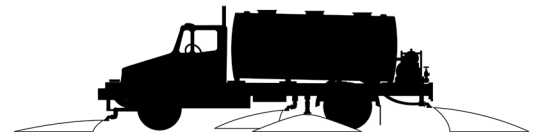
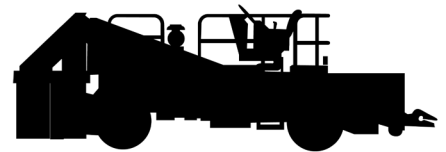




MANUAL LIST

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Asphalt Distributors

Model BT

Serial Numbers	Parts	Operation
Thru J3965	M-101-69R	M-102-92*
J3966 thru C1007	M-101-80R2 & <i>M-101-20-90 Suplmt</i>	M-102-92*
C1008 and after	M-101-92 (includes BT/SAM parts)	M-102-92* *Replaces M-102-73R

Model BT/SAM

Serial Numbers	Parts	Operation
All Model BT with SAM Type Spray Bar.....	M-101-92	M-102-92*

Model SAM

Serial Numbers	Parts	Operation
All Models.....	M-111-87R & <i>M-111-2-91 Supplement</i>	M-111-87R

DC-5000

Serial Numbers	Parts	Operation
All models with DC-5000 Application Rate		
Control Computer (BT, BT/SAM or SAM).....	M-104-91	M-104-91

Series 2000

Serial Numbers	Parts	Operation
All Models.....	M-101-98R* & <i>101-23-97 Supplement</i>	M-102-95R*
	*Supercedes M-101-93, M-101-94 & <i>M-101-23-95 Supplement</i>	*Supercedes M-102-95 & M-102-93

Shooter Distributors

Serial Numbers	Parts	Operation
All Shooters.....	M-421-03*(Updated April 17, 2019).....	M-423-99R1*
	*Supercedes M-421-99	*Supercedes M-423-99R
All Shooters II.....	M-421-06(Updated Dec.6,2013).....	M-423-05R*
		*Supercedes M-423-05 M-423-09 w/ BT1 Control
Shooter Updates & Service Manual.....	M-132-04R1	
Electrical & Hydraulic Schematics.....	M-134-07	

Black Topper® Centennial Series

Serial Numbers	Parts	Operation
Thru S3254, S3256-3268, 3270-72, 3274-75 3277-78, 3280-91, 3294, 3297-99, 3201, 3205 3207, 3216, 3224.....	M-101-99	
Basic Controls.....		M-102-99
Computerized Controls.....		M-103-00*
		*Supercedes M-103-99R
Serial Numbers	Parts	Operation
S3255, 3269, 3273, 3276, 3279, 3292, 3293, 3295, 3296, 3300, 3302-04, 3306, 3308-15, 3317-23, 3325 and up.....	M-101-99 & <i>M-101-26-02R Supplement</i>	M-103-02R1

Asphalt Distributors

Black Topper® Centennial Series (con't)

Standard Spray Bar

Serial Numbers	Parts	Operation
S3143 and up - S2X Control.....	M-101-06R*(Updated February 19, 2020)..... *Supercedes M-101-03R5 & M-101-06	M-103-02R1* *Supercedes M-103-02R
S3400 thru S3985 - with Basic Control.....	M-101-06R* (Updated February 19, 2020)..... *Supercedes M-101-03R5 & M-101-06	M-102-03
S3986 thru S5383 - BT1 Control <i>Up to but excluding software version 3.9.4</i>	M-101-09*(Updated February 19, 2020)..... *Supercedes M-101-08	M-103-08R*
S3986 thru S5383 - BT1 Control <i>software version 3.9.4</i>	M-101-09*(Updated February 19, 2020)..... *Supercedes M-101-08	M-103-10 *Supercedes M-103-08
S5316 thru S5612 - BT1 Control <i>software version 4.4</i>	M-101-13*(updated February 19, 2020)..... *Supercedes M-101-12 & M-101-12R	M-103-11R
S5384 and up <i>software version 3.9.4</i>	M-101-13*(updated February 19, 2020)..... *Supercedes M-101-12 & M-101-12R	M-103-11
S5316 thru S6913 - BT1 Control <i>software version 4.5 and up</i>	M-101-13*(updated February 19, 2020)..... *Supercedes M-101-12 & M-101-12R	M-103-12R1*(updated June 23, 2014) *Supercedes M-103-12R
S6914 and Up - BT1 Control w/ Keypad <i>software version 4.5 and up</i>	M-101-19*(updated February 19, 2020)..... *Supercedes M-101-17	M-103-17(Updated July 6, 2018)

Variable Width Spray Bar

Serial Numbers	Parts	Operation
S3266 thru S3688 - w/ BTS (HED) Control.....	M-101-06R & <i>M-101-27-03 supplement</i> (Update February 19, 2020) (Update July 25 ,2014)	M-114-04
S3689 thru S4422 - w/ BTS (HED) Control.....	M-101-06R & <i>M-101-28-05 supplement</i> (Update February 19, 2020) (Update July 25 ,2014)	M-114-07R* *Supercedes M-114-07
S4423 and up - w/ BTS (HED) Control.....	M-101-06R & <i>M-101-28-07 supplement</i> (Update February 19, 2020) (Update July 28 ,2014)	M-114-07R* *Supercedes M-114-07
S3985 thru S5315 - BT1 Control.....	M-101-09*(Updated February 19, 2020)..... *Supercedes M-101-08	M-114-08
S3985 thru S5315 - BT1 Control <i>software version 3.9.4</i>	M-101-09*(Updated February 19,2020).....	M-114-10
S5316 thru S5611 - BT1 Control <i>software version 3.9.4</i>	*Supercedes M-101-08 M-101-13*(updated February 19, 2020)..... *Supercedes M-101-12 & M-101-12R	M-114-11
S5316 thru S5611 BT1 Controls <i>software version 4.4</i>	M-101-13*(updated February 19, 2020).....	M-114-11R
S5612 & up - BT1 Controls <i>software version 4.5 and up</i>	*Supercedes M-101-12 & M-101-12R M-101-13*(updated February 19, 2020)..... *Supercedes M-101-12 & M-101-12R	M-114-12R1*(Updated June 18, 2014) *Supercedes M-114-12 and M-114-12R
S6914 and Up - BT1 Control w/ Keypad <i>software version 4.5 and up</i>	M-101-19*(updated February 19, 2020..)..... *Supercedes M-101-17	M-114-12R1*(Updated June 18, 2014) *Supercedes M-114-12 and M-114-12R

ChipSpreaders

MECHANICAL DRIVE

Serial Numbers	Parts	Operation
162 thru K3813	M-201-73	M-202-71
K3814 thru K4217	M-201-76	M-202-77
K4218 thru K4678	M-201-79.....	M-202-78R
K4679 and after.....	M-201-84 & <i>M-201-13-86 Supplement</i>	M-202-78R
Individual Hopper Gate Control.....	<i>M-201-12-84 Supplement</i>	

2 Wheel Drive Hydrostatic Drive Units - Manual Controls

Serial Numbers	Parts	Operation
All.....	M-208-94R.....	M-212-93

HYDROSTATIC DRIVE - Fixed Spread Hopper

Prior to 1999

Serial Numbers	Parts	Operation
Thru K5125.....	M-208-87R.....	M-209-88
K5126 thru K5253 (2WD) and K5126 thru K5262 (4WD).....	M-208-87R & <i>M-208-2-93R1 Suplmt</i>	M-209-91 & <i>M-209-1-92 Supplement</i>
K5254 thru K5426 (2WD)		
K5263 thru K5426 (4WD) non computerized.....	M-208-94R.....	M-209-93
Computer Controlled Models.....	M-208-94R.....	M-213-94
K5427-5535, K5537-5572, K5577-5648 Computer Controlled Models.....	M-208-94R.....	M-213-94 & <i>M-213-1-95 Supplement</i>

1999-2000 Models

Serial Numbers	Parts	Operation
K5576, K5652, K5660-5687, K5792.....	M-208-99 (Update August 23, 2018) & <i>M-208-5-00R Supplement *</i>	M-213-99R* *Supercedes M-213-99
	<i>*Supercedes M-208-5-00 Supplement</i>	

2001 & Newer Models

Serial Numbers	Parts	Operation
K5791, K5793-5982.....	M-208-99(Update August 23, 2018) & <i>M-208-5-00R Supplement *</i>	M-213-02R
K5983 thru K5994.....	M-208-04R1* (Update August 24, 2018) *Supercedes M-208-04R	M-213-02R
K5995 thru K6211.....	M-208-04R1* (Update August 24, 2018).....	M-213-04
K6212 thru K6746.....	M-208-04R1* (Update August 24, 2018) & <i>M-208-6-06 Suplmt</i> (Update August 24,2018).....	M-213-06
K6747 thru K6832 - RC36 Controller.....	M-208-12R* (Update August 24,2018)..... *Supercedes M-208-12	M-213-12 (Update August 7, 2018)
K6833, K6839 thru K6981 - RC36 Controller....	M-208-13 (Update August 27, 2018).....	M-213-12 (Update August 7, 2018)
K6780, K6878, K6883 and up - Cummins Tier IV Engine.....	M-208-13 (Update August 27,2018).....	M-213-12 (Update August 7, 2018) & <i>M-215-2-14 Supplement</i>
K6982 thru K7173, K7175 thru K7186, K7188 thru K7225 - RC36 Controller.....	M-208-16 (Update August 27, 2018).....	M-213-16 (Update August 7, 2018)
K7174, K7187, K7226 & Up - RC28 Controller...M-208-18.....		M-213-16 (Update August 7, 2018)

ChipSpreaders

HYDROSTATIC DRIVE - Variable Width Spread Hopper

Prior to 1999

Serial Numbers	Parts	Operation
Thru K5240.....	M-208-87R & <i>M-208-1-93 Supplement</i>	M-210-91 & <i>M-210-1-92 Supplement</i>
K5241 thru K5426 non computerized.....	M-211-94R (Update August 11, 2015).....	M-210-93
Computer Controlled Models.....	M-211-94R (Update August 11, 2015).....	M-215-94
K5427-5535, K5537-5572, K5577-5648 Computer Controlled Models.....	M-211-94R (Update August 11, 2015).....	M-215-94 & <i>M-215-1-95 Supplement</i>

1999-2000 Models

Serial Numbers	Parts	Operation
K5536, K5573-75, K5649-92, K5695-5722, K5726-66, K5770-80, K5784-86, K5788, K5808.....	M-211-99 (Update August 23, 2018) & <i>M-208-5-00R Supplement *</i> <i>*Supercedes M-208-5-00 Supplement</i>	M-215-99R* <i>*Supercedes M-215-99</i>

2001 & Newer Models

Serial Numbers	Parts	Operation
K5694, K5723, K5768, K5781-82, K5789-5813, K5815-25, K5827-30, K5832-80.....	M-211-99(Update August 23, 2018) & <i>M-208-5-00R Supplement *</i> <i>*Supercedes M-208-5-00 Supplement</i>	M-215-02R
K5814, K5826, K5862, K5881-5945, K5947-81, K5983-85, K5987-6001.....	M-211-02R2* (Update April 13, 2015) <i>*Supercedes M-211-02R1</i>	M-215-02R
K5946, K5982, K5986, K6002-6161, K6163-98, K6200-11	M-211-02R2* (Update August 23, 2018)..... <i>*Supercedes M-211-02R1</i>	M-215-04
K6162, K6199, K6212-6749.....	M-211-02R2* (Update August 23, 2018) & <i>*Supercedes M-211-02R1</i> <i>M-211-1-06 Supplement</i> (Update August 17, 2018).....	M-215-06
K6750 thru K6974 - RC36 Controller.....	M-211-12R1* (Update August 17, 2018)..... <i>*Supercedes M-211-12R</i>	M-215-12R*(Update 8 / 7 / 18) <i>*Supercedes M-215-12</i>
K6780, K6878, K6883 and up - Cummins Tier IV Engine.....	M-211-12R1* (Update August 17, 2018)..... <i>*Supercedes M-211-12R</i>	M-215-12R*(Update 8 / 7 / 18) & <i>M-215-2-14 Supplement</i>
K6975-K7084, K7086-K7156, K7159-K7161, K7163-K7169, K7171-K7225- RC36 Controller.....	M-211-16 (Update March 27, 2019).....	M-215-16 (Update 8 / 7 / 18)
K7085, K7157, K7158, K7162, K7170, K7226 & Up	M-211-18 (March 28, 2019).....	M-215-16 (Update 8 / 7 / 18)

ChipSpreaders

BIG ChipSpreader

Serial Numbers	Parts	Operation
K6443 thru K6711.....	M-221-11 (Update July 20, 2017).....	M-220-11 (Update 8 / 7 / 18)
K6712 thru K6820 - RC36 Controller.....	M-221-12 (Update April 3, 2018).....	M-220-11
K6821 and up - RC36 Controller.....	M-221-14 (Update April 3, 2018).....	M-220-11
CHIPSPREADER SERVICE.....	7050996	
KESSLER AXLE		

Maintenance Distributor

Serial Numbers	Parts	Operation
Thru M2110	M-403-66R2	M-403-66R2
M2111 thru M4160 (excluding M4148 & M4149)	M-403-92.....	M-403-92
M4148, M4149, M4161 Thru M4499.....	M-403-95	M-403-95
Trailer Mounted M4500 & Up.....	M-401-03*(updated April 17, 2019)	M-402-99R3*
	*Supercedes M-401-00R	*Supercedes M-402-99R2
Truck Mounted M-4500 & Up.....	M-401-03* (updated April 17, 2019)	M-412-00R3*
	*Supercedes M-401-00R	*Supercedes M-412-00R2, M-412-00R1 & M-422-99,
Units with Handspray Only (no spraybar).....	M-401-03* (updated April 17, 2019)	M-403-99R3*(Update Nov.12, 2015)
	*Supercedes M-401-00R	*Supercedes M-403-99R2, Operation Manual for Handspray Only units
Starting with S/N M5193..... (Air controlled Valves)	M-401-AIR-16 (Updated October 5, 2016).....	M-402-AIR-16 (Updated April 28, 2017)
Starting with S/N M5200..... (Hydraulic Controls)	M-401-HYD-16 (Updated October 4, 2016).....	M-402-HYD-16 (Updated April 28, 2017)
Starting with S/N M5218..... (Skid mounted units w/ Air Operated control)	M-401-SKD-16.....	M-402-AIR-16

Street Flusher

Hydraulic Driven Water Pump

Serial Numbers	Parts	Operation
Thru L1482, L1484 Thru L1510, L1512 Thru L1515.....	M-802-67.....	M-802-67
L1483, L1511, L1516 Thru L1649, L1651 Thru L1662.....	M-802-77 & M-802-4-99 Supplement.....	M-802-77
L1650, L1663 Thru L2269.....	M-802-92* & M-802-4-99 Supplement..... <small>*Supercedes M-802-78</small>	M-802-92
L2270 Thru L2608.....	M-802-97 & M-802-4-99 Supplement.....	M-802-97
L2609 and Up.....	M-802-16.....	M-802-16

Engine Driven Water Pump

Serial Numbers	Parts	Operation
All Units.....	M-801-91R* & M-802-4-99 Supplement..... <small>*Supercedes M-801-91</small>	M-801-91R

Pressure Sprinkler

Serial Numbers	Parts	Operation
All Units.....	M-901-98..... <small>*Supercedes M-901-89R</small>	M-901-98

Anti-Icer Liquid Applicator

Serial Numbers	Parts	Operation
All Units.....	M-551-96	M-552-94

Brinemaker

Serial Numbers	Parts	Operation
All Units.....	M-561-00.....	M-561-00

Bituminous Pump

Serial Numbers	Parts	Operation
Up to P3533.....	M-601-71.....	M-601-71
P3534 and Up.....	M-601-18..(Updated November 7, 2019)	M-601-18

Curb Paver

Serial Numbers	Parts	Operation
All Units.....	M-701-67.....	M-701-67

Asphalt Storage Tanks

Serial Numbers	Parts	Operation
Emulsion Tank - Vertical.....	M-501-93.....	M-501-93
Emulsion Tank - Vertical, thru S/N A1181.....	M-501-17(update 9-6-2018).....	M-501-17
Emulsion Tank - Vertical, Starting w/ A1182.....	M-501-18.....	M-501-18
Asphalt Tank - Vertical.....	M-501-T2-98R1.....	M-501-T2-98R1
Asphalt Tank - Horizontal.....	M-501-T1099Hz-99.....	M501-T1099Hz-99
	M-501-A1125-03R.....	M501-A1125-03R

Bituminous Transport

Asphalt Transports

Serial Numbers	Parts	Operation
All Units built thru March 2001	M-301-91 &	M-301-91
	<i>M-301-6-98* ABS Antilock Brakes Suplmnt.</i>	M-301-6-98
	<i>*Supercedes M-301-3-91 Supplement</i>	
	<i>M-301-5-97* Pump Off Valves, Manhole, Fill</i>	
	<i>Cover, Lights Supplement.....</i>	M-301-5-97
	<i>*Supercedes M-301-4-91 Supplement</i>	
All Units built after March 2001	M-301-02R (Updated May 23, 2016)	M-302-02R
All Units built after March 1, 2013	M-301-02R (Updated May 23, 2016).....	M-302-13R <i>*Supercedes M-302-13</i>

Heating Bitumen in Asphalt Transports

Serial Numbers	Parts	Operation
All Units built after March 1, 2013		M-304-13

Relay Tanks

Serial Numbers	Parts	Operation
All Units Thru T4900.....	M-372-79.....	M-372-79
T4901 - T5773.....	M-372-03R.....	M-372-03R
T5774 - T7474.....	M-372-07.....	M-372-07
T7475 & Up.....	M-372-13.....	M-372-13

Crude Oil Transport

Serial Numbers	Parts	Operation
All Units.....	M-314-12.....	M-313-12

Live Bottom Trailers

Serial Numbers	Parts	Operation
V1001 thru V1627.....	M-751-02R7.....	M-752-02R1(Update May 24,2016)
V1638 thru 1643.....	M-751-12(Updated January 7; 2020).....	M-752-02R1(Update May 24,2016)
V1644 thru V2105, V2122 thru V2201.....	M-751-14(Updated January 8, 2020).....	M-752-02R1(Update May 24,2016)
V2106 thru V2121.....	M-751-2106-16.....	M-752-02R1(Update May 24,2016)
V2202 and Up.....	M-751-18 (Updated November 7, 2019).....	M-752-02R1(Update May 24,2016)
Chain Adjustment Procedure.....		<i>M-752-1-13*</i> <i>*Supplement to</i> <i>M-752-02R1</i>

Trailer

Models	Parts	Operation
Serial Numbers		
ARD 10S Flip-up Removable Dolly Thru Q27422.....	599775-90	599252
ARD 10S Flip-up Removable Dolly Q27423 and up.....	ARD 10S-01.....	599252
C Series Fixed Gooseneck.....	599739-91.....	599252
CHF Hydraulic Folding Gooseneck (Single Center Link).....	599837-90.....	599252
CRG, RGH, RGN CRGN Removable Gooseneck.....	599768-90.....	599252
F, RF, CRF Mechanical Folding Gooseneck (winch operated).....	599756-91.....	599252
RHF Folding Gooseneck.....	599766.....	599252
HD, GHD Series Ramp Style Helper Dollies.....	599767-90.....	599252
HF, HFR Hydraulic Folding Gooseneck.....	599838-90.....	599252
HP, GHP, CHP, CHS Tilt Bed Trailers (prior to 1996).....	599741-91	
CFP, CHP, GHP Tag-along and Tilt Bed (1996 and after).....	M-CFP-96R.....	M-CFP-96R
R Series Fixed Gooseneck.....	599740-90 & M-RTL-1-98.....	599252
RPS Series Fixed Gooseneck Paver Special.....	M-RPS-04*	M-RPS-04
	<small>*Supersedes MP-RPS-00</small>	
RTB Series Removable Gooseneck.....	MP-RTB-95.....	MO-RTB-93
MRG Series Mechanical Removable Gooseneck.....	MP-MRG-95.....	MO-MRG-95
WBH Series Trailer - Wind Blade Hauler 3 Section.....	M-WBH-09.....	M-WBH-09
WBH Series Trailer - Wind Blade Hauler 4 Section.....	M-WBH4-10.....	M-WBH4-10
SR Series Trailer - Super Ramp Trailers..... S/N Q31772	MP-SR-Q31772-15.....	
NAVY TRAILER S/N's Q31823 thru Q31834.....	MP-R30TD-15.....	

See Next page for Additional Trailer Manuals

RTN & Blackhawk

Serial Numbers	Parts	Operation
RTN Series Removable Gooseneck (Includes "Blackhawk") up to Q27422.....	MP-RTN-95R.....	MO-RTN-95R
RTN Series Removable Gooseneck (Includes "Blackhawk") Q27423 to Q28319.....	MP-RTN-01 & <i>MP-RTN-1-02 Supplement</i>	MO-RTN-05* *Supercedes MO-RTN-02
RTN Series Removable Gooseneck (Includes "Blackhawk" & "Limited") Q28320 thru Q31799.....	MP-RTN-03R1.....	MO-RTN-05* *Supercedes MO-RTN-02
RTN Series Detachable Gooseneck Q31800 & Up..... <small>(Updated October 23, 2018)</small>	MP-RTN-17.....	MO-RTN-05* *Supercedes MO-RTN-02