATTACHES DE CHÂSSIS GRADE 8, FILETÉS À TÊTE HEXAGONALE « Grade 8 threaded hex headed frame fasteners »		
RÉSERVOIRS DIÉSEL « Fuel tanks »			
204-154	RÉSERVOIR À DIÉSEL EN ALUMINIUM 80 GALLONS / 302 LITRES - GAUCHE « 80 gallon/302 liter aluminum fuel tank – LH »	10	
218-006	RÉSERVOIR À DIÉSEL 25" DE DIAMÈTRE « 25 inch diameter fuel tank(s) »		
215-007	RÉSERVOIR DIÉSEL NON-POLI ALUMINIUM AVEC ATTACHES EN ACIER INOXIDABLE « Plain aluminum fuel tank(s) with stainless steel bands »		
212-007	RÉSERVOIR À DIÉSEL AVANT « Fuel tank(s) forward »		
664-001	FINI DES MARCHES NEUTRE « Plain step finish »		
205-001	BOUCHON(S) DE RÉSERVOIR À DIÉSEL « Fuel tank cap(s) »		
216-020	SYSTÈME DIÉSEL INTERNE ÉQUIFLO « Equiflo inboard fuel system »		
202-016	LIGNES À DIÉSEL HAUTE TEMPÉRATURE, NYLON RENFORCÉ « High temperature reinforced nylon fuel line »		
213-001	LIGNES À DIÉSEL ISOLÉES « Insulation for fuel lines »		2
PNEUS « Tires »			
093-0TB	PNEUS AVANT RADIAUX MICHELIN XZY-3 425/65R22.5 20 PLIS « Michelin XZY-3 425/65R22.5 20 ply radial front tires »	196	

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094-2A7	PNEUS ARRIÈRE RADIAUX MICHELIN XDS2 11R22.5 16 PLIS « Michelin XDS2 11R22.5 16 ply radial rear tires »		192
MOYEURS « Hubs »			
418-060	MOYEURS AVANT EN ACIER AVEC ROULEMENTS PRÉ-RÉGLÉS CONMET PREMIUM PLUS « Conmet pre-set plus premium iron front hubs »		
450-060	MOYEURS ARRIÈRE EN ACIER AVEC ROULEMENTS PRÉ- RÉGLÉS CONMET PREMIUM PLUS « Conmet pre-set plus premium iron rear hubs »		
ROUES « Wheels »			
502-1H5	ROUES AVANT À DISQUE EN ALUMINIUM 10 TROUS ALCOA LVL ONE 82462X, 22.5X12.25 INCRUSTÉ 4.68 « Alcoa LVL One 82462X 22.5X12.25 10-hub pilot 4.68 inset aluminium disc front wheels »	-8	
505-1F7	ROUES ARRIÈRE À DISQUE EN ALUMINIUM ACCURIDE 41644 ACCU-LITE22.5X8.25, 10 POIGNÉES « Accuride 41644 accu-lite 22.5X8.25 10-hub pilot aluminum 10-hand disc rear wheels»		-264
498-011	PROTECTEURS DE ROUES EN NYLON AVANT ET ARRIÈRE TOUTES INTERFACES « Nylon wheel guards front and rear all interfaces »		
EXTÉRIEUR CABINE « Cab exterior »			
829-1A8	CABINE CONVENTIONNELLE 110" BBC EN ACIER « 110 inch BBC steel conventional cab »		
82A-023	JUPE DE CABINE WESTERN STAR EN ALUMINIUM PEINT « Western star painted aluminium cab skirt »		
650-044	SUPPORTS DE CABINE A AIR AVEC VALVE « Air cab mounts with check valve »		
705-007	SEUIL DE PORTE EN ACIER INOXYDABLE « Stainless steel sill plates »		
648-002	MOUSTIQUEAIRE FIXE MONTÉ DERRIÈRE LA GRILLE « Non removable bugscreen mounted behind grille »	5	
754-001	EXTENSION DES AILES AVANT 2" « 2 inch fender extensions »	5	
678-039	POIGNÉES EXTÉRIEURES GAUCHE ET DROITE AVEC INSERTIONS DE CAOUTCHOUC PLUS POIGNÉES DROITE ET GAUCHE INTÉRIEURES MONTÉES AU POTEAU A « LH and RH exterior grab handles with rubber insert and LH and RH interior grab handles mounted to A post »		
646-008	GRILLE STATIONNAIRE FINI BRILLANT « Stationary bright finish grille »		
65X-003	GRILLES D'ENTRÉE D'AIR SUR CAPOT CHROMÉES « Chrome hood mounted air intake grille »		

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640-008	CABINE SERVICE SÉVÈRE EN ACIER GALVANISÉ « Galvanealed steel severe service cab »		
644-006	CAPOT EN FIBRE DE VERRE AVEC PANNEAUX D'ACCÈS « Fiberglass hood with access hatches »		
690-002	CRÉPINE AU MUR COUPE FEU ET AU TUNEL « Tunnel/firewall liner »	10	
727-019	FLÛTE À AIR SIMPLÉ HADLEY SD-978 26" RECTANGULAIRE « Single Hadley SD-978 26 inch rectangular air horn »	-4	
726-001	KLAXON ÉLECTRIQUE SIMPLE « Single electric horns »		
728-001	PROTECTEUR DE FLÛTE SIMPLE « Single horn shield »		
657-1AF	BARRURES DE PORTES ET CLÉ DE CONTACT IDENTIQUES AVEC (3) CLÉS « Door locks and ignition switch keyed the same with (3) keys »		
327-012	INTERRUPTEUR, LUMIÈRE INDICATRICE ET FILAGE POUR 2 STROBES FOURNIS PAR LE CLIENT « Switch, indicator light and wiring for (2) customer furnished beacons »		
312-072	PHÀRES AVANT SIMPLES RECTANGULAIRES DE TYPE "SEALED BEAM" AVEC CONTOUR CHROMÉ « Single rectangular sealed beam headlights with bright bezels »		
302-022	FEUX DE POSITION DEL « LED marker lights »		
314-824	INTERRUPTEUR ET FILAGE AVEC CONNECTEURS DOUBLES AU PARE-CHOC POUR FEUX DE CHARRUES FOURNIES PAR LE CLIENT « Wiring and switch for customer furnished snow plow lamps with dual connections at bumper »		
311-001	LUMIÈRES DE JOUR « Daytime running lights »		
294-1AU	LUMIÈRES D'ARRÊT/CLIGNOTANTS/DE RECUL INDIVIDUELLES AU DEL MONTÉES SOUS LES LONGERONS « Individual LED stop/turn/backup lights groomet mounted below rail »		
300-015	FEUX CLIGNOTANTS AVANT STANDARD « Standard front turn signal lamps »		
744-1DH	MIROIRS GAUCHE ET DROIT AÉRO MEKRA FINI BRILLANT, CHAUFFANTS, AXE DOUBLE, 1 PIÈCE, MOTORISÉS AVEC LUMIÈRES, AJUSTEMENT ÉLECTRIQUE ET MIROIRS CONVEXES INTÉGRAUX « Dual Mekra aero bright finish heated dual axis 1-piece motorized mirrors with lights, LH and RH remote and integral convex mirrors »	20	
797-002	MIROIRS MONTÉS SUR LA CABINE « Cab mounted mirrors »		

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796-001	LARGEUR D'ÉQUIPEMENT 102" « 102 inch equipment width »		
743-1AX	MIROIRS CONVEXES DROIT ET GAUCHE MEKRA FINI BRILLANT, CHAUFFANTS AVEC AJUSTEMENT MANUEL, AXE DOUBLE POUR MIROIR PRINCIPAL 1 PIÈCE « Dual Mekra bright finish heated convex mirrors with manual adjustment and dual axis for 1-piece primary mirrors »		
74A-001	MIROIR DE VUE VERS LE BAS À DROITE « RH down view mirror »		
74B-1B4	MIROIRS CONVEXES 8" GAUCHE ET DROIT CHAUFFANTS EN ACIER INOXIDABLE MONTÉS AVEC ATTACHES EN TRÉPIED SUR AILES DE CAPOT « RH and LH 8 inches heated stainless steel fender mounted convex mirrors with tripod brackets »	12	
729-001	RÉFLECTEURS DE CÔTÉ ET ARRIÈRE STANDARD « Standard side/rear reflectors »		
787-020	BARRURES DE PORTES ÉLECTRIQUES, OPÉRATION MÉCANIQUE DU CULBUTEUR « Electric door locks, mechanical key tumbler »		
677-054	ACCÈS À LA CABINE DU CÔTÉ DROIT PAR LE SYSTÈME DE POST-TRAITEMENT AVEC PROTECTEUR À POINTE DIAMANT NON-POLI « RH aftertreatment system cab access with plain diamond plate cover »		
764-002	PARE-SOLEIL EXTÉRIEUR EN ACIER INOXIDABLE « Stainless steel exterior sun visor »	28	
768-046	VITRE ARRIÈRE TEINTÉE 17.5"X35" « 17.5X35 inch tinted rear window »		
661-006	VITRES DE PORTES TEINTÉES « Tinted door glass »		
654-011	VITRES GAUCHE ET DROITE À OPÉRATION ÉLECTRIQUE « RH and LH electric powered windows »	4	
769-002	VITRE GIVRÉE AU BAS DE LA PORTE DROITE « Lower RH door window with Fresnel lens»	7	
663-023	PARE-BRISE 2 PIÈCES TEINTÉ, COURBÉ, CHAUFFANT MONTÉ DANS UN JOINT D'ÉTANCHÉITÉ « 2-piece tinted curved gasket mounted heated windshield »		
659-025	RÉSERVOIR DE LIQUIDE LAVE-GLACE 2 GALLONS SANS INDICATEUR DE NIVEAU, MONTÉ SOUS LA CABINE, AVEC ACCÈS À DISTANCE POUR LE REMPLISSAGE « 2 gallon windshield washer reservoir without fluid level indicator, mounted under cab, with remote fill »		
647-001	TOILE D'HIVER BLANCHE « White winterfront »	2	

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INTÉRIEUR CABINE « Cab interior »			
707-1D0	INTÉRIEUR DE BASE EN VINYLE GRIS « Gray vinyl base interior »		
70K-005	FINITION DURE NOIRE « Black hard trim »		
706-049	FINITION DE PORTE GAUCHE DE BASE « Base left hand door trim »		
708-049	FINITION DE PORTE DROITE DE BASE « Base right hand door trim »		
772-007	TAPIS NOIR AVEC ISOLATION DOUBLE « Black mats with double insulation »		
785-007	CENDRIER MONTÉ AU TABLEAU DE BORD AVEC ALLUME- CIGARE, CÔTÉ CHAUFFEUR « Dash mounted ash tray and lighter, driver side »		
691-001	CONSOLE MONTÉE AU TOIT AVANT « Forward roof mounted console »		
694-009	COFFRE À GANTS AVEC BARRURE MONTÉ AU TABLEAU DE BORD EN DEMI-LUNE CÔTÉ PASSAGER « Passenger side wing dash mounted glove box with locking door »		
697-012	POCHETTE 14" X 7.75" POUR DOCUMENTS MONTÉE AU MUR ARRIÈRE ENTRE LES SIÈGES « 14"X7.75" documents pouch mounted on backwall between seats »		
693-025	POCHETTE POUR RANGEMENT DES CARTES PORTES DROITE ET GAUCHE « LH and RH door map pocket »		
741-015	(2) CROCHETS A MANTEAU AU MUR ARRIÈRE DE LA CABINE « (2) coat hooks on backwall of cab »		
738-005	HORLOGE RÉVEIL DIGITALE MONTÉE À LA CONSOLE DE TOIT « Digital overhead mounted alarm clock »		
742-032	(1) PORTE-VERRES DOUBLE AVEC SUPPORT À CELLULAIRE AU TABLEAU DE BORD GAUCHE OU DROIT « (1) double cup holder with cell phone holder lh or rh dash »		
680-034	TABLEAU DE BORD EN ANGLE 2 TONS HAUT GRIS CHARBON/ BAS GRIS CLAIR AVEC COUVERCLE ESTHÉTIQUE NOIR AU BAS DU TABLEAU DE BORD CÔTÉ CHAUFFEUR « Two-tone charcoal upper/cool gray lower soft touch wing dash with black driver side cosmetic under dash cover »		
720-003	EXTINCTEUR 5 LBS « 5 lbs. fire extinguisher »	10	
700-014	CHAUFFERETTE, DÉGIVREUR ET AIR CLIMATISÉ AVEC CONTROLE DE TEMPÉRATURE EXTÉRIEURE CONSTANT « Heater, defroster and air conditioner with constant outlet temperature control »		

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701-011	CONDUITS D'AÉRATION AVEC FILTRE POUSSIÈRE/ODEUR SUR ENTRÉE D'AIR FRAICHE ET PRÉ-FILTRE EXTÉRIEUR « Hvac ducting with dust/odor main fresh air filter and outside pre-filter »		
703-005	CONTRÔLE D'AÉRATION PRINCIPAL AVEC SÉLECTEUR DE RECIRCULATION « Main hvac controls with recirculation switch »		
170-015	TUYAUTERIE DE CHAUFFERETTE STANDARD « Standard heater plumbing »		
130-033	COMPRESSEUR D'AIR CLIMATISÉ DENSO SERVICE SÉVÈRE « Denso heavy duty air conditioner compressor »		
698-001	CONDENSATEUR D'AIR CLIMATISÉ MONTÉ AU RADIATEUR « Radiator mounted air conditioner condenser »		
702-002	CONTRÔLE BINAIRE R134A « Binary control, R-134A »		
739-002	ISOLATION SUPPLÉMENTAIRES DES MURS DE LA CABINE « Additional cab sidewall insulation »	60	10
285-019	PROTECTION DE CIRCUITS A DISJONCTEURS A REMISE EN MARCHÉ AUTOMATIQUE DANS LA BOITE DE DISTRIBUTION DE PUISSANCE PRINCIPALE ET DISJONCTEURS/FUSIBLE DANS LA BOITE DE DISTRIBUTION DE PUISSANCE AUXILIAIRE « Automatic self-reset circuit breaker in main dash power distribution box and circuit breaker/fuse in auxiliary power distribution boxes »		
324-076	LUMIÈRE DOME ACTIVÉE PAR LES PORTES, LUMIÈRE SOUS LE TABLEAU DE BORD AVEC LUMIÈRES DE COURTOISIE MONTÉES AUX PORTES GAUCHE ET DROITE ET LUMIÈRES DE LECTURE GAUCHE ET DROITE « Door activated dome light, under dash light with lh and rh door mounted courtesy lights and lh and rh reading lights »		
655-005	BARRURES DE PORTES DROITE ET GAUCHE ÉLECTRIQUES « LH and RH electric door locks »		
284-023	1 PRISE D'ALIMENTATION 12 VOLTS AU TABLEAU DE BORD « (1) 12 volts power supply in dash »		
722-028	TRIANGLES RÉFLECTEURS SANS FUSÉES EXPÉDIÉES NON ATTACHÉES DANS LA CABINE « Triangular reflectors without flares shipped loose in cab »	10	
756-1D9	SIÈGE CONDUCTEUR PREMIUM DOSSIER HAUT, SUSPENSION À AIR, SUPPORT LOMBAIRE 3 CHAMBRES, EXTENSION DU FESSIER INTÉGRÉ, FESSIER ET AMORTISSEUR AJUSTABLES « Premium high back air suspension driver seat with 3 chamber air lumbar, integrated cushion extension, forward and rear cushion tilt and adjustable shock »	40	
760-294	SIÈGE PASSAGER "COFFRE À BATTERIES" DOSSIER MOYEN, SANS SUSPENSION « Battery box mid back non suspension passenger seat »		

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CODE DE DONNÉES «Data Code»	DESCRIPTION «Description»	POIDS AVANT «Weight Front»	POIDS ARRIÈRE «Weight Rear»
759-007	DEUX APPUIE-BRAS AUX SIÈGE CONDUCTEUR ET AUCUN SUR SIÈGE PASSAGER « Dual driver seat armrest, no passenger seat armrests »	4	
758-022	RECOUVREMENT DU SIÈGE CONDUCTEUR EN TISSUS NOIR MORDURA « Black mordura cloth driver seat cover »		
761-014	RECOUVREMENT DU SIÈGE PASSAGER EN TISSUS NOIR CORDURA PLUS « Black cordura plus cloth passenger seat cover »		
763-003	CEINTURES DE SIÈGES CONDUCTEUR ET PASSAGER AVANT A 3 POINTS, RÉTRACTABLES « 3 point driver and front passenger seat belts retractors »		
532-002	COLONNE DE CONDUITE AJUSTABLE TÉLÉSCOPIQUE ET INCLINAISON « Adjustable tilt and telescoping steering column »		
540-020	VOLANT DE CONDUITE NOIR 2 RAIES 18" (450MM) « 2-spoke 18 inch (450mm) black steering wheel »		
765-002	PARE-SOLEIL INTÉRIEUR CONDUCTEUR ET PASSAGER « Driver and passenger interior sun visors »		
CONTRÔLES ET INSTRUMENTATION « Instruments & controls »			
185-002	PÉDALES NON-AJUSTABLES SUSPENDUES « Non-adjustable suspended pedals »		
870-004	CADRANS "STAR" AVEC CONTOURS NOIR « Star gauges with black bezels »		
732-001	PANNEAU D'INSTRUMENTS CONDUCTEUR NOIR « Black driver instrument panel »		
734-001	PANNEAU D'INSTRUMENTS CENTRAL NOIR « Black center instrument panel »		
486-001	LUMIÈRE ET AVERTISSEUR SONORE DE BASSE PRESSION D'AIR « Low air pressure light and buzzer »		
838-001	CADRAN D'APPLICATION DES FREINS À AIR « (1) single brake application air gauge »		
840-002	CADRANS 2" PRESSION D'AIR PRIMAIRE ET SECONDAIRE « 2 inch primary and secondary air pressure gauges »		
198-003	INDICATEUR DE RESTRICTION D'AIR AVEC GRADUATIONS MONTÉ AU TABLEAU DE BORD « Dash mounted air restriction indicator with graduations »		
721-021	ALARME DE REcul AUTO-AJUSTABLE 87 DB À 112 DB « 87 db to 112 db self-adjusting backup alarm »		3
149-012	RÉGULATEUR DE VITESSE AVEC INTERRUPTEUR AU PANNEAU CENTRAL « Cruise control switches in the center panel »		

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CODE DE DONNÉES «Data Code»	DESCRIPTION «Description»	POIDS AVANT «Weight Front»	POIDS ARRIÈRE «Weight Rear»
156-007	INTERRUPTEUR DE CONTACT OPÉRÉ PAR CLÉ ET POSITION DE DÉMARRAGE INTÉGRAL; 4 POSITIONS FERMÉ/EN MARCHE/ DÉMARRAGE/ACCESSOIRES « Key operated ignition switch and integral start position; 4 position off/run/start/accessory »		
811-1AJ	CENTRE DE MESSAGE DU CONDUCTEUR DATASTAR ET LUMIÈRE/BARRE LUMINEUSE D'AVERTISSEMENT, NON LIÉES AUX DONNÉES « Datastar driver display and warning lamp/light bar display, non-data linked»		
160-041	CONNECTEUR DE LIAISON DIAGNOSTIQUE SERVICE SÉVÈRE, LOCALISÉ SOUS LE TABLEAU DE BORD ET INTERFACE DE CONNECTION POUR INSTALLATEUR D'ÉQUIPEMENT LOCALISÉ ENTRE LES SIÈGES CONDUCTEUR ET PASSAGER « Heavy duty onboard diagnostics interface connector located below lh dash and body builder interface connector located between driver and passenger seats »		
844-001	CADRAN ÉLECTRIQUE 2" NIVEAU DE DIÉSEL « 2 inch electric fuel gauge »		
845-011	INDICATEUR DE RESTRICTION DU FILTRE À DIESEL « Fuel filter restriction indicator »		
148-085	AJUSTEMENT DE POINT MORT LIMITÉ POUR ÉMISSIONS « Emissions limited idle adjust »		
856-001	CADRAN ÉLECTRIQUE POUR TEMPÉRATURE DE L'ANTIGEL MOTEUR « Electrical engine coolant temperature gauge »		
854-001	CADRAN DE TEMPÉRATURE D'HUILE MOTEUR « 2 inch engine oil temperature gauge »		
864-001	CADRAN DE TEMPÉRATURE D'HUILE TRANSMISSION 2 POUCES « 2 inch transmission oil temperature gauge »		
867-016	CADRAN DE TEMPÉRATURE EXTÉRIEURE AVEC AFFICHAGE FAHRENHEIT ET CELCIUS ; MONTÉ À LA CONSOLE DE TOIT « Outside air temperature gauge with Fahrenheit and Celsius display mounted in overhead console »		
372-035	UN INTERRUPTEUR POUR PRISE DE FORCE AVEC LUMIÈRE INDICATRICE MONTÉE AU TABLEAU DE BORD « (1) dash mounted pto switch with indicator lamp »	5	
852-002	CADRAN ÉLECTRIQUE PRESSION D'HUILE MOTEUR « Electric engine oil pressure gauge »		
746-115	RADIO AM/FM/WB AVEC BLUETOOTH, PORT USB ET PRISES D'ENTRÉE AUXILIAIRES, J1939 « AM/FM/WB radio with Bluetooth and usb and auxiliary inputs, J1939 »	10	
747-002	RADIO MONTÉ A LA CONSOLE DE TOIT AVANT « Roof/overhead console mounted radio »		

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CODE DE DONNÉES «Data Code»	DESCRIPTION «Description»	POIDS AVANT «Weight Front»	POIDS ARRIÈRE «Weight Rear»
750-004	(4) HAUT-PARLEUR RADIO DANS LA CABINE « (4) radio speakers in cab »		
753-019	ANTENNE AM/FM MONTÉE AU POTEAU AVANT DROIT « AM/FM antenna mounted on rh front a-pillar »	2	
748-041	BORNES POSITIVE ET NÉGATIVE SUR LE DESSUS DU TABLEAU DE BORD ET CB RADIO COBRA 29LXBT AVEC BLUETOOTH INSTALLÉ À L'USINE DANS LA CONSOLE DE TOIT « Power and ground studs top of dash and Cobra 29LXBT factory installed CB radio with Bluetooth in overhead console »	5	
749-006	PROVISION POUR INSTALLATION DU RADIO CB AVEC PLAQUE ET ATTACHES SUR LE DESSUS DU TABLEAU DE BORD « Top of dash mount CB radio provision with plate and straps »	2	
752-017	SYSTÈME D'ANTENNE MULTIBANDES AM/FM/MÉTÉO/CB MONTÉE SUR MIROIR GAUCHE « Multi-band AM/FM/WB/CB LH mirror mounted antenna system »		
810-043	COMPTEUR ÉLECTRONIQUE KPH AVEC ÉCHELLE SECONDAIRE EN MPH, AVEC ODOMÈTRE « Electronic KPH speedometer with secondary MPH scale, with odometer »		
817-001	CAPTEUR DE VITESSE DU VÉHICULE STANDARD « Standard vehicle speed sensor »		
812-003	TACHYMÈTRE ÉLECTRONIQUE 3000 RPM « Electronic 3000 rpm tachometer »		
813-1B4	DIAGNOSTIQUE DE MOTEUR À DISTANCE TECHNICIEN VIRTUEL « Virtual technician remote engine diagnostics »		
81X-001	CONTRAT DE SERVICE 2 ANS AVEC TECHNICIEN VIRTUEL INCLUS « 2 year service contract included with virtual technician »		
162-002	ARRÊT DU MOTEUR CONTRÔLÉ PAR L'INTERRUPTEUR DE CONTACT « Ignition switch controlled engine stop »		
329-064	2 INTERRUPTEURS SUPPLÉMENTAIRES ALIMENTÉES PAR LA MISE EN MARCHÉ AVEC LUMIÈRE INDICATRICE, 20 AMPÈRES, FILAGE JUSQU'À L'ARRIÈRE DU SIÈGE PASSAGER « Two ignition controlled extra switches with indicator light, 20 amps, wired behind passenger seat »		
482-001	VALVE DE PROTECTION TRACTEUR BW « BW tractor protection valve »		
883-001	VALVE DE CONTRÔLE DE FREINAGE DE REMORQUE MANUEL « Trailer hand control brake valve »		
842-001	CADRAN DE PRESSION D'AIR TURBO 2" « 2 inch turbo air pressure gauge »		
836-001	CADRAN 2" VOLTMÈTRE « 2 inch voltmeter »		

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CODE DE DONNÉES «Data Code»	DESCRIPTION «Description»	POIDS AVANT «Weight Front»	POIDS ARRIÈRE «Weight Rear»
660-001	MOTEUR D'ESSUIE GLACE ÉLECTRIQUE SIMPLE AVEC MODE INTERMITTANT ET ESSUIE-GLACE D'HIVER « Single electric windshield wiper motor with delay and arctic type blades »		
304-006	INTERRUPTEUR DE FEUX DE POSITION ET PHARES AVANT AVEC INTERRUPTEUR SÉPARÉ POUR FEUX DE POSITION DE REMORQUE ; INTERRUPTEUR ET TERMINAUX POUR LUMIÈRES DE CHARRUE FOURNIES PAR LE CLIENT. « Marker light and headlight switch with separate interrupter switch for trailer marker lights and switch and terminals for customer furnished snowplow lights »		
882-021	SYSTÈME DE FREIN DE STATIONNEMENT À 2 VALVE AVEC VALVE DE CONTRÔLE AUTO-NEUTRE AU TABLEAU DE BORD ET AVERTISSEUR « Two valve parking brake system with dash valve control autoneutral and warning indicator »		
299-037	BRAS DE CLIGNOTANT A RETOUR AUTOMATIQUE AVEC VARIATEUR D'INTENSITÉ INTÉGRAL ET PRIORITÉ SUR FREINS « Self cancelling turn signal switch with integral headlamps dimmer with brake override »		
298-036	CLIGNOTANT ÉLECTRONIQUE PACIFIC INSIGHT « Pacific insight electronic flasher »		

CONCEPTION « Design »

065-000 PEINTURE: COULEUR UNIQUE
« Paint: one solid color »

COULEUR « Color »

980-2L5 COULEUR DE CABINE A: L1132EB ROUGE ÉLITE BC
« Cab color A: L1132EB red elite BC »
986-802 PEINTURE DE CHÂSSIS : 00767681EA NOIR ÉLITE SS
« Chassis paint: 00767681EA black elite SS »

CERTIFICATION / CONFORMITÉ « Certification / compliance »

996-002 CERTIFICATION CANADA CMVSS
« Canada CMVSS certification »

SOMMAIRE POIDS « Weight summary »

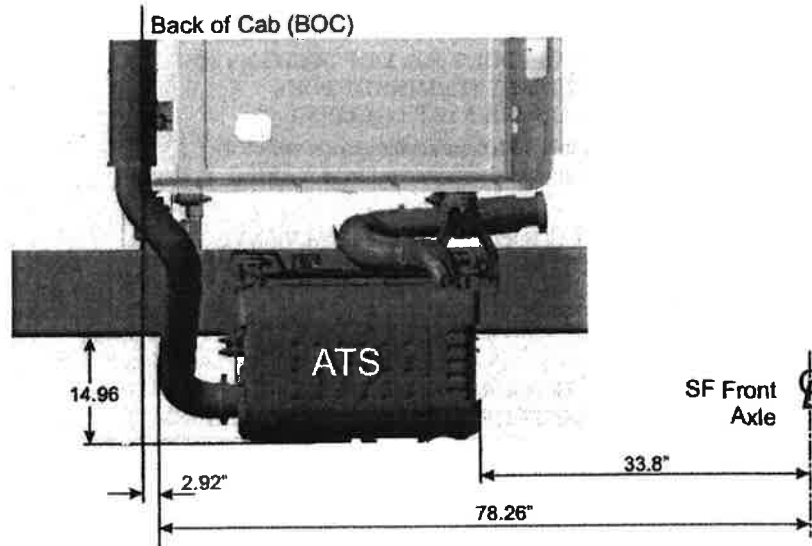
	POIDS AVANT « Weight Front »	POIDS ARRIÈRE « Weight Rear »	POIDS TOTAL « Total Weight »
POIDS USINE+ « Factory weight+ »	10797 lbs	8205 lbs	19002 lbs

(+) LES POIDS MENTIONNÉS SONT ESTIMÉS SEULEMENT
SI LE POIDS EST CRITIQUE, CONTACTER L'INGÉNIERIE POUR APPLICATION CLIENT
« (+) weights shown are estimates only.
If weight is critical, contact customer application engineering. »

DESSINS ET DONNÉES TECHNIQUES

Système d'échappement

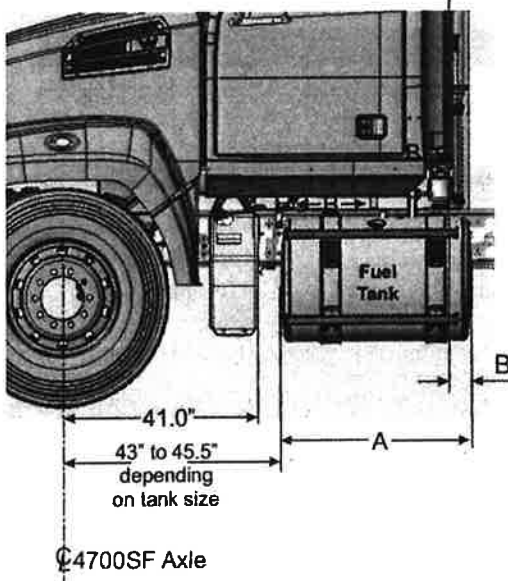
4700 SF 016-1C2



Réservoir diesel et DEF

4700 SF
13 Gal DEF Forward

Back of
Cab (BOC)



Model	DEF Tank Size	Fuel Tank Dia	Fuel Tank Volume	A (Fuel)	B (BOC Protrusion)
4700 SF	13 Gal Def Forward of Fuel	25" Diameter	60 G	30.5"	-5.18"
			80 G	40.0"	4.3"
			100 G	50.0"	11.8"
		23" Diameter	50 G	30.0"	-5.7"
			60 G	35.5"	-0.0"
			80 G	46.5"	7.3"
			100 G	58.0"	19.8"

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DIMENSIONS

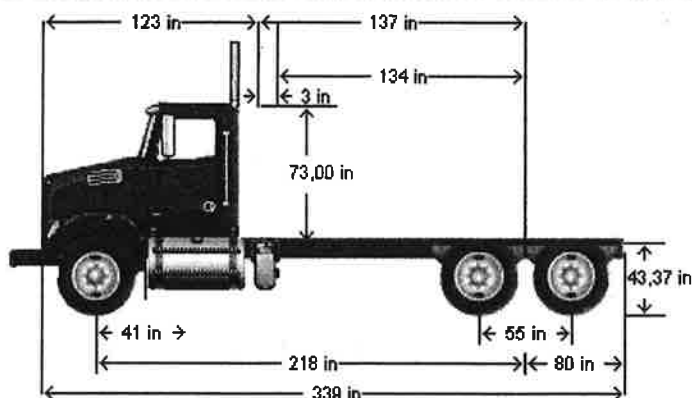


TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	122,7
Bumper to Centerline of Front Axle (BA)	41,5
Min. Cab to Body Clearance (CB)	3,0
Back of Cab to Centerline of Rear Axle(s) (CA)	136,8
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	133,8
Back of Cab Protrusions (Exhaust/Intake) (CP)	2,0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0,0
Back of Cab Protrusions (CNG Tank)	0,0
Back of Cab Clearance (CL)	3,0
Back of Cab to End of Frame	216,8
Cab Height (CH)	73,0
Wheelbase (WB)	218,0
Frame Overhang (OH)	80,0
Overall Length (OAL)	339,5
Rear Axle Spacing	55,0
Unladen Frame Height at Centerline of Rear Axle	43,4

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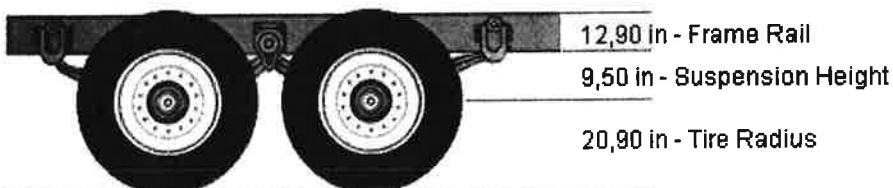
GVWR

TABLE SUMMARY - GVWR

	Front	Rear 1	Rear 2
Axle Component Weight Ratings			
Axles	22000	23000	23000
Suspension	23000	23000	23000
Hubs	23000	26000	26000
Brakes	23000	23000	23000
Wheels	24600	29600	29600
Tires	22800	24020	24020
Power Steering	22000	N/A	N/A
GAWR (per axle)	22000	23000	23000
GAWR (per axle system)	22000	46000	
Expected Load (per axle system)	22000	46000	
Vehicle GVWR Summary			
Calculated GVWR	68000		
Expected GVWR	68000		
All weights displayed in pounds			

UNLADEN FRAME HEIGHT

Unladen Height	Requested	Calculated
Tow Hitch (in)	0,00 to 0,00	30,80
Frame (in)	N/A	43,40



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TRUCK WEIGHT

TABLE SUMMARY - TRUCK WEIGHT

Item	Front(s)	Rear(s)	Total
Chassis Tare	10797	8205	19002
Fuel / Oil	464	230	694
Driver	198	52	250
Dealer Installed Options	0	0	0
Accessories	0	0	0
Body	0	0	0
Truck Tare Weight	11459	8487	19946
Payload	0	0	0
Calculated Axle Loads	11459	8487	19946
Expected Axle Loads / GVW	22000	46000	68000
GAWR / GVWR	13300	46000	59300

FRAME RBM

TABLE SUMMARY - FRAME RBM

Item	Description / Value
Wheelbase	5525MM (218 INCH) WHEELBASE
Frame	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI
Inner Frame Reinforcement	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION
Outer Frame Reinforcement	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
Yield Strength (psi)	120000
Section Modulus - per rail (cu. in.)	26,70
Frame RBM - per rail (lbf-in)	3204000

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

GARANTIE DE BASE VÉHICULE

New Vehicle Warranty Coverage

Daimler Trucks North America LLC

Western Star (WST)



Western Star Vocational (Orders placed on or after 3/08/13)

Vocational Coverage is available for vehicles in these vocations:		Any
Category Determinants		
Road Surface — most severe in-transit between sites		Up to 30% off-highway rough, maintained concrete/asphalt; maintained gravel/crushed rock; maintained dirt or soft soil (Class C or D roads) ¹
GCW		140,000 lb/63 505 kg or less Doubles on NY turnpikes are rated 143,000 lb Doubles on FL turnpikes are rated 147,000 lb
Axles and Their Manufacturer's GVW Rating		
2-axle unit		48,000 lb/21 772 kg or less
3-axle unit		68,000 lb/30 844 kg or less
4-axle unit		88,000 lb/39 916 kg or less
5-axes or more		98,000 lb/44 452 kg or less

¹Class C roads have a natural surface and may be either constructed or established over time by repeated passage of vehicles. The natural surface may be dirt, sand, or rock. A minimal amount of maintenance, if any at all, is limited primarily to spot surface grading to allow vehicle passage within the original road corridor. Class D roads are primitive roads that were not constructed but have been established over time by the passage of motor vehicles. These roads receive no maintenance or grading.

Coverage²		
Description	Time ³	Distance ³
Basic Vehicle	1 Year	Unlimited
Battery	1 Year	100,000 mi/161 000 km
Brightwork	6 Months	Unlimited
Cab Corrosion/Perforation	5 Years	Unlimited
Cab Structure	5 Years	Unlimited
Corrosion	6 Months	Unlimited
Crossmembers	5 Years	Unlimited
Diesel Emission 2010 ⁴	5 years	100,000 mi/161 000 km
Frame Rails	5 Years	Unlimited
GHG14 ⁵ (Medium Heavy Duty to Heavy Heavy Duty Trucks)	5 Years	100,000 mi/161 000 km
GHG14 ⁵ (Medium Heavy Duty to Heavy Heavy Duty Tractors)	5 Years	100,000 mi/161 000 km
GHG14 ⁵ Tire	2 Years	24,000 mi/38 400 km
Paint	1 Year	100,000 mi/161 000 km
Paint, Chassis	6 Months	Unlimited
Towing/Roadside Assistance ⁶	1 Year	Unlimited
Front Axle ⁷	2 Years	100,000 mi/161 000 km

Warranty Statement & Warranty Coverage Descriptions follow on page three of this document.

The information provided in this document is for general information only and is not offered as customer's warranty.

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Effective: 8/14/2014

Rear Axle	2 Years	100,000 mi/161 000 km
Transfer Case	2 Years	100,000 mi/161 000 km
Transmission	2 Years	100,000 mi/161 000 km
Detroit Front Axle^{7,8} (File Direct)	3 Years	300,000 mi/483 000 km
Detroit Rear Axle⁸ (File Direct)	3 Years	300,000 mi/483 000 km
Detroit DT-12 Transmission⁹ (File Direct)	5 Years	750,000 mi/1 200 000 km

²Coverage may vary; check vehicle's actual warranty coverage online via OWL's *Coverage Info/Check Coverage* screen.

³Time or distance, whichever comes first

⁴Applies to vehicles equipped with EPA 2010 compliant diesel engines.

⁵Applies to models 2013 and later domiciled in the United States, check actual warranty online via OWL's *Coverage Info/Check Coverage* screen for coverage listed as "GHG14...".

⁶Up to a maximum of \$550 per occurrence.

⁷Front Axle coverage is also applicable to gliders.

⁸Heavy Duty – General Service: Warranty coverage is determined by Gross Combination Weight Rating, road surface, and vocation. Please see www.ddcsn.com for specific coverage details.

⁹Detroit Transmission: Warranty coverage is determined by Gross Combination Weight Rating, road surface, and vocation. Please see www.ddcsn.com for specific coverage details.

Warranty Statement & Warranty Coverage Descriptions follow on page three of this document.

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Effective: 8/14/2014

Warranty Statement

1.1 New Vehicle Coverage

The following section outlines Company standard warranty coverages for all Company vehicles, apparatus or chassis or cabs sold by Daimler Trucks North America and domiciled in the USA (50 states and Washington, D.C.) and Canada. This information is also included in the Owner's Warranty Information Booklet.

See Warranty Coverage Descriptions for standard warranty coverages by make and model. Additional coverage may apply, verify actual coverages with your local dealership for specific vehicle warranty.

1.2 New Vehicle Limited Warranty

Under this New Vehicle Limited Warranty ("Warranty"), Company warrants that each new vehicle will be free from defects in material and workmanship that occur under normal use within the applicable warranty period, subject to certain limitations and exclusions as specified in this document.

This limited warranty applies only to new vehicles sold by an authorized Daimler Trucks North America (DTNA) dealer or ordered directly from DTNA; vehicles sold at auction or as a result of repossession retain the warranty coverage from the original in-service date or factory invoice date if the vehicle has not been warranty registered.

Daimler Trucks North America LLC reserves the right to reduce or remove coverage on vehicles in salvage condition.

This Warranty covers all components and parts unless specifically covered by other warranties or otherwise excluded by this document.

1.3 Limitations

This Warranty does not apply to vehicles that are sold or domiciled outside of the United States (50 states and Washington, D.C.) or Canada.

This Warranty does not apply to engines, Allison transmissions, tires, or other components or parts that are not manufactured by Company and that are warranted directly by their respective manufacturers. Progressive damage caused by these manufacturers' components to any other parts including, but not limited to, parts installed by Company is excluded from Company warranty coverage. With respect to the foregoing, Company makes no warranty whether express, implied, statutory or otherwise including, but not limited to, any warranty of merchantability or fitness for a particular purpose.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND WHETHER WRITTEN, ORAL, OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SPECIFICALLY EXCLUDES ANY OTHER

WARRANTIES OR CONDITIONS PROVIDED FOR BY LAW, WHETHER STATUTORY OR OTHERWISE.

COMPANY'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, ANY DEFECTIVE COMPONENT OR PART. SUCH REPAIR OR REPLACEMENT SHALL BE WITHOUT COST TO PURCHASER WHEN PERFORMED WITHIN THE APPLICABLE WARRANTY PERIOD (TIME, DISTANCE, OR HOUR LIMIT, WHICHEVER OCCURS FIRST).

Purchaser must notify Company within the applicable warranty period, of any failure of the vehicle to comply with this Warranty and Purchaser must, at Purchaser's expense, promptly return the vehicle to an Authorized Service Facility for inspection and repair or replacement of any defect in material or workmanship occurring within the applicable warranty period. During New Vehicle coverage, warranty reimbursement will not be paid on repairs performed by customers on their own vehicles without a current Customer Performed Warranty Agreement (CPWA).

The vehicle must be maintained and serviced according to the prescribed schedules outlined in the Driver's/Operator's and Maintenance Manuals. Receipted bills and other evidence that required maintenance and service have been performed are required by Company as a condition of this Warranty.

After the Company's obligations under this Warranty expire, all liabilities of Company to Purchaser under this Warranty shall terminate. Repairs made under this Warranty do not constitute an extension of the original Warranty period for the vehicle or for any specific component or part.

To the extent that any provision of this Warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction, and the remainder of the warranty shall not be affected.

1.4 Purchaser's Exclusive Remedy

THIS WARRANTY SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST COMPANY, WHETHER IN CONTRACT, UNDER STATUTE (INCLUDING STATUTORY PROVISIONS AS TO CONDITIONS AS TO QUALITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF GOODS SUPPLIED PURSUANT TO THE CONTRACT OF SALE), WARRANTY, TORT, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY.

1.5 Limitation of Liability

COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE COST TO REPAIR OR REPLACE, IN COMPANY'S SOLE DISCRETION, THE DEFECTIVE COMPONENT OR PART THAT IN NO EVENT SHALL EXCEED THE FAIR MARKET VALUE OF THE VEHICLE AT THE TIME THE DEFECT IS DISCOVERED.

IN NO EVENT SHALL COMPANY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, INJURIES TO PERSONS OR DAMAGE

TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF VEHICLE USE.

1.6 Exclusions

The following components, parts, or conditions are specifically excluded from coverage under this Warranty.

AERODYNAMIC WHEEL COVERS

Aerodynamic wheel covers are excluded from coverage under this Warranty.

AIR SPRINGS

Tolerance buildup can occur during the assembly process of the rear suspension and rear cab air springs, and can cause the springs to have the appearance of being crooked, misaligned or improperly installed. This tolerance buildup is not detrimental to the operation of the vehicle and will not have an effect on either the quality of the ride or the durability of the components or vehicle. Straightening of these springs is not covered under this Warranty.

ALIGNMENT OF AXLES/WHEELS/STEERING

Each DTNA vehicle manufacturing plant uses an integrated alignment system to align axles and wheels and to center the steering wheel to Daimler Trucks North America LLC specifications. Realignment or readjustment of these items, including steering stops and steering poppets, is not covered under warranty.

Any special alignment settings at the request of the Owner must be handled between the Dealer and Owner after delivery from factory. These special adjustments are not covered under Warranty.

AXLE BREATHER VENTS

During the vehicle manufacturing process, an oil run or drip stain may appear at the breather vent. Removing the vent, applying pipe sealant to the threaded vent fitting and re-installing the vent is unnecessary. Removing the axle breather vent and re-sealing the threaded fitting is not covered under this Warranty.

CAB INTERIOR COMPONENTS

The repair or replacement of cab interior components that are rendered unserviceable due to normal wear or abuse are not covered under this Warranty.

These components include, but are not limited to:

- Curtains
- Floor coverings (including floor mats)
- Painted trim components
- Steering wheel
- Steering wheel wrap
- Upholstery
- Window shades

CHROME SURFACES, ALUMINUM AND STAINLESS STEEL COMPONENTS

The following items ARE covered under this Warranty:

- Chrome peeling off in sheets
- Chrome cut at mounting bolts due to over-torque at the factory
- Bubbles in the chrome that are not caused by rock chips and/or general rust conditions
- Isolated rust along seams or welds

The following items are NOT covered under this Warranty:

- General rust, for example, rust on the unfinished backside of a bumper
- Dimpling at the mounting bolts
- Staining, bluing, and/or yellowing that can be cleaned with a quality cleaning-product
- Rust, pits, and/or nicks caused by road wash or road debris breaking the chrome surface
- Streaks/stains/corrosion caused by severe wash solutions or corrosive road salts/chemicals

Claims pertaining to failures of chrome surfaces, aluminum, and stainless steel components will not be processed unless a clear digital picture is provided that adequately shows the defect.

CLUTCH ADJUSTMENT

Clutch adjustments are normally required due to clutch wear and are considered normal maintenance. However, if the clutch adjustment is found to be outside of Company specifications during, or prior to, in-service of the vehicle, a warranty claim will be accepted on a one-time basis.

Claims for clutch adjustments will not be accepted unless the adjustment is found to be outside of Company specifications using the special clutch adjustment measuring tools provided by Company (e.g., adjusting the clutch to satisfy feel will not be accepted as warranty).

COMPETITION

Warranty will become void on any vehicle that is used in competition, including but not limited to:

- Racing
- Tractor pulls
- Other motor sports

CONSUMABLE PARTS

Parts that are subject to consumption during their normal service life and are routinely replaced during normal maintenance services are covered up to 15,000 miles (24 000km) for all Daimler Trucks North America LLC vehicles except for Thomas Built Bus (TBB) bodies and chassis. TBB consumable parts are covered up to 30 days from date of in-service.

These items are:

- Antennas
- Ashtrays
- Belts
- Brake Linings
- Cigarette lighter assembly
- Clutch brake
- Clutch linings
- Data logger batteries
- Desiccant cartridges
- Fire extinguishers
- Fluorescent ballast and tubes
- Fuses
- Gladhand
- Hose/antennas
- Light bulbs
- Mattresses
- Mud flaps
- Mud flap mounting brackets
- Caps (including, but not limited to, DEF, fuel, radiator, surge tank)
- Receiver-dryer filter
- Trailer air hoses
- Trailer electrical cables

- Windshield washer nozzles
- Wiper arms and blades (TBB makes – wiper blades only)

Consumable parts NOT covered under this Warranty include, but are not limited to, the following:

- Antifreeze
- Filters (fuel, air, oil, water)
- Fluids (unless low due to a warrantable failure)
- Lubricant

CORROSION

A detailed list of exclusions for CORROSION is listed under Warranty Coverage Descriptions.

DAMAGE

The following are not covered under this Warranty:

- Damage caused by use of the vehicle in any application that is not approved or is inconsistent with build specifications
- Damage resulting from improper use or misuse or abuse, negligence, improper operation, improper or insufficient maintenance (including, but not limited to failure to maintain vehicle as outlined in the driver's/operator's and maintenance manuals), overloading, unauthorized modifications, accidents, or operation at excessive speeds
- Environmental damage, including airborne fallout (including chemicals, tree sap, etc.), or other atmospheric conditions, hailstones, or other acts of nature
- Damage caused by road salts/chemicals or cleaning solvents, detergents or compounds
- Storage deterioration including damage caused by improper or insufficient storage or maintenance
- Damage caused by road hazards or road conditions
- Damage caused during shipping/transport after initial delivery of vehicle
- Damages (including peeling or flaking) caused by high-pressure washing or steam-cleaning
- Damages occurring after in-service (e.g., from rock chips)
- Damages caused by customer-installed sealer in air conditioning systems
- Damages caused by engine horsepower/torque upgrades
- Damage due to vibration associated with misapplication or improper operation of drivetrain components
- Damage due to terrorist activities
- Damage due to acts of war

ENGINE

The engine, including all of its components as supplied by the engine manufacturer, is not covered under this Warranty, but is warranted separately by the manufacturer of the engine. For engine warranty or service, contact the engine manufacturer's authorized sales and service facility.

ENGINE BRAKES, AIR COMPRESSORS, AND OTHER PROPRIETARY ENGINE COMPONENTS

The engine manufacturer installs most air compressors and engine brakes. Any failure of a proprietary engine component or Jacob® Brake component must be filed directly to the engine manufacturer. Failures on non-proprietary engine components can be filed through DTNA.

EXHAUST SYSTEM CLAMPS

During the early life of the vehicle or when the engine is cold, many exhaust clamps exhibit a soot trace. This condition is self-correcting and does not require adjustment, tightening, or replacement of the clamp. Claims for adjusting or tightening will not be paid under warranty.

FIFTH WHEELS

Adjustment of the locking mechanism, bushings, slide locking plungers, and the repair or replacement of lock guards are considered routine maintenance and are not covered under this Warranty.

GLASS, MIRRORS, LENS

Glass, mirror, or lens breakage or chips or scratches of glass, mirrors, or lenses are not covered by this Warranty.

MISAPPLICATION OF VEHICLE

The warranty on any vehicle used inconsistent with its specified vocation/application will be downgraded to the warranty that is consistent with the vehicle use. Any and all claims associated with the misapplication of the vehicle will be subject to chargeback.

MISCELLANEOUS EXPENSES

Premium charges and work not directly related to the repair or replacement of a warranted part are not covered under this Warranty. Examples include, but are not limited to:

- Federal, state, provincial, and local taxes
- Travel expenses
- Loss of revenue
- Customer labor, including overtime labor
- Downtime
- Driver's expenses
- Cost of rental equipment
- Loss of cargo, including perishable cargo
- General housekeeping supplies (i.e., rags, solvents, sweeping compounds, coveralls, etc.)
- Communication charges
- Towing/road call assistance (unless coverage is specifically stated in the applicable warranty coverage table)
- Repair or replacement of optional items not sold or installed by company
- Removal or replacement of dealer, body builder, or customer installed equipment
- Environmental fees, cleanup, or other charges
- Cost of emergency services

MODIFICATIONS TO ORIGINAL EQUIPMENT

Company does not warrant vehicle component or chassis modifications, or equipment installations arranged by Dealers or Customers. In addition, the extra time necessary to remove body builder installed items and/or equipment to work on a warranted repair is not covered under this Warranty unless Company sells the complete chassis/body/equipment as a package.

If Dealers or Customers perform any vehicle modifications or equipment installations, to the extent these modifications or equipment installations adversely affect other vehicle components or vehicle performance, Company shall not accept any product liability or claims under the terms of the vehicle warranty. These claims become the sole responsibility of the person performing the modifications or equipment installations.

PAINT

The following exclusions to paint warranty include, but are not limited to:

- Complete chassis re-painting to repair paint damages
- Damages occurring after in-service (e.g., from rock chips)
- Peeling/flaking caused by high-pressure washing or steam cleaning
- Rusting of painted bumpers
- Removal and/or replacement of decals, striping, and/or lettering not applied by Company
- Specific areas of the vehicle are deliberately not painted or are not painted to any standard; paint repairs are not warrantable to such areas. These areas include:
 - Underside of the hood, including the inside of the wheel wells
 - Underside of the roof-mounted air fairings
 - Underside of the exterior sun visor
 - Inside of the side-mounted air fairings
 - Inside of the bumper
 - Aftertreatment devices

Gloss

Gloss Warranty claims pertaining to gloss issues on vehicles painted with low-gloss colors (identified in the Data Books) will not be covered under this Warranty.

SHIP LOOSE ITEMS AND COMPONENTS

During the manufacturing process, certain vehicle components are normally placed in the cab of the vehicle or strapped down to the chassis for security reasons. It is the Dealer's responsibility to mount these "ship loose" items in the correct location on the vehicle. Mounting of "ship loose" items will not be covered under warranty.

These items include, but may not be limited to, the following:

- Aerodynamic wheel covers
- Antennas
- Fire extinguishers
- Trailer air hoses
- Trailer electrical cables
- Winter fronts
- Tire inflation hoses
- Spare wheels/tires
- Chrome lug nut covers
- Driver's pouch
- Jacks

Daimler Trucks North America has established a Roof Fairing Removal program in order to reduce transport related damage. The Transporter will remove the fairing during the decking process and secure the fairing on the frame rail of the unit. Benefits for this program include fewer units towed in reverse and an overall improved delivery process.

Some units will continue to be received with the fairing collapsed. It is the Dealer's responsibility to mount these fairings correctly. Claims for mounting of these collapsed fairings will not be covered under warranty.

Those units received with the fairing removed, DTNA warranty will reimburse for the re-installation of the roof fairing prior to delivery to the end customer.

If vehicle is drop shipped directly to customer:

Transporter notifies customer that roof fairing has been removed for transport and arranges for re-installation prior to or at delivery.

- If customer has facilities for re-installation of roof fairings, then fairings will be re-installed at final delivery location.
- If customer does not have facilities to re-install fairings, transporter will arrange with nearest authorized DTNA dealership to have fairings re-installed and shuttle units to customer location at no additional cost to our customer.

TRANSMISSIONS

Allison transmissions and components are not covered under this Warranty, but are warranted separately by Allison. Information regarding Allison's warranty is provided for informational purposes only and is subject to change. For warranty or service information, contact Allison's authorized sales and service facility.

The Detroit DT-12 Transmission is not covered under this Warranty. Please see www.ddcsn.com for coverage details.

ROUTINE MAINTENANCE

Routing maintenance, servicing, and adjustment, as defined in the applicable Vehicle Maintenance Manual and Driver's Manual, are excluded from Warranty.

Periodic adjustment or re-torque of wheel bearings, wheel lug nuts, and suspension U-bolts are considered maintenance adjustments and are not covered under warranty.

Vibrations, squeaks, rattles, loose fittings/clamps, hose fitting leaks, loose nuts/bolts/screws, and loose electrical connections may develop during the initial trip(s) of the vehicle and these types of repairs/adjustments are covered under warranty one time during the following applicable initial operating periods unless excluded in the paragraphs below.

Reminder: After the following initial operating periods, these developments are the result of use and their repair/adjustment activities are considered routine maintenance and thus excluded from warranty.

INITIAL OPERATING PERIOD

The Initial Operating Period (IOP) for Daimler Trucks North America LLC vehicles is as follows:

Make	Initial Operating Period
Freightliner, Sterling, Western Star	Up to 15,000 miles/ 24 000 km
Freightliner Custom Chassis Corporation (FCCC)	Up to 25,000 miles/ 40 000 km
Thomas Built Bus (TBB) bodies and TBB chassis*	Up to 6 months from date of in-service

* TBB applications utilizing FCCC chassis retain the FCCC IOP separate from the TBB body.

See **CONSUMABLE PARTS** elsewhere in this section.

Exclusions from warranty during the IOP are:

- Cab, hood, and fender-mounted mirrors are adjusted at the factory but may be retracted by the transporter to prevent damage during transport. Subsequent adjustments and tightening of mirror

mounting hardware are considered part of the routine preparation of the vehicle before Customer delivery. Claims for adjusting the mirrors or tightening of the attaching hardware will not be paid under warranty during or after the initial operating period.

- Claims for re-routing of electrical wiring, hoses, or lines which meet Daimler Trucks North America's routing standards will not be paid under warranty during or after the initial operating period.
- Final preparation of the vehicle for Customer delivery to include cleaning/vacuuming interior of cab, washing windows, washing the exterior of the vehicle, polishing exterior chromed or painted surfaces are considered as ordering-Dealer responsibilities. Claims for these activities will not be paid under warranty during or after the initial operating period.

TEST VEHICLES

Any vehicles being used in testing or used to test specific components must be identified to the Warranty Department and accommodations must be made for claims that relate to the test item(s).

Any vehicles used in endurance testing, such as the Altoona Test, are void of all warranty, new or used.

TIRES AND TIRE BALANCING

The tires are not covered under this Warranty, but are warranted separately by the tire manufacturer. Tire balancing is not covered under warranty.

1.7 Transfer of Warranty

This Warranty is transferable to a subsequent Owner if it has not expired. To ensure the Owner receives proper warranty recognition, the ownership information should be updated in the Company system.

1.8 Change of Owner Address Information

To ensure Company's ability to reach the current Owner with Recall and Field Service campaign information, the Owner's information must be updated whenever there is a change to the Owner's name or address.

1.9 Product Improvement

Company reserves the right to make improvements or changes to the product at any time without incurring any obligation to make such changes or improvements to any other vehicle.

1.10 Owner's Responsibilities

It is the Owner's responsibility to ensure the vehicle is maintained as outlined in the Driver's/Operator's and Maintenance Manuals. It is important that the new Owner becomes familiar with the contents of the warranty information. When the Owner first receives the vehicle, Dealer should review the Owner's Warranty Information booklet with the Owner.

To initiate warranty, customer must complete and sign the Warranty Start Form (WAR275). Dealer must attach the Warranty Start Form to the Product Registration screen in OWL.

Coverage Descriptions

Axles

Coverage includes all factory-installed front axles; rear axles; steer axles; drive axles; tag axles; and pusher axles. Detroit axles are warranted directly through Detroit. *Excludes any axle installed by a dealer or body builder.*

Detroit Axle(s)

All warranty inquiries and claims are filed directly to Detroit Axles. Please see www.ddcsn.com for specific coverage details.

Drive Axle(s)

Coverage includes axle housing, carrier assembly, differential assembly, power divider, axle shafts, and gaskets and seals. *Excludes suspension and torque rod brackets, tie rod ends, wheel end equipment, wiring, yokes, and attaching hardware.*

Front Axle(s)

Coverage is for non-Detroit front axle(s) only. Coverage includes I-beam, steering knuckles, differential on drive steer axle, spindles, kingpin bearings, and steering arms. *Excludes tag axle(s), pusher axle(s), wheel end equipment, steering linkage components, driveline(s), U-joints, and kingpin bushings/kingpin seals.*

Pusher Axle

A pusher axle is a non-driven, weight-bearing axle that can be raised when not required to bear a portion of the load. Since the pusher axle can be of many different configurations, warranty coverage includes all components included in the individual build specification of each individual application.

Rear Axle(s)

Coverage is for non-Detroit rear axle(s) only. Coverage includes axle housing, carrier assembly, differential assembly, power divider, axle shafts, and gaskets and seals. *Excludes tag axle(s), pusher axle(s), suspension and torque rod brackets, wheel end equipment, wiring yokes, driveline(s), U-joints, and attaching hardware.*

Steer Axle(s)

Coverage includes I-beam, steering knuckles, differential on drive steer axle, spindles, kingpins, kingpin bearings and steering arms. *Excludes wheel end equipment, tie rod ends, steering linkage components, kingpin bushings, and king pin seals.*

Tag Axle

A tag axle is a non-driven, continuous weight-bearing axle. Since the tag axle can be of many different configurations, warranty coverage includes all components included in the individual build specification of each individual application.

Battery

Coverage includes Alliance Brand Batteries only; claims for all other brands must be submitted directly to the supplier. Includes starting battery assemblies and factory-installed APU battery assemblies. *Excludes non-*

Alliance Brand batteries, battery cables, battery mounting box and hardware.

Basic Chassis

Coverage includes all factory-installed components of the vehicle/chassis that are not excluded elsewhere in the warranty or by special agreement or described as having a different time, or distance or hours, or listed separately on each new vehicle warranty coverage chart.

Basic Vehicle

Coverage includes all factory-installed components of the vehicle/chassis that are not excluded elsewhere in the warranty, or by special agreement or described as having a different time or distance, or listed separately on each new vehicle warranty coverage chart.

Brightwork

Coverage includes all factory-installed components with chrome, polished aluminum, or polished stainless steel surfaces. *Excludes any damage backside of bumpers, and concealed or inner surfaces.*

Cab Corrosion/Perforation

Coverage is limited to rust-through or perforation of the cab and integral sleeper structure and sleeper box (if applicable) due to corrosion from within. *Excludes all conditions of rust or corrosion that has not resulted in rust-through or perforation as well as surface rust or corrosion caused by non-adhesion. Excludes any damage to the paint such as chips or scratches.*

Cab Structure

Coverage includes cab and integral sleeper structural components, structural components of factory-installed sleeper boxes (if applicable), sheet metal panels, doors, and hoods. *Excludes all bolt-on components including door and hood hinges, latches, guides, and other mounting hardware.*

Corrosion

Coverage provides warranty against corrosion to any metal or metal alloy part of the vehicle. Rust or corrosion to specific components and/or caused by certain conditions are excluded from all Company warranty coverage and will not be paid under Basic Vehicle, Cab Structure, Cab Corrosion, or Aftermarket Parts Warranty.

Exclusions to corrosion warranty include, but are not limited to, the following:

- *Corrosion caused by general rust (for example, rust on the unfinished backside of a bumper)*
- *Surface rust caused by chips or scratches in the paint or chrome surfaces*
- *Corrosion caused by high-pressure washing, severe wash solutions, cleaning solvents, detergents, compounds*
- *Corrosion caused by salinity in the environment or corrosive salts and/or chemicals used on the road surface.*

- *Corrosion caused by acid rain or other industrial fallout*
- *Corrosion due to improper prevention measures during storage or use*
- *Corrosion or rust on tone rings, rotors or drums (rotor exclusion does not apply to hydraulic discs with Magna-Coat Rotors)*
- *Corrosion due to environmental damage (including ocean spray); airborne fallout (includes chemicals, tree sap, etc.), or other atmospheric conditions or other acts of nature*
- *Corrosion due to improper use, misuse or abuse, negligence, including improper or insufficient maintenance*

Cowl Corrosion/Perforation

Coverage is limited to rust-through or perforation of the cowl due to corrosion from within. *Excludes all conditions of rust or corrosion that have not resulted in rust-through or perforation as well as surface rust or corrosion caused by non-adhesion. Excludes any damage to the paint such as chips or scratches.*

Cowl Structure

Coverage includes cowl structural components, sheet metal panels, and hood. *Excludes all bolt-on components including hood hinges, latches, guides, or other mounting hardware.*

Crossmembers

Coverage includes crossmembers, gussets, and huck-mounting bolts that attach gussets to crossmembers and gussets/crossmembers to frame rails. *Excludes any bolt-on item attached with either conventional or huck bolts.*

Driveline

Coverage includes driveshaft tubing, U-joints, yokes, support bearings, and splines.

Frame Rails

Coverage is limited to breaking or cracking of factory-installed frame rails, frame rail liners, frame rail extensions, and any item(s) factory welded to them. *Excludes all bolt-on items regardless if attached with conventional or huck bolts.*

GHG14*

Daimler Trucks North America LLC (DTNA) warrants that its vehicles are (1) designed, built and equipped so as to conform, at the time of sale, with requirements of vehicle manufacturers whose vehicles are designed to meet applicable 2014 and later U.S. Environmental Protection Agency and National Highway Traffic and Safety Administration Standards greenhouse gas and fuel efficiency standards, and (2) free from defects in material and workmanship which cause the vehicle to fail to conform with the vehicle manufacturer's requirements for all vehicle emission control items listed below.

*Coverage name/description may vary, check actual warranty online via OWL's *Coverage Info/Check Coverage* screen for coverage listed as "GHG14..."

GHG14 Tire*

Daimler Trucks North America LLC (DTNA) warrants that its vehicles are (1) designed, built and equipped with tires that conform, at the time of sale, with requirements of vehicle manufacturers whose vehicles are designed to meet applicable 2014 and later U.S. Environmental Protection Agency and National Highway Traffic and Safety Administration greenhouse gas and fuel efficiency standards, and (2) those tires are free from defects in material and workmanship which cause the vehicle to fail to conform with the vehicle manufacturer's requirements for a period of 2 years or 24,000 miles, whichever occurs first. Claims for failures under this coverage are filed directly to the tire manufacturer.

*Coverage name/description may vary, check actual warranty online via OWL's *Coverage Info/Check Coverage* screen for coverage listed as "GHG14..."

Glider

An incomplete vehicle which may be ordered with or without engine and/or major drivetrain components; warranty coverage includes all components as specified in the specific build specification.

Hybrid Transmission - Eaton

Eaton requires that only hybrid-authorized dealerships work on units equipped with Eaton hybrid parts. Pre-authorization is required prior for repair of these vehicles in order to obtain technical assistance and a pre-authorization number for replacement parts. Eaton hybrid parts will be shipped directly from Eaton and will not be stocked in the PDCs due to the short shelf life and low volume. The following hybrid parts are covered under this Warranty: power electronics carrier (PEC), motor generator, inverter, DC/DC converter, hybrid control module (HCM), transmission control module (TCM), clutch, and electronic clutch actuator (ECA). Coverage does NOT include oil cooler or cooling systems. Please reference Roadranger Warranty Guide TCWY0900 for more information on complete listing of limits and exclusions, as well as terms and conditions.

Off Road On-Site Assistance

Coverage is exclusively available for off road vehicles that are prohibited from use on public streets. If this coverage is provided, it will be specifically included in the coverage table as a separate category. Coverage includes on-site assistance and/or equipment transportation to the nearest authorized repairing location for a Daimler Trucks North America LLC warrantable repair.

Paint (Body, Cab, & Cowl)

Paint coverage *excludes lack-of gloss issues on vehicles painted with low gloss colors; the underside of hoods and roof and side mounted air fairings; and any damages to the paint or painted surface such as chips and scratches.*

Body Paint

Coverage includes all factory-painted exterior body surfaces. Warranted against orange peel; peeling/delaminating; cracking or checking; or loss of gloss due to cracking, checking or hazing.

Cab Paint

Coverage includes all factory-painted surfaces (except those included in chassis paint coverage). Warranted against orange peel; peeling or delaminating; cracking or checking; or loss of gloss due to cracking, checking or hazing.

Cowl Paint

Coverage includes all factory-painted exterior surfaces of cowl structure (except those included in chassis paint). Warranted against orange peel; peeling or delaminating; cracking or checking; or loss of gloss due to cracking, checking or hazing.

Paint, Chassis (Chassis Paint)

Coverage includes all factory painted surfaces on frame rails, crossmembers/gussets, front and rear bumpers, suspension components, power train components, drivelines, fuel tanks, air tanks, wheel end equipment, tool boxes, battery boxes, access steps, and attaching brackets and hardware. Warranted against peeling or non-adhesion. *Excludes U-joints and any damages to the paint or painted surface such as chips and scratches.*

Towing/Roadside Assistance

Coverage includes roadside assistance or towing (to the nearest authorized repair location) for a Daimler Trucks North America LLC warrantable repair in a vehicle-down situation that prevents the safe and lawful operation of the vehicle. If this coverage is provided, it will be specifically included in the coverage table as a separate category.

Transfer Case

Coverage includes housing and all internally lubricated parts. *Excludes broken synchronizer pins, PTOs, airlines, gauge, clutch assemblies, driveline(s), and U-joints.*

Transmission

Coverage does not include Allison transmissions, Detroit transmissions, or Eaton Hybrid transmissions. Coverage includes housing and all internally lubricated parts, electric/air shift/control units, valves, gaskets, and seals. *Excludes broken synchronizer pins, PTOs, airlines, gauge, gauge senders, yoke(s), clutch assemblies, clutch and clutch control components including clutch brake, driveline(s), and U-joints.*

Wheel End Equipment

Coverage includes brake components, wheels, hubs, drums, rotors, wheel seals/ bearings, slack adjusters, and attaching hardware.

GARANTIE DE BASE MOTEUR



DETROIT DIESEL WARRANTY
Coverage 17SE0015 / 0711

Model D471903

Delv Date

TYPE: STANDARD
WARRANTY

MONTHS: 24

MILES/HRS: Unlimited

ENG R&R? Y

PARTS? Y

LABOR? Y

ALL ENGINE COMPONENTS SUPPLIED BY DETROIT DIESEL ARE COVERED TO THE TIME AND MILEAGE LIMITS OF THE BASE WARRANTY DESCRIBED ON THE LEFT. ANY COMPONENTS, INCLUDING MAJOR COMPONENTS, WITH EXCEPTIONS TO THESE LIMITS ARE SHOWN BELOW. NOTE: MAJOR COMPONENTS ARE COVERED TO THE LIMITS OF THE BASE WARRANTY, THEN TO 500,000 MILES IN MONTHS 25-60, PARTS AND NO LABOR. AFTERTREATMENT DEVICE (ATD) PROGRESSIVE DAMAGE - PROGRESSIVE DAMAGE TO THE ATD RESULTING FROM INJECTOR FAILURE BEYOND 200,000 MILES BUT WITHIN 2 YEARS WILL BE COVERED BY THIS WARRANTY. FOR ADDITIONAL INFORMATION REFER TO THE WARRANTY PARCHMENT.

MAJOR COMPONENT AND OTHER EXCEPTIONS:

COMPONENT	Miles/Hrs	Parts	Months of Parts Cvr	Labor	Months of Labor Cvr
AIR INL HSG	500,000	Y	60	Y	24
CAMSHAFT	500,000	Y	60	Y	24
CONN ROD	500,000	Y	60	Y	24
CRANKSHAFT	500,000	Y	60	Y	24
CYLINDER BLOCK	500,000	Y	60	Y	24
CYLINDER HEAD	500,000	Y	60	Y	24
FILTER, FUEL	50,000	Y	6	Y	6
FILTER, LUBE OIL	50,000	Y	6	Y	6
FLYWHEEL HOUSING	500,000	Y	60	Y	24
INJECTOR	200,000	Y	24	Y	24
MAIN BEARING BOLTS	500,000	Y	60	Y	24
MAINTENANCE	0	N	0	N	0
NOGROUP	0	N	0	N	0
OIL COOLER HOUSING	500,000	Y	60	Y	24
STARTER	100,000	Y	24	Y	24
WATER PUMP HSG	500,000	Y	60	Y	24

Limited Warranty On New Detroit Diesel EPA10 DD13, DD15 and DD16 Engines Used In On-Highway Vehicle Applications



Terms of Coverage:

Uses

This warranty applies to the first retail purchaser and subsequent owners during the WARRANTY PERIOD of new Detroit Diesel EPA10 DD13, DD15 and DD16 Engines (referred to as Engine) manufactured by Detroit Diesel and/or supplied by Detroit Diesel or Detroit Diesel of Canada Limited (all which are collectively referred to as Detroit Diesel) for use in on-highway vehicle applications.

Defects

This warranty covers Engine REPAIRS to correct any malfunction occurring during the WARRANTY PERIOD resulting from defects in material or workmanship.

Repairs

To obtain warranty repairs, you must request the needed repairs within the WARRANTY PERIOD from an authorized Detroit Diesel service outlet. Only new genuine parts or remanufactured parts or components supplied or approved by Detroit Diesel will be used. Detroit Diesel may, at its discretion, replace rather than repair components. A reasonable time must be allowed to perform the warranty repair after taking the engine to the authorized service outlet. The owner is responsible for the percentage of repair costs shown under WARRANTY PERIOD. Repairs will be performed during normal business hours.

Warranty Period

The WARRANTY PERIOD begins on the date the Engine is delivered to the first retail purchaser or put in use prior to sale at retail, whichever date occurs first, and ends at the time or mileage/kilometer limits shown below:

WARRANTY PERIOD				
Item	Warranty Limitations (Whichever Occurs First)		Repair Charge To Be Paid By Owner	
	MONTHS	MILES/KM	PARTS	LABOR
*Engine	0-24	Unlimited	No Charge	No Charge
Accessories	0-24	0-100,000 mi 0-160,000 km	No Charge	No Charge
Upon expiration of the 24 month warranty coverage, but within 500,000 mi/ 800,000 km of use, the warranty continues to apply as follows:				
†Major Components	25-60	0-500,000 mi 0-800,000 km	No Charge	100% of service outlet's normal charge

†Cylinder Block/Head, Crankshaft, Main Bearing Bolts, Flywheel Housing, Connecting Rod Assemblies, Oil Coolant Module Casting, Water Pump Housing and Air Inlet Housing.

Service Supplies

The cost of service supplies such as coolant, oil and filters which are not reusable due to needed repairs is covered by this warranty.

Like Replacement Engine

Engine(s) supplied by Detroit Diesel as a replacement for an Engine still under warranty will assume the identity of the Engine being replaced and be entitled to the remaining warranty coverage.

Engine Removal and Reinstallation

Reasonable labor costs for engine removal and reinstallation, when necessary to make a warranty repair, are covered by this warranty.

Towing

During the base warranty period reasonable towing costs to the nearest authorized service outlet are covered by the warranty when due to warrantable failure and the engine is either inoperable, cannot be safely operated or continued operation would cause further damage to the Product.

Aftertreatment System (ATS) Progressive Damage

Progressive damage to the ATS resulting from injector failure beyond 200,000 miles / 320,000 kilometers but within 2 years will be covered by this warranty.

This Warranty Does Not Cover:

Repairs Due To Accidents, Misuse, Storage Damage, Negligence Or Certain Modifications

Repairs due to an accident, misuse, misapplication, storage damage, negligence or modification exceeding Detroit Diesel specifications, are not covered by this warranty.

Fuel Injectors After 200,000 Miles/320,000 Kilometers

The repair or replacement of fuel injectors after 200,000 miles/320,000 kilometers of operation is not covered by this warranty.

Maintenance

Detroit Diesel is not responsible for the cost of maintenance or repairs due to lack of performance of required maintenance services or the failure to use fuel, oil, lubricants and coolant meeting Detroit Diesel recommended specifications. Performance of required maintenance and use of proper fuel, oil, lubricants and coolant are the responsibility of the owner. See the Operator's Guide for full details.

Incidental or Consequential Damages

Detroit Diesel is not responsible for incidental or consequential costs or expenses which the owner may incur as a result of a malfunction or failure covered by this warranty, such as vehicle damage, communication expenses, meals, lodging, overtime, loss of use of the Engine or vehicle ("downtime"), loss of time, inconvenience, cargo loss or damage, and other similar costs and expenses.

Other Limitations

The performance of REPAIRS is the exclusive Owner's remedy under this warranty. Detroit Diesel does not authorize any person to assume or create for it any other obligation or liability in connection with the Engine or the Accessories.

THIS LIMITED WARRANTY AND THE EMISSIONS CONTROL WARRANTY ARE THE ONLY WARRANTIES APPLICABLE TO THE ENGINE AND ACCESSORIES AS USED IN ON-HIGHWAY VEHICLE APPLICATIONS. DETROIT DIESEL MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. DETROIT DIESEL SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES AS DESCRIBED ABOVE.

Some states do not allow the limitation of how long this warranty may last or the limitation or exclusion of incidental or consequential damages, so the above may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.



13400 Outer Drive, West / Detroit, Michigan 48239-4001
Telephone: 313-592-5000
www.detroitdiesel.com

DD13 / DD15 / DD16 ENGINE COVERAGE PACKAGES

Garantie prolongée moteur EW4 incluse à la commission
pour 7 ans ou 400,000 km



EW1	Air Inlet Manifold Air Intake Throttle Valve Alternator Bracket* Belt Tensioner Camshaft Assembly (including seals) Cold Pipe Assembly Connecting Rod, Bearings & Bolts Cooler Inlet Pipe Crankcase Breather Oil Separator Crankshaft Thrust Washer Cylinder Block Cylinder Head Assembly Cylinder Head Gasket Cylinder Liner EGR System Engine-Mounted Sensors Exhaust Manifold & Bellows Fan Support Assembly Flywheel, Housing & Gasket Fuel Filter Housing Gear Case Gear Train Gear Train/Timing Case Gasket High Pressure Fuel System & Lines Integrated Engine Brake Low Pressure Fuel Pump Main Bearing Bolts Main Bearings MCM/CPC Oil Cooler, Housing & Gaskets Oil Pan & Seals Oil Press REG & Relief Valves Oil Pump Pistons (rings, pins, retainers) Rocker Arm Assembly Rocker Cover & Seals Thermostat Housing & Gasket Turbo Compound Device & Coupling Turbocharger Outlet Elbow Valves (exhaust, intake) Valve Springs, Guides, Inserts Vibration Damper Water Pump (excludes water pump seal)			
	EW2	EVERYTHING IN EW1, PLUS:	Air Compressor Fuel Injectors Turbocharger Water Pump Seal	
	EW3	EVERYTHING IN EW2, PLUS:	Aftertreatment Control Module Aftertreatment Nox Sensors Aftertreatment Pressure Sensors Aftertreatment Temperature Sensors DEF Pump/Metering Unit/Injection Unit Electrical Harness & Connectors** Hydrocarbon Fuel Line Hydrocarbon Injection Valve Hydrocarbon Metering Unit Seals – Front & Rear Crankshaft	
	EW4	EVERYTHING IN EW3, PLUS:	Aftertreatment System Mounting Brackets & Clamps Diesel Oxidation Catalyst & Housing Diesel Particulate Filter & Housing SCR Catalyst & Housing	

*If supplied by Detroit.

**Engine harnesses and connectors installed at the Detroit plant only. Harnesses and connectors not installed at the Detroit plant can be covered under separate chassis coverage available for purchase.

Note: Component line is not inclusive. This list is intended as an overview only and specification are subject to change without notice.



DETROIT
EXTENDED SERVICE COVERAGE

GARANTIE DE BASE ET PROLONGÉE TRANSMISSION ALLISON

NEW PRODUCT WARRANTY



**PARTICIPATING OEM SALES
DISTRIBUTOR SALES**

LIMITED WARRANTY ON NEW ALLISON AUTOMATIC TRANSMISSIONS USED IN ON-HIGHWAY TRUCK APPLICATIONS OTHER THAN AUTOMOTIVE FIRE APPARATUS APPLICATIONS

Allison Transmission, Inc. will provide for repairs or replacement, at its option, during the warranty period of each new Allison transmission listed below that is installed in an On-Highway Truck other than Automotive Fire Apparatus in accordance with the following terms, conditions, and limitations.

WHAT IS COVERED

- **WARRANTY APPLIES** — This warranty is for new Allison transmission models listed below installed in an On-Highway Truck other than Line Haul and Automotive Fire Apparatus and is provided to the original and any subsequent owner(s) of the vehicle during the warranty period.
- **REPAIRS COVERED** — The warranty covers repairs or replacement, at Allison Transmission's option, to correct any transmission malfunction resulting from defects in material or workmanship occurring during the warranty period. Needed repairs or replacements will be performed using the method Allison Transmission determines most appropriate under the circumstances.
- **TOWING** — Towing is covered to the nearest Allison Transmission Distributor or authorized Dealer only when necessary to prevent further damage to your transmission.
- **PAYMENT TERMS** — Warranty repairs, including parts and labor, will be covered per the schedule shown in the chart contained in section "APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE."
- **OBTAINING REPAIRS** — To obtain warranty repairs, take the vehicle to any Allison Transmission Distributor or authorized Dealer within a reasonable amount of time and request the needed repairs. A reasonable amount of time must be allowed for the Distributor or Dealer to perform necessary repairs.
- **TRANSMISSION REMOVAL AND REINSTALLATION** — Labor costs for the removal and re-installation of the transmission, when necessary to make a warranty repair, are covered by this warranty.
- **WARRANTY PERIOD** — The warranty period for all coverages shall begin on the date the transmission is delivered to the first retail purchaser, with the following exception:
Demonstration Service - A transmission in a new truck or bus may be demonstrated to a total of 5000 miles (8000 kilometers). If the vehicle is within this limit when sold to a retail purchaser, the warranty start date is the date of purchase. Normal warranty services are applicable to the demonstrating Dealer. Should the truck or bus be sold to a retail purchaser after these limits are reached, the warranty period will begin on the date the vehicle was first placed in demonstration service and the purchaser will be entitled to the remaining warranty.

The warranty period for all coverages shall end at the expiration of the coverage set forth below:

APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE

APPLICABLE MODELS	WARRANTY LIMITATIONS (Whichever occurs first)		ADJUSTMENT CHARGE TO BE PAID BY THE CUSTOMER	
	Months	Transmission Miles Or Kilometers	Parts	Labor
MD, HD, 3000, 3200, 3500, 4000, 4500, 4700, 4800, 3000 HS, 4000 HS, 4500 HS, 3000 RDS, 3500 RDS, 4000 RDS, 4500 RDS, 4700 RDS	0-36*	No Limit	No Charge	No Charge
1000 Series, 2000 Series, 2400 Series, 1000, 2100, 2200, 2500, 1000 HS, 2100 HS, 2200 HS, 2350 HS, 2500 HS, 2550 HS, 1000 RDS, 2100 RDS, 2200 RDS, 2350 RDS, 2500 RDS, 2550 RDS, 3000 V, 3000 VR	0-36*	No Limit	No Charge	No Charge

- * Effective July 2006, the Allison transmission in your vehicle may be covered by additional extended coverage, dependent on the Original Equipment Manufacturer (OEM) which manufactured your vehicle. **This additional coverage requires continued use of an Allison Approved TES 295 automatic transmission fluid and genuine Allison filters.** Please consult your OEM Dealer or authorized Allison Transmission Distributor or Dealer for specific information.

Garantie prolongée transmission 5 ans / km illimité
incluse à la soumission

WHAT IS NOT COVERED

• DAMAGE DUE TO ACCIDENT, MISUSE, or ALTERATION

Defects and damage caused as the result of any of the following are not covered:

- Flood, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle;
- Misuse of the vehicle;
- Installation into unapproved applications and installations;
- Alterations or modification of the transmission or the vehicle, and
- Damage resulting from improper storage (refer to long-term storage procedure outlined in the applicable Allison Service Manual)
- Anything other than defects in Allison Transmission material or workmanship

NOTE: This warranty is void on transmissions used in vehicles currently or previously titled as salvaged, scrapped, junked, or totaled.

- **CHASSIS, BODY, and COMPONENTS** — The chassis and body company (assemblers) and other component and equipment manufacturers are solely responsible for warranties on the chassis, body, component(s), and equipment they provide. Any transmission repair caused by an alteration(s) made to the Allison transmission or the vehicle which allows the transmission to be installed or operated outside of the limits defined in the appropriate Allison Installation Guideline is solely the responsibility of the entity making the alteration(s).
- **DAMAGE CAUSED by LACK of MAINTENANCE or by the USE of TRANSMISSION FLUIDS NOT RECOMMENDED in the OPERATOR'S MANUAL** — Defects and damage caused by any of the following are not covered:
 - Failure to follow the recommendations of the maintenance schedule intervals applicable to the transmission;
 - Failure to use transmission fluids or maintain transmission fluid levels recommended in the Operator's Manual.
- **MAINTENANCE** — Normal maintenance (such as replacement of filters, screens, and transmission fluid) is not covered and is the owner's responsibility.
- **REPAIRS by UNAUTHORIZED DEALERS** — Defects and damage caused by a service outlet that is not an authorized Allison Transmission Distributor or Dealer are not covered.
- **USE of OTHER THAN GENUINE ALLISON TRANSMISSION PARTS** — Defects and damage caused by the use of parts that are not genuine Allison Transmission parts are not covered.
- **EXTRA EXPENSES** — Economic loss and extra expenses are not covered. Examples include but are not limited to: loss of vehicle use; inconvenience; storage; payment for loss of time or pay; vehicle rental expense; lodging; meals; or other travel costs.
- **"DENIED PARTY" OWNERSHIP** — Warranty repair parts and labor costs are not reimbursed to any participating or non-participating OEMs, dealers or distributors who perform warranty work for, or on behalf of, end users identified by the United States as being a "denied party" or who are citizens of sanctioned or embargoed countries as defined by the U.S. Department of Treasury Office of Foreign Assets Control. Furthermore, warranty reimbursements are not guaranteed if the reimbursement would be contrary to any United States export control laws or regulations as defined by the U.S. Department of Commerce, the U.S. Department of State, or the U.S. Department of Treasury.

OTHER TERMS APPLICABLE TO CONSUMERS AS DEFINED by the MAGNUSON-MOSS WARRANTY ACT

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Allison Transmission does not authorize any person to create for it any other obligation or liability in connection with these transmissions. **ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THESE TRANSMISSIONS IS LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. PERFORMANCE OF REPAIRS AND NEEDED ADJUSTMENTS IS THE EXCLUSIVE REMEDY UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS, BUT NOT LIMITED TO, LOST WAGES OR VEHICLE RENTAL EXPENSES) RESULTING FROM BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY.****

** Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

OTHER TERMS APPLICABLE TO OTHER END-USERS

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO THE ALLISON TRANSMISSION MODELS LISTED ABOVE AND IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALLISON TRANSMISSION DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SUCH TRANSMISSIONS. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY.

QUESTIONS

If you have any questions regarding this warranty or the performance of warranty obligations, you may contact any Allison Transmission Distributor or Dealer or write to:

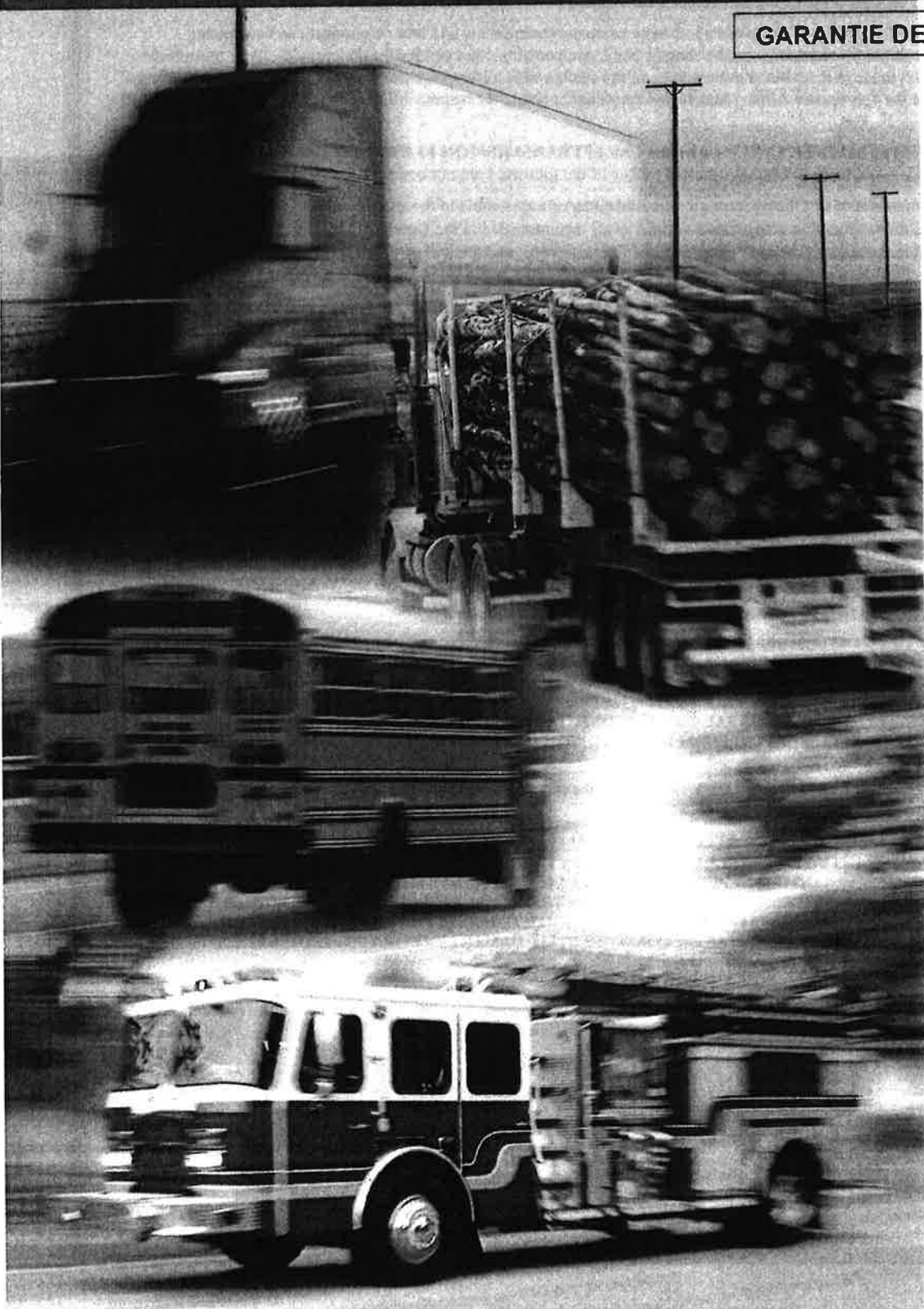
Allison Transmission, Inc.
P.O. Box 894
Indianapolis, IN 46206-0894
Attention: Warranty Administration PF-9

Form SE0617EN (201112)

**MERITOR® COMMERCIAL
VEHICLE SYSTEMS
WARRANTY/MODEL YEAR 2015 VEHICLES**



GARANTIE DE BASE DIFFÉRENTIELS



GENERAL SERVICE WARRANTY INFORMATION

General Service Vehicles

■ Aerial Ladder Truck	■ Front Engine Commercial Chassis	■ Municipal Truck	■ Refrigerated Freight
■ Aerial Platform	■ Front Engine Integral Coach	■ Newspaper Delivery	■ School Bus
■ Ambulance	■ General Freight	■ Pick-Up and Delivery	■ Stake Truck
■ Auto Hauler	■ Intercity Coach	■ Pipe Hauler	■ Tanker
■ Beverage Truck	■ Intermodal Chassis	■ Platform Auto Hauler	■ Tanker Truck
■ Chip Hauler	■ Livestock Hauler	■ Pumper	■ Tour Bus
■ Cross Country Coach	■ Meat Packer	■ Rear Engine Integral Coach	■ Wrecker
■ Flatbed	■ Moving Van	■ Recreational Vehicles	

General Service Typically Is

- Lower mileage operations (less than 60,000 miles/year)
- Generally, on-road service (less than 10% off-road)
- An average of three (3) miles between starting and stopping

Coverage under Meritor's warranty requires that the application of products be properly approved pursuant to OEM and Meritor approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, TP-12126 for drivelines, and/or contact Meritor regarding specific application approval questions on any product line.

Front Drive/Non-Drive Steer Axles – 2/Unl/P&L

FD-965	FF-967	MFS-6-162B-N	MFS-8-153B-N	MFS-13-122A-N
FF-941	FG-941	MFS-6-153C-N	MFS-8-163B-N	MFS-13-143A-N
FF-942	FH-941	MFS-6-162C-N	MFS-10-122A	MFS-13-144A-N
FF-943	FH-946 ¹	MFS-7-113C-N	MFS-10-143A-N	MFS-14-143A-N
FF-944	FL-941	MFS-7-153C-N	MFS-10-144A-N	MFS-16-122A-N
FF-946	FL-943	MFS-7-163C-N	MFS-12-143A-N	MFS-16-143A-N
FF-961	MFS-6-151A-N	MFS-8-113B-N	MFS-12-144A-N	MFS-18-133A-N
FF-966	MFS-6-153B-N	MFS-8-143A-N	MFS-12E-143A-N	MFS-20-133A-N

¹ Can also be used with reduced steer angles in tag position in Coach Applications.

Rear Drive Single Axles – 2/Unl/P&L

MS-10-113	RS-19-144/145/A	RC-23-160	RS-23-161	RS-30-185
MS-11-113	MS-21-14X	RC-23-161	RS-23-161	MS-30-616
MS-12-113	MS-21-144	RC-23-162 ¹	RS-23-186	RS-35-380
MS-17-14X	RS-21-145	RC-23-165 ¹	RS-24-160	71162
MS-19-14X	RS-21-145/A	RH-23-160	RC-25-160	71163
RS-13-120	RS-21-160	RH-23-161	RS-25-160	79163
RS-15-120	RC-22-145	RS-23-160	RS-26-185	
RS-17-144/145/A	RC-22-145/A	RS-23-160	MS-26-616	

¹ 3/Unl/P&L if PreSet by Meritor.

Rear Drive Tandem – 3/Unl/P&L

RT-40-160/P	RT-46-164EH/P
RT-46-160/P	RT-50-160/P

Drivelines

RPL	4/400/P, 1/Unl/P&L
MXL	3/350/P, 1/Unl/P&L
155N	1/Unl/P
92N	1/Unl/P

Rear Drive Tandem/Tridem Axles – 2/Unl/P&L

MT-34-14X/P	MT-44-14X/P	MT-58-616
RT-34-144/P/A	RT-44-145/P	RT-58-185 ¹
MT-40-14X/P	RT-46-169	MT-70-380
MT-40-144/P	MT-52-616	RZ-166
RT-40-145/P/A	RT-52-185 ¹	RZ-188

¹ Each vehicle must have a Request for Application Recommendation (RAR) approved by Meritor prior to vehicle build. All RARs must identify the chassis number or VIN. Refer to Product Information Letter #303 and #396 for further details.



GENERAL SERVICE WARRANTY INFORMATION

Brake Components

Cam Q Series Trailer Brakes	3/Unl/P, 1/Unl/L
LX500 Feature ¹	3/Unl/P&L
Cam P ³	2/200/P
Cam	3/Unl/P
Q+ Drum Brake™	3/Unl/P&L
Q+ Drum Brake™ ³	2/200/P&L
ASA	3/Unl/P
ASA ³	2/200/P
Hubs/Cast Drums and Other Wheel-end Components	1/Unl/P
Hydraulic Disc Brakes	1/Unl/P
All Other Brakes	1/Unl/P
STEELite Drum Brake™ ²	12-Years or Wearable Life/P
EX+ Air Disc Brake™	2/Unl/P&L

¹ Includes: bushing, seal, cam, ASA lubrication and wear coverage of 1/Unl/P.

² Based on stamped wear diameter max.

³ Applies to Tour Bus and Cross Country Coach only.

Trailer Axles

Beam and Brackets ¹	5/500/P, 1/100/L
Wheel End Systems ²	
Standard System ³	1/Unl/P&L
AxlePak4 ⁴	4P/3L
Beam and Brackets	5/500/P, 1/100/L
AxlePak6 ⁵	6P/5L
Beam and Brackets	6/600/P, 1/100/L

¹ 9000 Series is 3/Unl/P, 1/Unl/L

² Includes hub, wheel seals and wheel bearings—all systems require annual inspections and proper documentation to ensure full coverage.

³ When installed by Meritor

⁴ Applies to STEMCO Guardian HP Seal, STEMCO Pro-Torq nut, STEMCO Integrated Sentinel Hub Cap, and Meritor bearings.

⁵ Applies to STEMCO Guardian HP Seal, STEMCO Pro-Torq nut, STEMCO Integrated Sentinel Hub Cap, and STEMCO matched bearing sets.

(For brake components and ABS coverage, refer to appropriate product warranties.)

Chassis Axles (2000 Series/ChassiPak)

Beam & Brackets	6/Unl/P, 1/Unl/L
Wheel End Systems ¹	
Standard System	1/Unl/P&L
AxlePak4 ²	4P/3L
Beam and Brackets	7P/1L
AxlePak6 ³	6P/5L
Beam and Brackets	7P/1L

¹ Includes hub, wheel seals and wheel bearings—all systems require annual inspections and proper documentation to ensure full coverage.

² Applies to STEMCO Guardian HP Seal, STEMCO Pro-Torq nut, STEMCO Integrated Sentinel Hub Cap, and Meritor bearings.

³ Applies to STEMCO Guardian HP Seal, STEMCO Pro-Torq nut, STEMCO Integrated Sentinel Hub Cap, and STEMCO matched bearing sets.

Trailer Air Suspension Systems

MPA38/40 (Tandem Axle Parallelogram) ¹	
Major Structural Components	5/Unl/P, 1/Unl/L
Curbing Damage Warranty ²	5/500/P, 1/100/L
Height Control Valve	1/Unl/P&L
Shock Absorbers	2/Unl/P&L
Air Springs	2/Unl/P, 1/Unl/L
Bushings	7/Unl/P, 5/Unl/L
Air Controls	1/100/P&L
Air Actuator	3/300/P&L
MPA20 (Single Axle Parallelogram)	
Major Structural Components	5/Unl/P, 1/Unl/L
Height Control Valve	1/Unl/P&L
Shock Absorbers	2/Unl/P&L
Air Springs	2/Unl/P, 1/Unl/L
Bushings	7/Unl/P, 5/Unl/L
MTA (Trailing Arm)	
Major Structural Components	5/Unl/P, 1/Unl/L
Height Control Valve	1/Unl/P&L
Shock Absorbers	2/Unl/P&L
Air Springs and Rebound Straps	2/Unl/P, 1/Unl/L
Bushings ³	5/Unl/P, 3/Unl/L

(For axle and ABS coverage, refer to appropriate product warranties.)

¹ Fastener torque coverage is limited to 2/Unl P&L when torqued by Meritor

² "Curbing damage" is defined as deformation (bending, buckling, or breakage), caused by sudden impact with a curb or similar fixed object. Damage to the RideSentry slider box (the suspension sliding subframe, consisting of the frame rails, crossmembers, and central A-frame assembly), caused by accidental trailer impact with a curb or similar fixed object, is eligible for warranty coverage. Damage to other components or damage resulting from collision with another vehicle, rollover or fire is not covered under this provision. Warranty is not transferrable to another trailer VIN, and coverage does not apply if the trailer is deemed to be a total loss, scrapped, or otherwise not salvageable.

³ Raw wood applications 3/Unl/P, 1/Unl/L

TAG/Pusher Axles

TQ, TQD, TR, TRD Beam and Brackets ¹	3/Unl/P, 1/Unl/L
MC12002, MC14002, MC16003, FH946	2/Unl/P&L
(For brake components and ABS coverage, refer to appropriate product warranties.)	

¹ 3/Unl/P&L if sold with PreSet by Meritor.

Meritor® Tire Inflation System by PSI

MTIS Components	3/500/P&L
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TERMS AND CONDITIONS

Coverage Exclusions

Product Description

All

The cost of any repairs, replacements or adjustments to a covered component (1) associated with noise; (2) resulting from the use or installation of non-genuine Meritor components or materials; (3) due to vibration associated with improper operation or misapplication of drivetrain components; and (4) damage resulting from corrosion.

Front Axles

King Pin Bushings.

Rear Axles

Self-contained traction equalizers and oil filters. The use of NoSPIN differentials will result in the exclusion of axle shafts from warranty considerations. NoSPIN is a product of Eaton.

ASA

Boot and bushing. Bent, broken, over-torqued, missing or otherwise damaged pawl assemblies.

Cam Brake

Brake lining wear and brake shoe "rust-jacking."

Disc Brake

Pad wear, rotor wear.

Coverage Limitations

Product Description

All

Any claim beyond 60 days from date of repair will not be accepted or honored under this warranty program. Products purchased on an incomplete vehicle (glider) are limited to one year, unlimited miles parts only (1/Unl/P).

Front Axles

Tie rod and tie rod ends limited to 3-year/300,000-mile or published vocational coverage, whichever is less. Wheel seals, gaskets and wheel bearings are covered for 1 year/unlimited miles if the wheel end equipment is supplied and assembled by Meritor.

Rear Axles

Pinion and through shaft seals limited to 3-year/300,000-mile or published vocational coverage, whichever is less, if yoke is installed by Meritor. If yoke is not installed by Meritor, then Meritor does not warrant pinion seals. Wheel seals, gaskets and wheel bearings are covered for 1 year/unlimited miles if the wheel end equipment is supplied and assembled by Meritor.

Rear Axles

The Meritor® breather part number A-2297-C-8765 with A-3196-J-1336 hose must be used for eligibility of any potential warranty consideration relating to contamination and/or loss of lube in axles.

Cam Brake

Limited to bracket, brake spider and camshaft structural integrity.

STEELite X30

Wearable life is up to the discard diameter of the drum.

Disc Brake

Warranty coverage for boots, seals, bushings and pins is 2/200/P. Warranty coverage for pads is 1/100/P.

Warranty coverage on vehicles with 1,850 lb-ft engine torque and over may be reduced on individual drivetrain components. Contact your Meritor representative for specific details.

TERMS AND CONDITIONS

(1) What is Covered by this Commercial Warranty?

Meritor Inc. warrants to the owner ("Owner") that the components listed in this publication, which have been installed by an Original Equipment Manufacturer ("OEM") as original equipment in vehicles licensed for on-highway use, will be free from defects in material and workmanship. This warranty coverage begins only after the expiration of the OEM's vehicle warranty for the applicable covered components. Warranty coverage ends at the expiration of the applicable time period from the date of vehicle purchase by the first Owner, or, the applicable mileage limitation, whichever occurs first. Duration of coverage varies by component and vocation as detailed elsewhere in this warranty statement.

Some components are warranted for parts only and the Owner must pay any labor costs associated with the repair or replacement of the component. Other components are warranted for both parts and reasonable labor to repair or replace the subject component. Components (whether new, used or remanufactured) installed as replacements under this warranty are warranted only for the remainder of the original period of time or mileage under the original warranty.

For certain components, coverage requires the use of specific extended drain interval or synthetic lubricants. For further information about lubrication and maintenance, see Meritor publication Maintenance Manual Number 1 and the applicable Meritor maintenance manual for the product in question. Other conditions and limitations applicable to this warranty are detailed below.

(2) Designation of Vocational Use Required.

To obtain warranty coverage, each Owner must notify Meritor through the OEM new truck and/or trailer dealer of the intended vocational use of the vehicle into which the Meritor components have been incorporated prior to the vehicle in-service date. This notification may be accomplished by registering the vehicle through your OEM new truck and/or trailer dealer or with Meritor directly. Failure to notify Meritor of (I) the intended vocational use of the vehicle or (II) a change in vocational use from that which was originally designated, will result in the application of a one year, unlimited mileage, parts only warranty (1/Unl/P) from the initial in-service date.

A second Owner and each subsequent Owner must also notify Meritor as to the intended vocational use of the vehicle. This notification can be sent directly to Meritor or through the OEM new truck and/or trailer dealer. The duration and mileage coverage of this warranty cannot exceed the coverage extended to the first Owner after his or her initial designation of vocational use.

Coverage under Meritor's warranty requires that the application of products be properly approved pursuant to OEM and Meritor approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, TP-12126 for drivelines, and/or contact Meritor regarding specific application approval questions on any product line.

(3) What is the Cost of this Warranty?

There is no charge to the Owner for this warranty.

(4) What is not Covered by this Warranty?

This warranty does not cover normal wear and tear; nor does it cover a component that fails, malfunctions or is damaged as a result of (I) improper installation, adjustment, repair or modification (including the use of unauthorized attachments or changes or modification in the vehicle's configuration, usage, or vocation from that which was originally approved by Meritor), (II) accident, natural disaster, abuse, or improper use (including loading beyond the specified maximum vehicle weight or altering engine power settings to exceed the axle and/or driveline capacity), or (III) improper or insufficient maintenance (including deviation from approved lubricants, change intervals, or lube levels). This warranty does not cover any component or part that is not sold by Meritor. For vehicles that operate full or part time outside of the United States and Canada, a one year, unlimited mileage, parts only warranty (1/Unl/P) will apply.

(5) Remedy.

The exclusive remedy under this warranty shall be the repair or replacement of the defective component at Meritor's option. Meritor reserves the right to require that all applicable failed materials are available and/or returned to Meritor for review and evaluation.

(6) Disclaimer of Warranty.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESSED, IMPLIED OR STATUTORY INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

(7) Limitation of Remedies.

In no event shall Meritor be liable for special, incidental, indirect, or consequential damages of any kind or under any legal theory, including, but not limited to, towing, downtime, lost productivity, cargo damage, taxes, or any other losses or costs resulting from a defective covered component.

(8) To Obtain Service.

If the Owner discovers within the applicable coverage period a defect in material or workmanship, the Owner must promptly give notice to either Meritor or the dealer from which the vehicle was purchased. To obtain service, the vehicle must be taken to any participating OEM new truck and/or trailer dealer or authorized Meritor service location. The dealer will inspect the vehicle and contact Meritor for an evaluation of the claim. When authorized by Meritor, the dealer will repair or replace during the term of this warranty any defective Meritor component covered by this warranty.

(9) Entire Agreement.

This is the entire agreement between Meritor and the Owner about warranty and no Meritor employee or dealer is authorized to make any additional warranty on behalf of Meritor. This agreement allocates the responsibilities for component failure between Meritor and the Owner.

Vehicle models, brands and names depicted herein are the property of their respective owners, and are not in any way associated with Meritor, Inc., or its affiliates.



Meritor Heavy Vehicle Systems, LLC
2135 West Maple Road
Troy, Michigan 48064 USA

For more information:
call Ontrac at 866-668-7221
or visit meritor.com

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MUNICIPAL

4700	4800	4900
SF SB	SF SB	SF SB
	TS	XD TS



Serious trucks.

THE END OF COMPROMISE HAS BEEN ACHIEVED.

You don't want the almost right truck. You want the right truck. Which is just another way to say a Western Star. It's designed to flat out work, every single day. No excuses. No complaints. That's because this is the work truck that was built to be a work truck. And we have a whole family of them that can be customized to do whatever you need,

In fact, a Star is so well-built, it's going to keep running long after the others stop. And the low cost of operation you get over the life of your Western Star truck makes it a true long-term investment. That's how we've been doing it since we built our first one over 40 years ago. With this kind of value, no wonder Stars are the trucks real pros turn to.

Close enough just isn't good enough.
 After 100 years of engineering, Detroit Diesel has a reputation for building engines that are reliable, efficient and easy to maintain. That's why they're the most popular engine in the world. And now, with the new 6V-92TA, they've taken it to the next level. The 6V-92TA is a 6-cylinder, 92 cubic inch engine that produces 200 horsepower and 2500 lb-ft of torque. It's the most powerful engine in its class, and it's the most efficient. That's why it's the engine of choice for the world's leading manufacturers. And now, with the new 6V-92TA, they've taken it to the next level. The 6V-92TA is a 6-cylinder, 92 cubic inch engine that produces 200 horsepower and 2500 lb-ft of torque. It's the most powerful engine in its class, and it's the most efficient. That's why it's the engine of choice for the world's leading manufacturers.

DEMAND POWER AND EFFICIENCY
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EASY MAINTENANCE, GREATER UPTIME
 The 6V-92TA is a 6-cylinder, 92 cubic inch engine that produces 200 horsepower and 2500 lb-ft of torque. It's the most powerful engine in its class, and it's the most efficient. That's why it's the engine of choice for the world's leading manufacturers.

READY, WILLING AND MORE THAN ABLE.

It's not just the size of the engine that makes the 6V-92TA so powerful. It's the way it's built. The 6V-92TA is a 6-cylinder, 92 cubic inch engine that produces 200 horsepower and 2500 lb-ft of torque. It's the most powerful engine in its class, and it's the most efficient. That's why it's the engine of choice for the world's leading manufacturers.

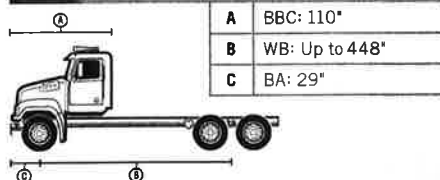
Body builder friendly.
 The 6V-92TA is a 6-cylinder, 92 cubic inch engine that produces 200 horsepower and 2500 lb-ft of torque. It's the most powerful engine in its class, and it's the most efficient. That's why it's the engine of choice for the world's leading manufacturers.

A NICE PLACE TO CALL WHEN...
 The 6V-92TA is a 6-cylinder, 92 cubic inch engine that produces 200 horsepower and 2500 lb-ft of torque. It's the most powerful engine in its class, and it's the most efficient. That's why it's the engine of choice for the world's leading manufacturers.

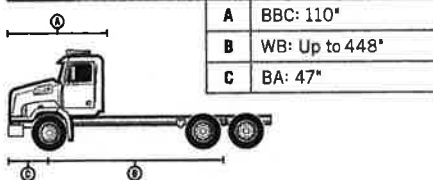
WHEN WE'RE DEAD...
 The 6V-92TA is a 6-cylinder, 92 cubic inch engine that produces 200 horsepower and 2500 lb-ft of torque. It's the most powerful engine in its class, and it's the most efficient. That's why it's the engine of choice for the world's leading manufacturers.

4700

SF SET FORWARD AXLE

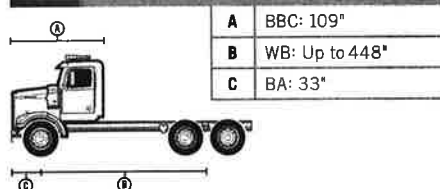


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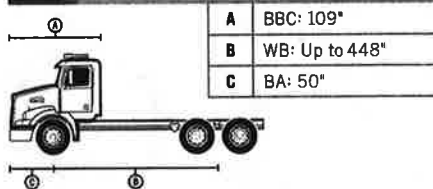


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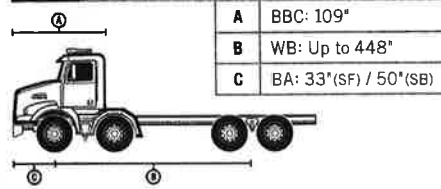
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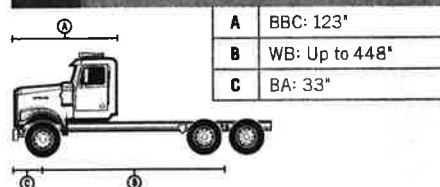


TS TWIN STEER, SF SB

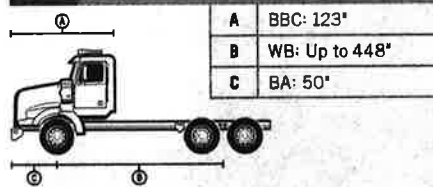


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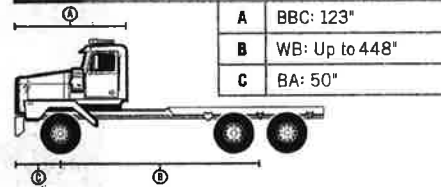
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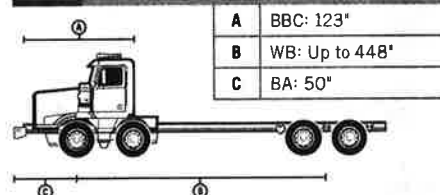
SB SET BACK AXLE



XD EXTREME DUTY



TS TWIN STEER



For the Western Star Dealer nearest you, call 1-866-850-STAR | WESTERNSTAR.COM

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MOTEUR

DD13®

DE
350-470
chevaux-vapeur

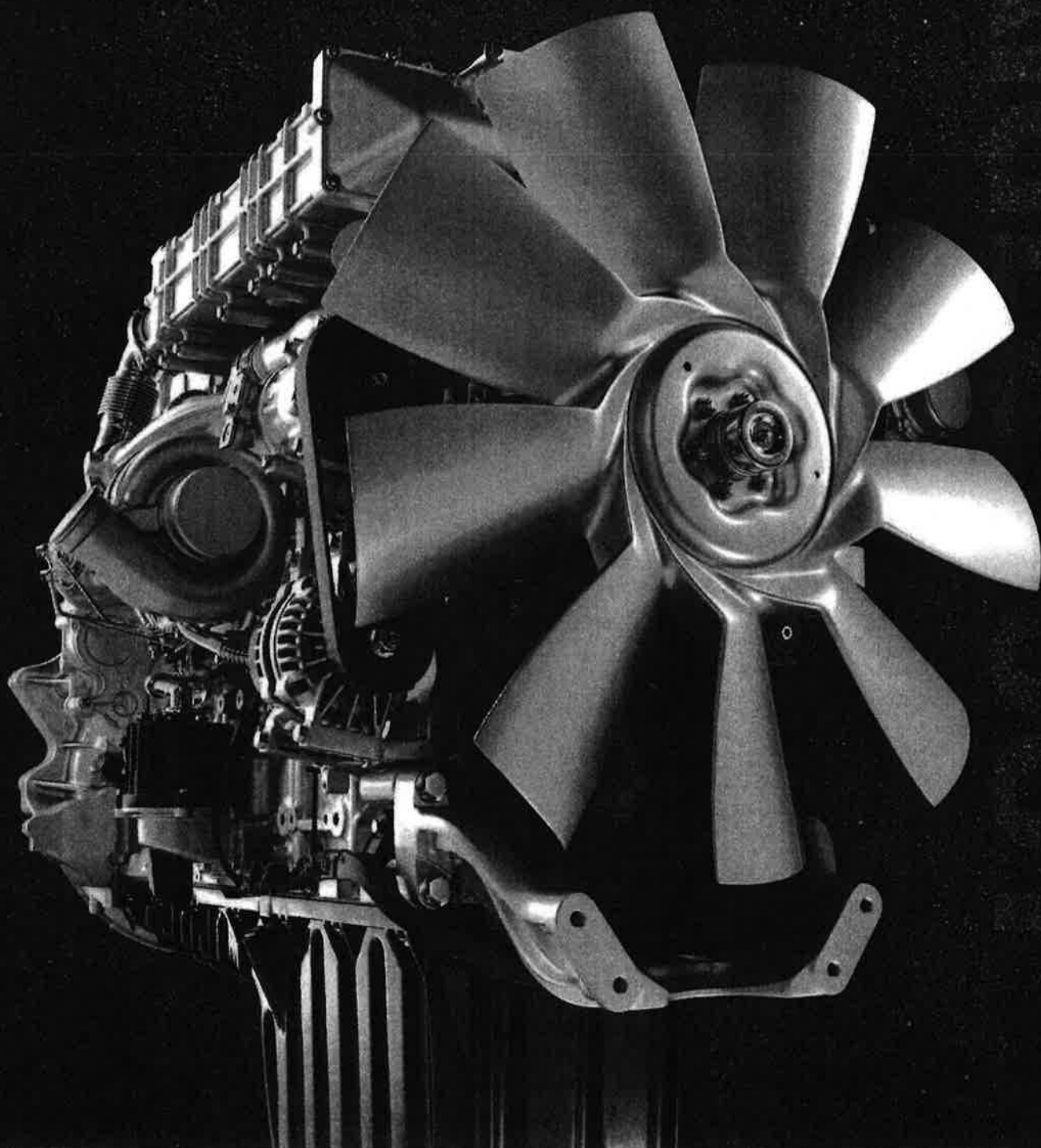
DE
1250-1650
de couple lb-pi

CYLINDRÉE
12,8
litres

DETROIT DIESEL
BLUETEC



DD13



CONSTRUIT POUR VOTRE RÉSULTAT.

LE BON MOTEUR POUR VO



DISTRIBUTION RÉGIONALE

PARCOUREZ LA DISTANCE, ET ENCORE PLUS.

Arrêter et partir... Il y a beaucoup plus. Vous devez respecter un horaire et le moteur du DD13 vous permet de garder la cadence. Lorsque vous avez besoin d'entretien, plus de 800 centres de services autorisés sont prêts, avec des pièces et des techniciens bien formés.

PROFESSIONNEL

PLUS VOUS LE PUSSEZ, PLUS IL PERFORME.

Ce moteur est construit pour être robuste. Il est idéal, pour tirer, décharger ou mélanger. Poussez le DD13 à sa limite. Il est construit pour travailler.

EN DERNIÈRE ANALYSE, LE DD13 SIGNIFIE : ÉCONOMIE,

LE MOTEUR DD13® DE DETROIT DIESEL, DOTÉ DE LA TECHNOLOGIE D'ÉMISSIONS BLUETEC® A ÉTÉ CONÇU POUR ÊTRE PROFITABLE.

Vous arrêtez, démarrez, tirez, chargez, déchargez, livrez.

Vos exigences de conduite sont différentes et votre moteur devrait l'être aussi. C'est la raison pour laquelle Detroit Diesel offre le DD13, doté de la technologie d'émissions BlueTec. Conçu spécifiquement pour l'expédition de détail - camion (LTL) et les opérateurs de distribution professionnelle et régionale, le DD13 utilise la toute dernière technologie de conception pour diesel afin de créer un cheval de traie de 12,8 l qui économise du carburant. Depuis plus de 70 ans, les ingénieurs de Detroit Diesel construisent des moteurs robustes,

économiques et fiables. Nous savons ce qui donne des résultats... et ce qui n'en donne pas. C'est la raison pour laquelle le DD13 respecte la conception de moteur de base de son grand frère, qui a eu tant de succès, le Detroit Diesel DD15[™]. Assemblé dans notre usine de Detroit, au Michigan, le DD13 est tout ce dont vous avez besoin et rien de ce dont vous n'avez pas besoin. Alors que l'économie et l'épargne sont à l'ordre du jour, le DD13, doté de la technologie BlueTec, est prêt à faire progresser votre entreprise.

TRE DOMAINE DE TRAVAIL.



LTL

LES CHARGES VARIENT, LA PERFORMANCE RESTE LA MÊME.

Vous voyagez dans ou à l'extérieur de la ville. Chaque jour est différent. Mais vous pouvez compter sur le DD13 pour une conduite douce et efficace, peu importe le trajet, la palette ou la charge.

FACILITÉ D'ENTRETIEN, PERFORMANCE. EXIGEZ TOUT.

EXIGEZ L'ÉCONOMIE

PROFITS PAR GALLON.

Le DD13 tire avec couple jusqu'à 1100 tr/min, ce qui permet au conducteur de passer plus de temps en haute vitesse et faire jusqu'à 5 % de mpg de plus.* Conçu pour économiser le carburant, il tire le maximum de chaque gallon avec un système amplifié d'injection directe à rampe haute pression (Amplified Common Rail System [ACRS™]) qui maximise chaque événement d'injection, minimise la consommation de carburant et réduit les émissions d'oxydes d'azote (NOx). Offert exclusivement dans les moteurs Detroit Diesel, l'ACRS travaille en synchronie avec nos commandes de moteurs électroniques DDEC™ 10 pour livrer la quantité exacte de carburant requis, juste au bon moment et créer un événement de combustion optimale. Tout réglage plus précis de la combustion se traduit par des émissions plus faibles, un bruit et une vibration moindres du moteur, ainsi que moins de temps perdu à la pompe. Tout, jusqu'au système de refroidissement évolué qui réduit le temps de fonctionnement du ventilateur, a été conçu pour minimiser la consommation de carburant.

La technologie d'émissions BlueTec est un autre facteur qui contribue à l'économie de carburant impressionnante du DD13. BlueTec a été conçu pour permettre au DD13 une performance maximale. En traitant les gaz d'échappement à l'extérieur du moteur et en utilisant moins de RGE, la technologie d'émissions BlueTec permet de prolonger les intervalles de régénération.

ACRS™

JUSQU'À
5%
D'ÉCONOMIE
SUPPLÉMENTAIRE
DE CARBURANT*

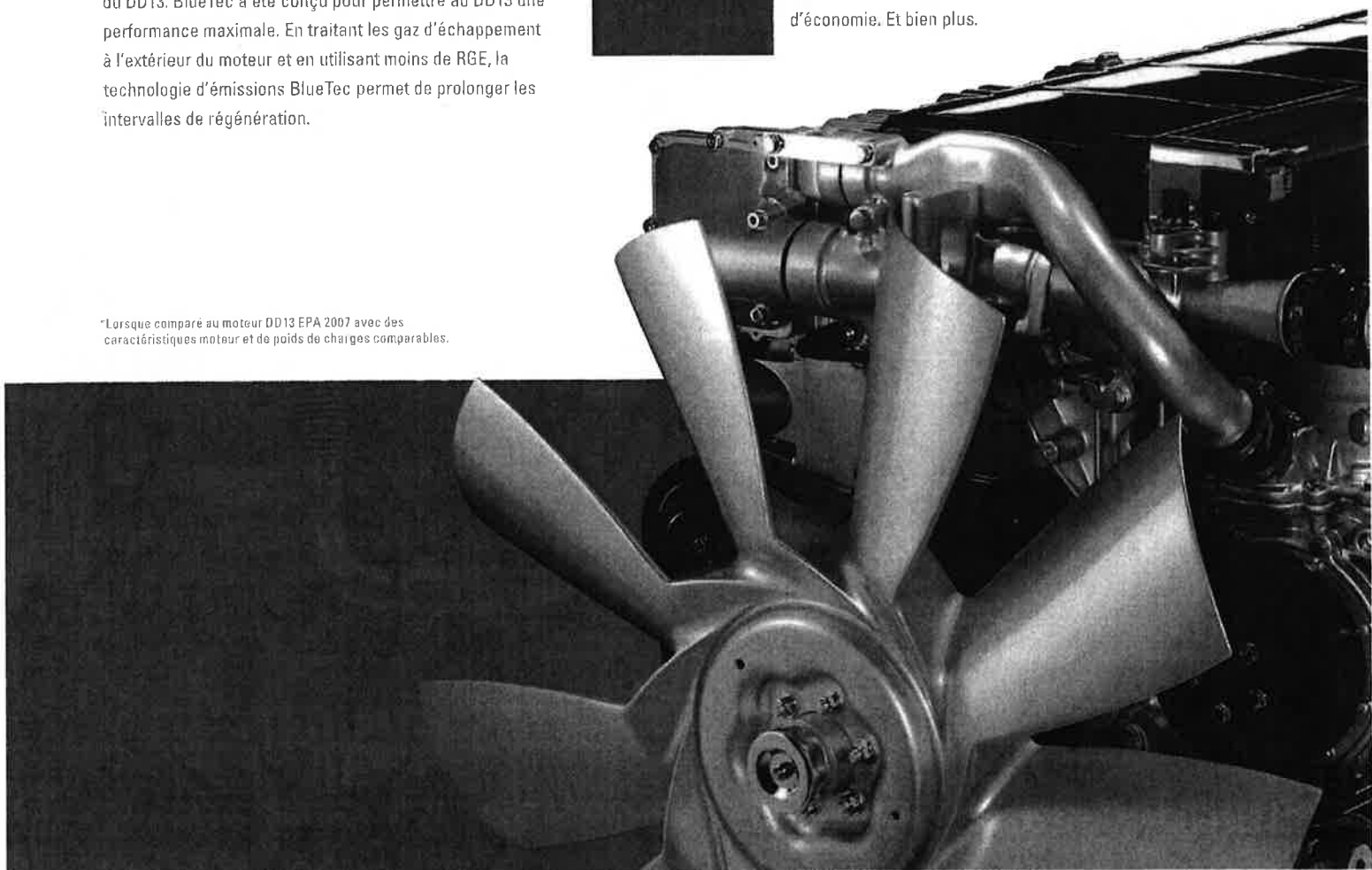
ÉQUIPÉ POUR VOUS.

Vous avez des attentes. Avec une chaîne cinématique correctement optimisée pour l'application, le DD13 vous aide à les réaliser. Par exemple, les engrenages du véhicule sont un autre facteur important dans l'équation d'économie de carburant. Voici ce que vous pouvez attendre des applications typiques de tracteurs-remorques de 36 287 kg / 80 000 lb ou moins pour autoroutes.

- Pour une économie maximale de carburant à 105 km/h / 65 mi/h, l'engrenage du moteur doit tourner à 1400 tr/min
- Lorsqu'une performance supplémentaire est requise, l'engrenage du moteur doit tourner à une vitesse de 1500 tr/min à 105 km/h / 65 mi/h.
- Pour des recommandations d'engrenages adaptées à des applications professionnelles particulières, veuillez visiter votre représentant local de Detroit Diesel.

Lorsque vous êtes prêts à configurer votre DD13, nos experts en moteur et notre vaste réseau de soutien nous permettront de vous offrir la combinaison idéale de moteur et de chaîne cinématique qui répondent à vos besoins. En accédant à l'outil Detroit Diesel Spec Manager®, nous pourrions analyser vos spécifications et nous assurer de répondre à tous vos besoins de performance et d'économie. Et bien plus.

*Lorsque comparé au moteur DD13 EPA 2007 avec des caractéristiques moteur et de poids de charges comparables.



EXIGEZ LA FACILITÉ D'ENTRETIEN

CONÇU POUR VOUS GARDER SUR LA ROUTE.

Si passer du temps aux postes de service ne correspond pas à votre idée de la productivité, vous apprécierez le fait que le DD13 peut rouler jusqu'à 80 467 km / 50 000 miles sans changement d'huile, de filtre à huile et de filtre à carburant. C'est le plus long intervalle de service programmé de sa classe. Il y a encore mieux, garder un oeil sur ces importants articles d'entretien est facile. Toutes les pièces de routine, comme les filtres de type cartouche et la soupape de remplissage d'huile sont situés au-dessus des longerons de cadre de châssis pour une vérification et un remplacement faciles. Encore plus simple, le reniflard de carter n'exige aucun entretien.

Lorsque vous avez besoin de pièces authentiques et d'un service assuré par des experts, Detroit Diesel maintient un réseau qui vous permettra de retourner rapidement sur la route. Le DD13 réduit vos coûts de possession à chaque virage en partageant ses procédures de service et 65 % de ses pièces avec le DD15. En plus, vous êtes soutenus par le réseau : plus de 800 détaillants de service autorisés, un programme primé de formation de techniciens, un réseau étendu de distribution de pièces et une assistance moteur jouissant d'une grande expertise composent notre centre d'assistance technique. Detroit Diesel réunit tous les éléments pour vous offrir les pièces authentiques et les services d'experts dont vous avez besoin pour exiger tout.

Intervalle d'entretien

Article	Mi/h [†]	Utilisation intensive	Courte distance	Longue distance
Changement de l'huile et du filtre à huile*	Km/mi	40 233/25 000	56 327/35 000	80 467/50 000
	Heures	640	895	1280
Changement du filtre à carburant	Km/mi	40 233/25 000	56 327/35 000	80 467/50 000
	Heures	640	895	1280
Ajustement du jeu des soupapes	Km/mi	Ajuster tous les 160 934 km/100 000 mi, à 804 672 km/500 000 mi et aux 804 672 km/500 000 mi par la suite		
	Heures	Ajuster tous les 2565 à 12 825 et aux 12 825 par la suite		
Filtre à particules pour diesel	Km/mi	Un « voyant de vérification du moteur » s'allume lorsque la cendre doit être enlevée. Les intervalles normaux de nettoyage de la cendre FPD (filtre à particules pour diesel) sont entre 482 803 km et 643 737 km		
	Heures	Un « voyant de vérification du moteur » s'allume lorsque la cendre doit être enlevée. Les intervalles normaux de nettoyage de la cendre du FPD (filtre à particules pour diesel) sont entre 9000 h et 10 250 h		
Filtre de pompe LED	Km/mi	241 401/150 000	280 635/175 000	402 336/250 000
	Heures	3840	4475	6400

* Basés sur l'huile de graissage et le programme d'analyse d'huile de Detroit Diesel.

L'utilisation intensive s'applique jusqu'à 48 280 km/30 000 mi par année sur un véhicule qui consomme en moyenne cinq miles par gallon.

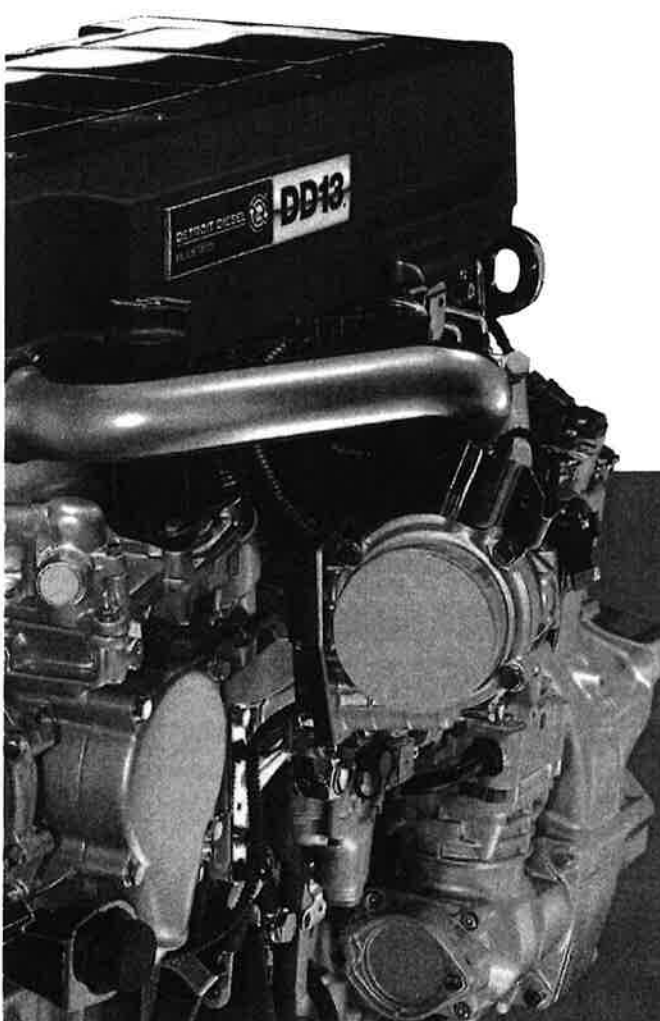
La courte distance s'applique à une plage de 48 280 et 96 560 km (30 000 et 60 000 mi) par année sur un véhicule qui consomme en moyenne 5,1 et 5,9 mpg.

La longue distance s'applique à plus de 96 560 km (60 000 mi) par année sur un véhicule qui consomme en moyenne plus de 6 mpg.

† Km(mi)/h, selon la première échéance.

Garantie standard

Article	Limites de garantie (selon la première échéance)		Frais de réparation (défrayés par le propriétaire)	
	Mois	Kilomètres/miles	Pièces	Main-d'œuvre
Moteur	0-24	Illimitée	Sans frais	Sans frais
Injecteurs	0-24	320 000 km 200 000 mi	Sans frais	Sans frais
Lors de l'expiration de la couverture de garantie de 24 mois, mais dans le cadre de 800 000 km / 500 000 mi d'utilisation, la garantie continue d'être en vigueur comme suit :				
Organes principaux	25-60	800 000 km 500 000 mi	Sans frais	Non couvert



EXIGEZ LA PERFORMANCE

PLUS DE COUPLE. MOINS D'EFFORTS.

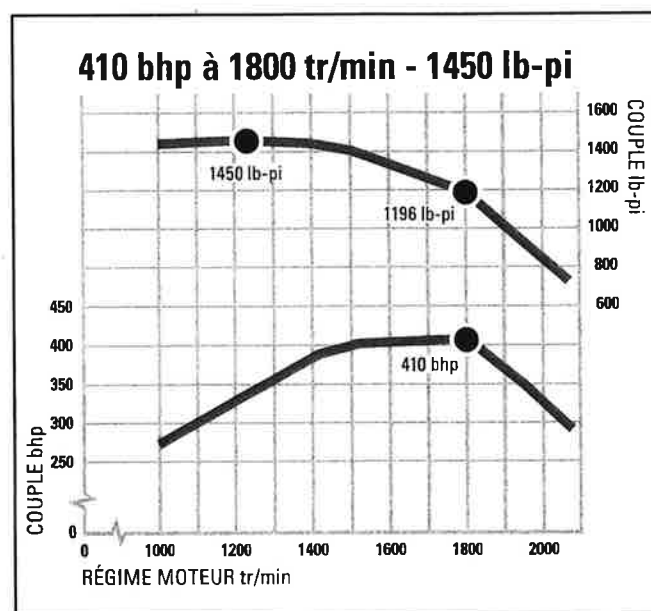
Exigez la performance. Exigez moins de changements de vitesse. Exigez un freinage silencieux. Et obtenez tout avec le DD13. Une courbe de couple extrêmement grande maintient le couple pour garder les pieds du conducteur loin de l'embrayage et ses mains sur le volant, afin de réduire les changements de vitesse et la fatigue.

Le DD13 élargit la plage de vitesse économique, qui correspond à la plage d'économie de carburant. Autrement dit, si vous roulez dans la circulation ou échappez aux zones de construction, le DD13 permet de bonnes économies de carburant. Un frein de moteur Jacobs[®] permet un couple de freinage plus souple et un freinage moteur plus silencieux que jamais. Et grâce au Jake Brake[®], chef de file de l'industrie dans le domaine du couple de freinage, la durée de vie utile des freins est également prolongée.

Durabilité. Fiabilité. Aucun compromis. La conception du moteur est basée sur un train d'engrenages arrière robuste et sur un bloc-cylindres en fonte cannelé qui permet de réduire le bruit, les vibrations et la rigidité. Conception robuste d'une durée de vie B50 de 1 609 344 km/1 000 000 mi. En outre, le turbocompresseur asymétrique avec limiteur de pression de suralimentation contient moins de pièces mobiles lorsque comparé à la conception VGT; il peut donc offrir une performance et une fiabilité améliorées.

Le turbocompresseur applique également une contre-pression constante pour activer efficacement le système RGE avec, pour résultat, un moteur fiable qui permet aux conducteurs d'arriver à leur destination avec moins d'efforts. Le DD13 offre également une option de prise de force arrière du moteur pour certaines applications. Et si cela ne suffit pas, DDEC 10 offre un programme complet de rapports de performance du moteur et du conducteur pour vous aider à tirer le maximum des avantages du DD13.

Couple et courbe de couple



Couple nominal

Couple nominale du moteur DD13	
370 HP à 1800 tr/min	1250 lb-pi à 1100 tr/min
350 HP à 1800 tr/min	1350 lb-pi à 1100 tr/min
380 HP à 1800 tr/min	1350 lb-pi à 1100 tr/min
380 HP à 1800 tr/min	1450 lb-pi à 1100 tr/min
410 HP à 1800 tr/min	1450 lb-pi à 1100 tr/min
410 HP à 1800 tr/min	1550 lb-pi à 1100 tr/min
435 HP à 1800 tr/min	1550 lb-pi à 1100 tr/min
450 HP à 1800 tr/min	1550 lb-pi à 1100 tr/min
410 HP à 1800 tr/min	1650 lb-pi à 1100 tr/min
450 HP à 1800 tr/min	1650 lb-pi à 1100 tr/min
470 HP à 1800 tr/min*	1650 lb-pi à 1100 tr/min

Couple nominal à couples multiples du moteur DD13	
380 HP à 1800 tr/min	1350/1550 lb-pi à 1100 tr/min
410 HP à 1800 tr/min	1450/1650 lb-pi à 1100 tr/min

* Caractéristiques nominales limitées à des applications particulières, consultez le représentant du revendeur pour obtenir plus de détails.

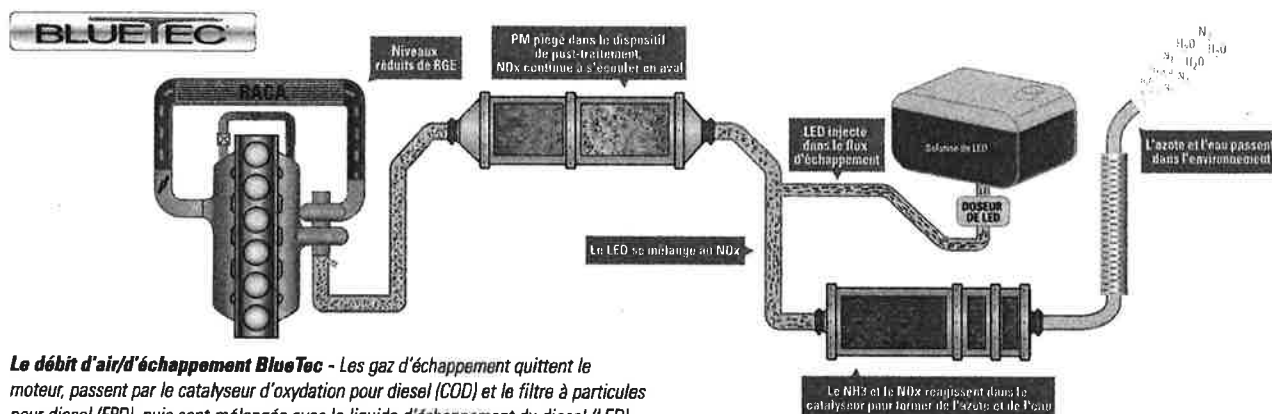
EXIGEZ BLUETEC®

DD13 : AVEC LA TECHNOLOGIE D'ÉMISSIONS BLUETEC.

Principe de la technologie d'émissions BlueTec

BlueTec est un système d'émissions complet qui combine la recirculation des gaz d'échappement (RGE), un filtre à particules pour diesel (FPD), un catalyseur d'oxydation pour diesel (COD) et une réduction sélective catalytique (RSC) pour se conformer aux normes d'émissions de l'EPA 2010. BlueTec traite les gaz d'échappement en aval du moteur plutôt que d'exiger

des modifications complexes sous le capot. Il réalise cette performance en injectant une petite quantité de liquide d'échappement diesel dans le flux de l'échappement, qui réagit avec les oxydes d'azote du catalyseur RSC pour former de l'azote et de l'eau. Enfin, l'azote et l'eau, des éléments non polluants de l'air que nous respirons, sont relâchés dans l'environnement.



Le débit d'air/d'échappement BlueTec - Les gaz d'échappement quittent le moteur, passent par le catalyseur d'oxydation pour diesel (COD) et le filtre à particules pour diesel (FPD), puis sont mélangés avec le liquide d'échappement du diesel (LED) avant de passer dans le catalyseur de réduction sélective catalytique (RSC). Ils quittent finalement le tuyau d'échappement sous la forme d'azote et d'eau.

Il est simple de conduire un camion équipé de BlueTec

Il faut garder à l'esprit une chose fondamentale lorsque l'on conduit un camion équipé de BlueTec : surveiller la jauge de liquide d'échappement du diesel (LED) pour savoir quand la remplir.

La jauge du LED est intégrée dans la jauge à carburant diesel.



La jauge indique le niveau de liquide d'échappement du diesel (LED) dans le réservoir et émet une série d'alertes lorsque celui-ci commence à se vider. Un conducteur qui ignore les avertissements de faible niveau de LED verra des déclassifications et des restrictions sur son véhicule, mais il ne sera jamais en détresse. Il suffit de surveiller la jauge. C'est tout simple!

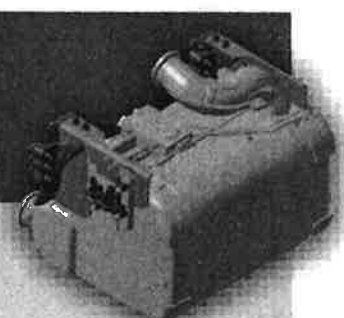
1-BOX™

Disponible seulement avec la technologie d'émissions BlueTec de Detroit Diesel

Groupe d'émissions 1-Box :

- Combine le catalyseur COD, FPD, RSC et le doseur de LED dans la même offre
- Réduit la contre-pression de l'échappement pour réduire la consommation de carburant
- Permet d'optimiser les solutions d'offre pour la configuration des camions

Les ingénieurs de Detroit Diesel et de Daimler ont développé plusieurs méthodes pour grouper ces nouveaux composants sur le camion.



OPTIONS DE REMPLISSAGE POUR LED

Le LED est stocké sur le camion dans son propre réservoir, situé à côté du réservoir de carburant, du côté conducteur. Un réservoir caractéristique peut contenir entre 22 et 87 l (6 à 23 gal) selon l'application du camion.

REMPLEISSAGE EN STATION



REMPLEISSAGE SUR LA ROUTE

- Relais-routiers
- Distributeurs de moteurs
- Concessionnaires de camions

MOTEUR DD13[®]

DE
350-470
chevaux-vapeur

DE
1250-1650
de couple lb-pi

CYLINDRÉE
12,8
litres

EXIGEZ DE L'ASSISTANCE. PARTOUT.

- Disponibilité sans égale pour les pièces
- Techniciens certifiés en usine
- Assistance technique en direct
- Plus de 800 centres de services autorisés en Amérique du Nord

Demandez de l'assistance à DetroitDiesel.com.

DETROIT DIESEL

DEMAND PERFORMANCE



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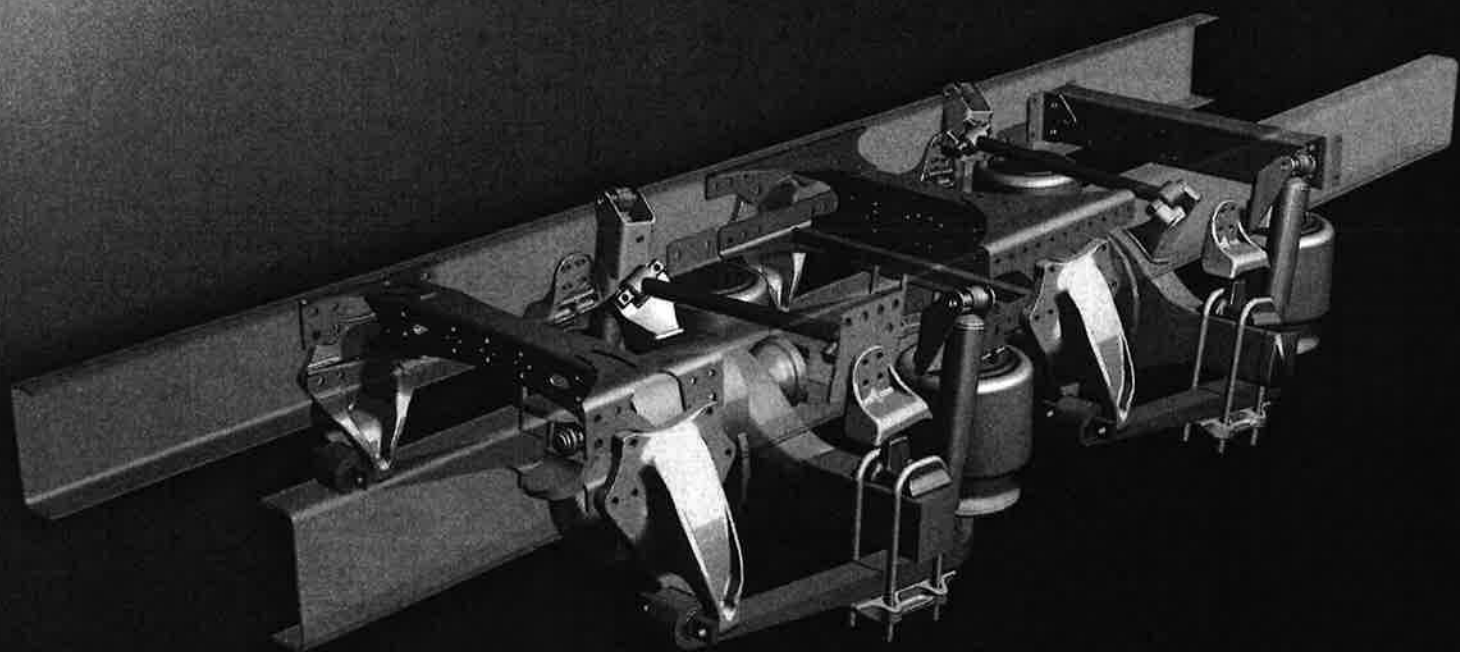
FREIGHTLINER

Run Smart

AIRLINER®

LIGHTWEIGHT – MORE PAYLOAD | QUIET, CUSHIONED RIDE | LOW MAINTENANCE

SUSPENSION



There's a reason Freightliner's AirLiner® rear suspensions shoulder the weight of more vehicles in North America than any other suspension. With the most advanced design on the road, our family of AirLiner suspensions keeps weights lower and payloads higher. Smart engineering means drivers, and their freight, get a quiet and cushioned ride, reducing driver fatigue and the possibility of damaged cargo. In addition, maintenance-friendly features ensure a long life and minimize maintenance costs year after year.

LIGHTWEIGHT – MORE PAYLOAD CAPACITY

- Advanced design reduces weight, allowing for greater revenue-earning payload
- Fewer total parts offer more simplicity and less weight
- Aluminum brackets used on all but the 23,000 and 46,000 pound models
- Composite or aluminum air bag pistons used on all models to reduce weight
- Lightweight standard-duty design rated at 40,000 pounds, higher than most competitors' standards at 38,000 pounds

RIDE AND HANDLING – OPTIMIZED FOR PERFORMANCE

- Optimized suspension geometry provides superior handling, excellent lateral control and enhanced roll stability
- Freight-cushioning ride, dynamically tuned to the vehicle, reduces damage to payloads
- Proven combination of trailing arm leaf springs and self-leveling air bags provides a uniformly soft spring ride
- Excellent ride either loaded or unloaded
- Designed to reduce sway when turning or negotiating curves
- Delivers greater comfort and handling when compared to other suspensions
- Underslung, parabolic leaf-spring trailing arms permit low fifth wheel heights for today's tallest trailers
- Premium rotary height-control valve provides for a constant spring rate for optimum cushioning performance and ride height

LOW MAINTENANCE – LOWER COST OF OWNERSHIP

- Substantially fewer parts than competing systems provide reduced maintenance and greater reliability
- Double-bonded rubber bushings on moving joints require no lubrication, reducing maintenance costs and ensuring metal parts don't rub together, increasing product life
- No wear surface points to lubricate or replace

ECONOMICAL – LOW COST, HIGH RESALE

- Attractively priced
- Resale price comparisons show trucks with air ride suspensions command higher resale value

FULL SELECTION – ALMOST ANY APPLICATION

- Full selection of single and tandem drive suspensions tuned for almost any application
- For larger payloads, a 46,000 pound AirLiner Heavy-Duty version is available with a C-channel crossbeam stabilizer

AirLiner Single Drive Suspensions			
Model	10,000, 12,000, 15,000 & 18,000 lb.	21,000 lb.	23,000 lb.
Duty Class	Standard Duty	Standard Duty	Heavy Duty
Application	Truck or Tractor	Tractor	Truck or Tractor
Main Brackets	Aluminum	Aluminum	Iron
Main Spring Arm	Single-Leaf	2-Leaf	Heavy Duty 2-Leaf
Spring Bushing	Standard Duty	Standard Duty	Heavy Duty
Axle Seat Attachment	Clamped to Axle	Clamped to Axle	Clamped with Restraint
Crossbeam Stabilizer	No	No	Yes
Track Rods	Standard Duty	Standard Duty	Heavy Duty
Air-Spring Pistons	Composite	Composite	Aluminum

AirLiner Tandem Drive Suspensions			
Model	40,000 lb.	40,000 lb. Extra Duty	46,000 lb.
Duty Class	Standard Duty	Heavy Duty	Heavy Duty
Application	Truck or Tractor	Truck or Tractor	Truck or Tractor
Main Brackets	Aluminum	Aluminum	Iron
Main Spring Arm	1-Leaf	2-Leaf	Heavy Duty 2-Leaf
Spring Bushing	Standard Duty	Heavy Duty	Heavy Duty
Axle Seat Attachment	Clamped to Axle	Clamped with Restraint	Clamped with Restraint
Frame Crossmember	Extruded Aluminum	Formed Steel	Formed Steel
Crossbeam Stabilizer	No	No	Yes
Track Rods	Standard Duty	Standard Duty	Heavy Duty
Air-Spring Pistons	Composite	Composite	Aluminum
Ride Height	Low, Mid, or Standard	Standard	Standard

Consult these charts and contact your Freightliner Trucks dealer to optimize the AirLiner for your application!



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