

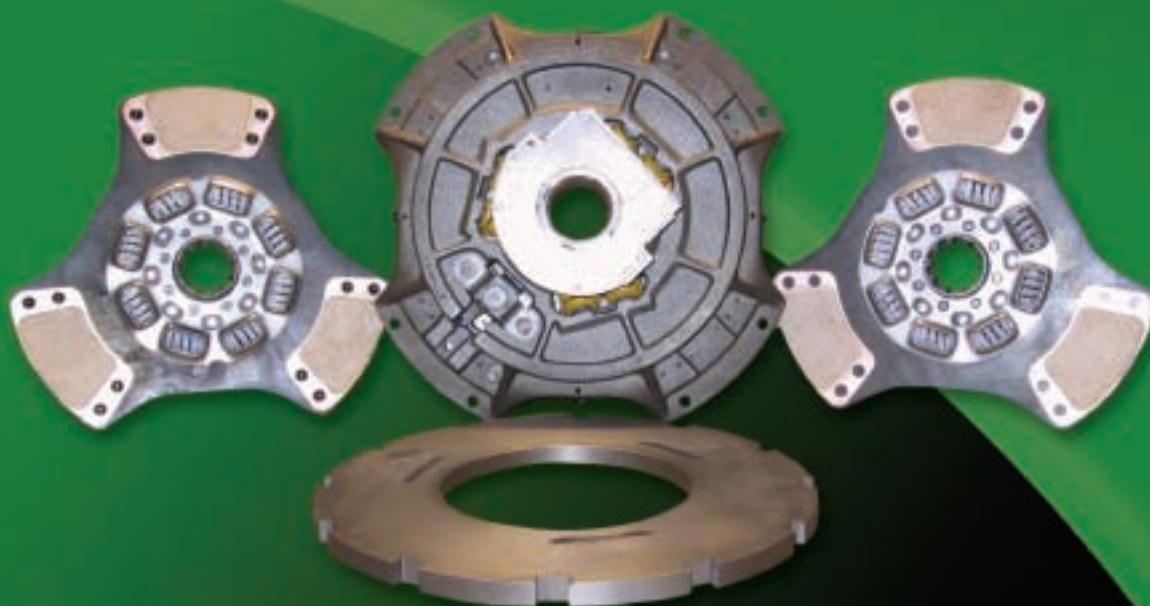


WORLD AMERICAN

TM

Heavy Duty Clutch Catalog

- **OE Quality Replacement Parts**
- **Backed by Warranty**
- **Three Distribution Locations Means Quick Delivery**



MIDWEST™

TRUCK & AUTO PARTS INC.

MotiveGear
Performance®
Performance Division

WORLD AMERICAN
Heavy Duty Division

MotiveGear
Light Duty Division

Quality Assurance



Quality of product

is the most important ingredient in sustaining a successful business. At Midwest Truck & Auto Parts Inc, we take quality control very seriously. Our highly qualified quality control technicians are always up-to-date on the latest innovations to insure that the quality of our product is unsurpassed. We back all of our products with a 6 month, 50,000 mile no-nonsense warranty.* Your business is our livelihood, and we take your business seriously.

The highest standards

are applied in the production of our products. From machining and finishing to heat treatment, we demand the best.

- Valve testing/air brake components are critically examined.
- Differential components tested for acceptable tolerances, fitment and strength.
- Thorough tolerance and accuracy inspection of transmission and transfer case components, rebuild kits, and bearing kits.

** Does not include products used in competition applications.*

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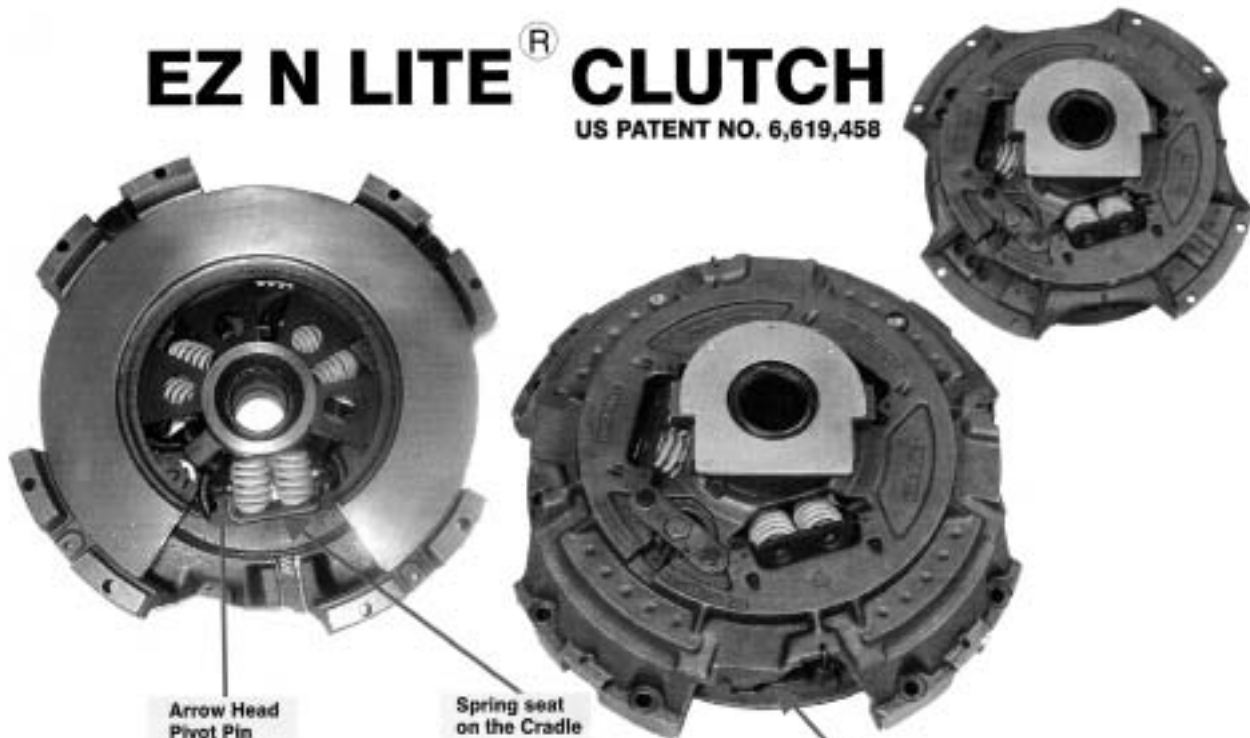
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EZ N LITE® CLUTCH

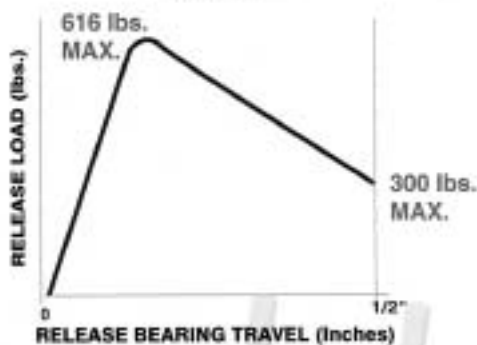
US PATENT NO. 6,619,458



Arrow Head Pivot Pin

Spring seat on the Cradle

Large Windows - Increased Heat Dissipation



RELEASE LOAD DIAGRAM

- **PEDAL EFFORT** - 30 lbs for 4000 lbs plate load (based on 10: 1 Linkage Ratio & Efficiency)
- **All Parts except Cover & Retainer common with existing design (Easily Serviceable)**
- **Wear Adjustment Indicator (optional)**
- **Single person Adjustment Tool (optional)**
- **Option of square Threaded Adjusting Ring**

Arrow Head Pivot Pin mounted in the Cover

Cradle pivots on Arrow Head Pivot Pin

Standard Springs - 3200, 3600, 4000 & 4200 lbs range.

Cradle pivots on Arrow Head Pivot Pin

Spherical Spring Seats - Roll over spherical head Pins

SWIVELLING MECHANISM:

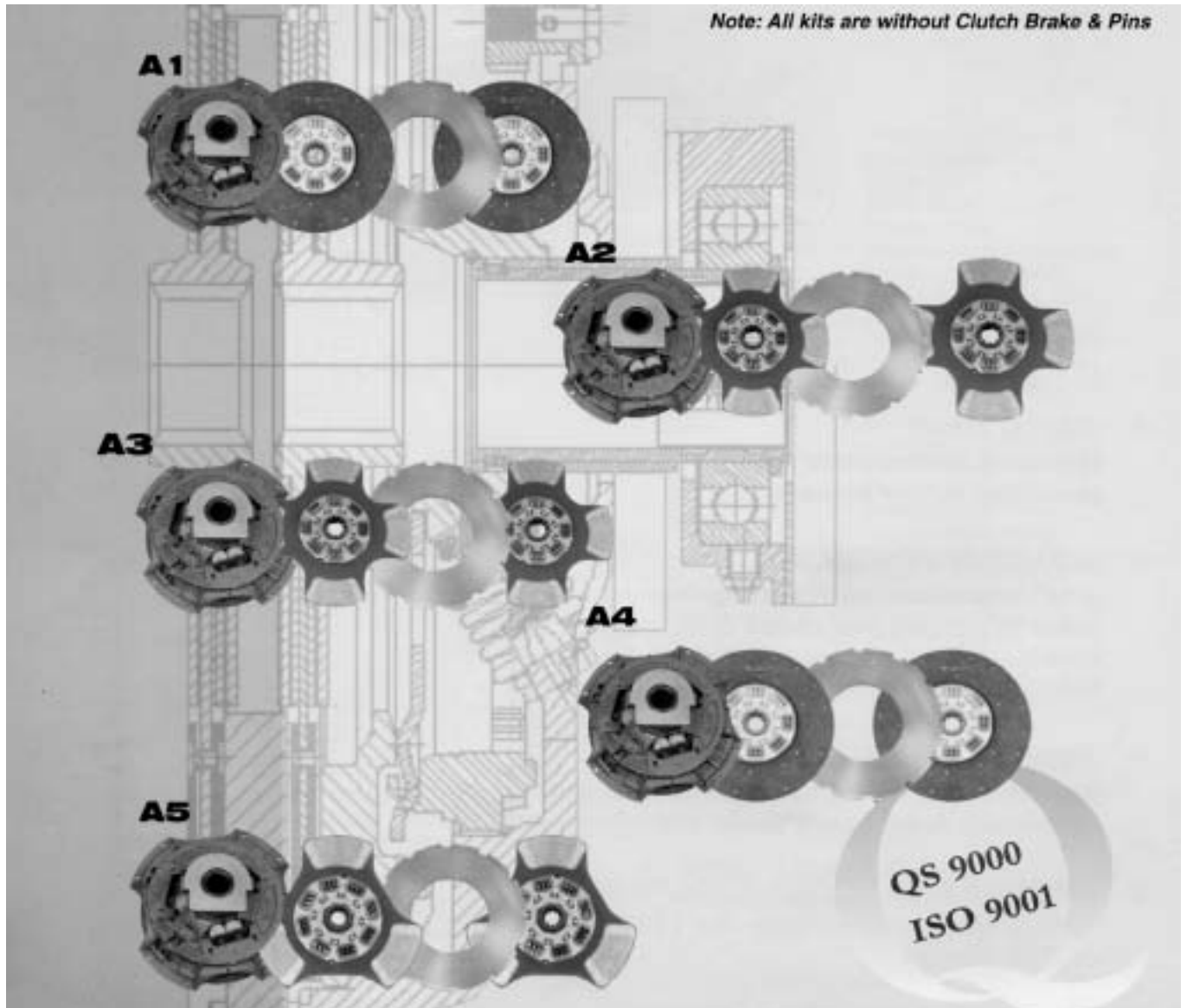
Helps obtaining the desired Pivot Point at a predetermined distance, away from the spring seat on the swivelling end. Possibility of achieving the pivot point at such desired point away from the spring seat results in an increase in the shift in the angular position of the spring, consequently the release load is decreased and the pedal pressure is lowered.

EZ 'n LITE® CLUTCH KITS - 14"

EZ 'n LITE®

14"

WA NO.	REF. NO.	PART NO.	REPLACING OEM NO.	LOAD (LB)	DISC TYPE	FACING NO.	SPRING QTY.	TORQUE RATING (ft.lb.)	COVER ASSY
14" X 1-3/4" X 10									
WA108035-82B	A1	8035-82B	108035-82B	3600	CF-D	--	8	1150	A353CCSCO3P#
WA108063-59A	A2	8063-59A	108063-59A	3600	CF-D	4	8	1250	A353CCSCO3P#
14" X 2" X 10									
WA108050-59B	A3	8050-59B	108050-59B	3200	CF-D(CO)(FREE T)(SPO)	4	8	1400	A353CCSCO1P#
WA108034-82B	A4	8034-82B	108034-82B	3600	OF-D(CO)(FREE T)	--	8	1150	A353CCSCO2P#
WA108034-61B	A5	8034-61B	108034-61B	3200	CF-D(CO)(FREE T)(SPD)	3	8	1000	A353CCSCO1P#

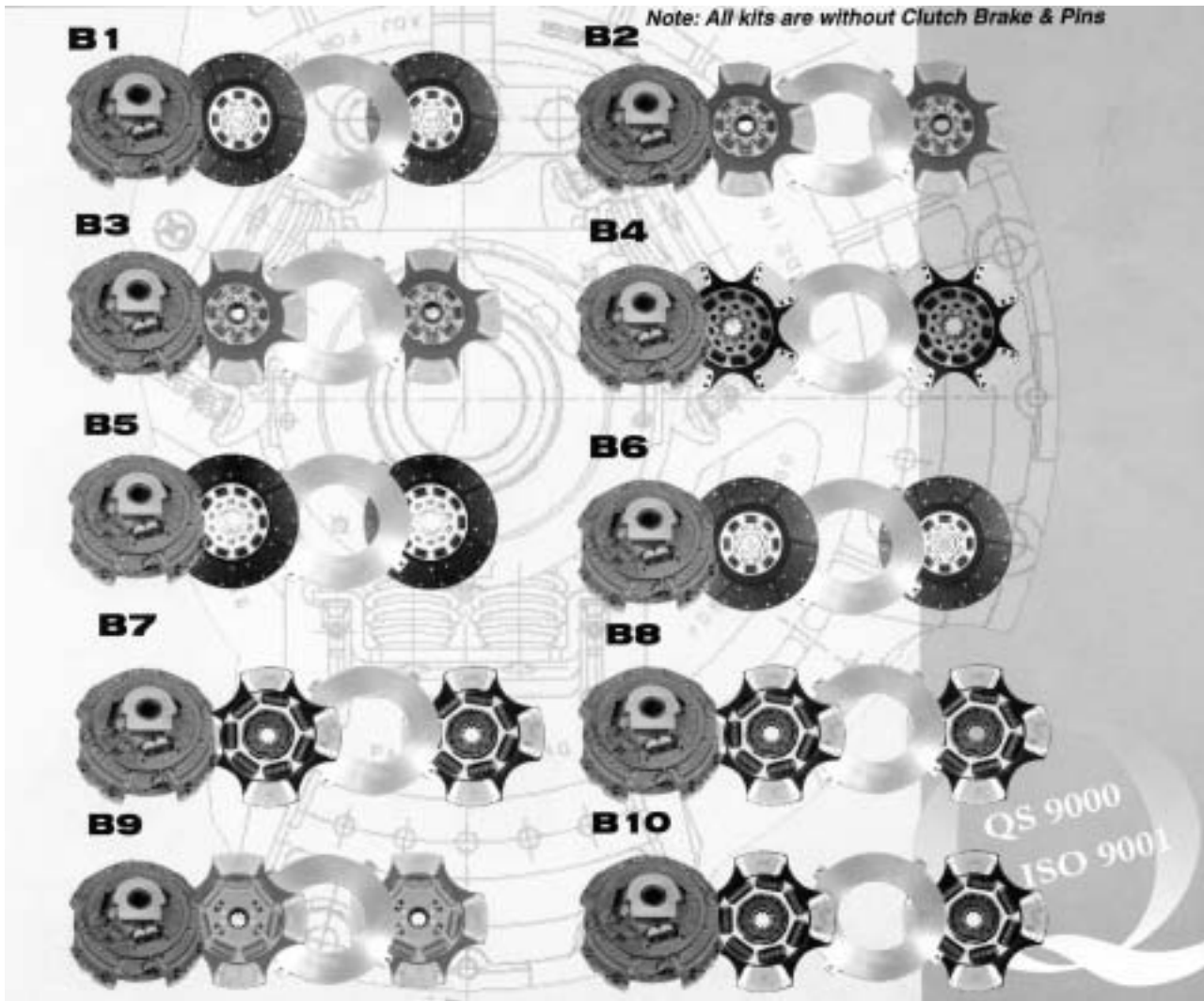


EZ 'n LITE® CLUTCH KITS - 15-1/2"

EZ 'n LITE®

15-1/2"

WA NO.	REF. NO.	PART NO.	REPLACING OEM NO.	LOAD (LB)	DISC TYPE	FACING NO.	SPRING QTY.	TORQUE RATING (ft.lb.)	COVER ASSY
15-1/2" X 1-3/4" X 10									
WA108390-77	B1	8390-77	108390-77	3000	OF-D(CO)(FREE T)	--	8	1250	A383CCSC03P#
WA108390-80	B2	8390-80	108390-80	3600	CF-D(CO)(FREE T)	4	8	1400	A383CCSC03P#
15-1/2" X 2" X 10									
WA108391-81B	B3	8391-81B	108391-81B	3600	CF-D(CO)(FREE T)	4	8	1400	A383CCSC02P#
WA108391-74B	B4	8391-74B	108391-74B	3600	CF-D(CO)(FREE T)	4	10	1650	A383CCSC02P#
WA108391-78B	B5	8391-78B	108391-78B	4000	OF-D(CO)(FREE T)	--	10	1450	A383CCSC01P#
WA108391-82B	B6	8391-82B	108391-82B	4000	OF-D(CO)(FREE T)	--	8	1400	A383CCSC01P#
WA108925-10	B7	8925-10	108925-10	4000	CF-D-PDHT	4	7	1860	A383CCSC01P#
WA108925-15	B8	8925-15	108925-15	4000	CF-D-PDHT	4	7	2050	A383CCSC01P#
WA108925-82B	B9	8925-82B	108925-82B	3600	CF-D	4	7	1700	A383CCSC02P#
WA108935-61		8935-61	108935-51	3600	CF-D(CO)(FREE T)	4	9	1650	

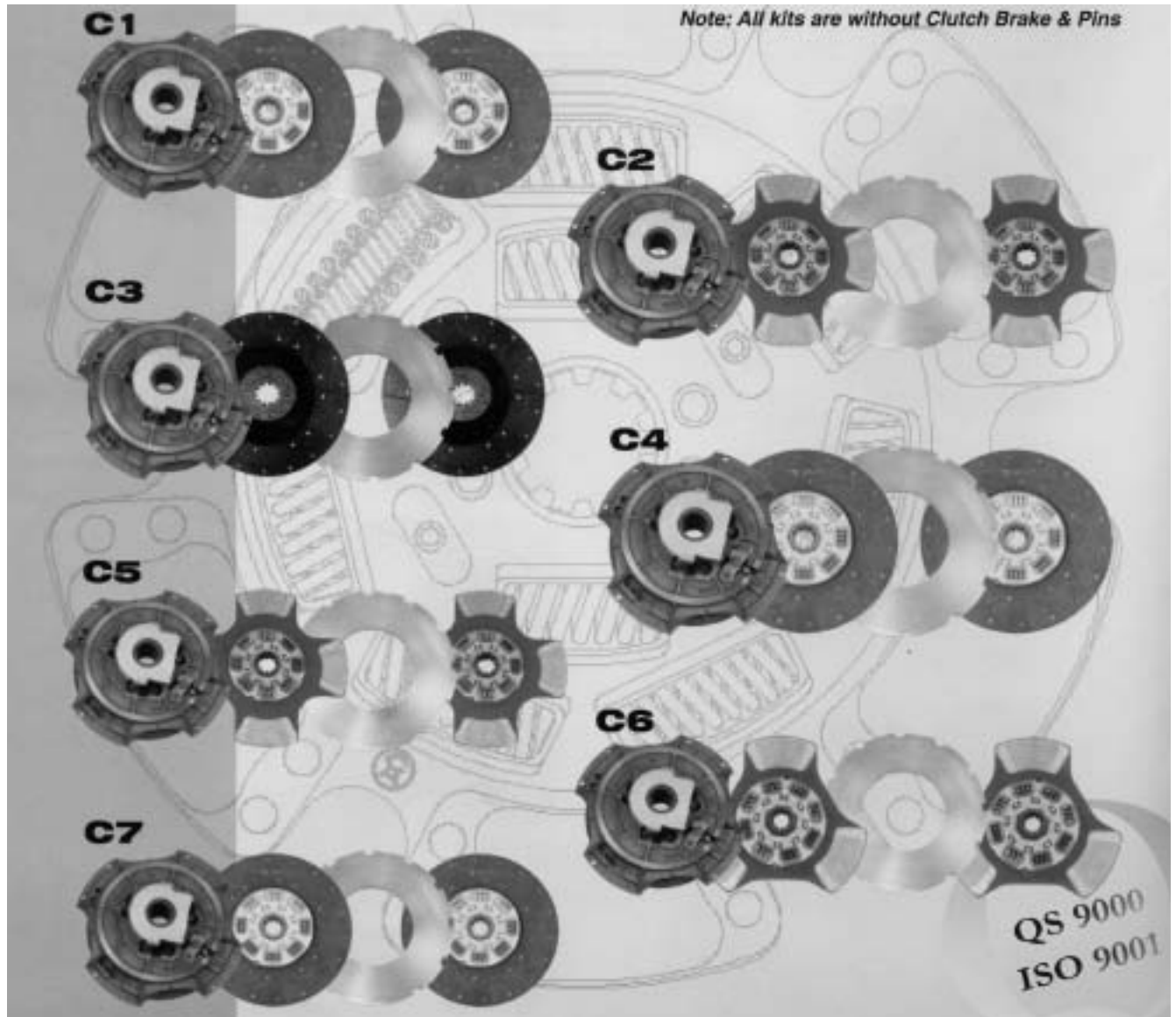


STANDARD CLUTCH KITS - 14"

ECOCLUTCH®

14"

WA NO.	REF. NO.	PART NO.	REPLACING OEM NO.	LOAD (LB)	DISC TYPE	FACING NO.	SPRING QTY.	TORQUE RATING (ft.lb.)	COVER ASSY
14" X 1-3/4" X 10									
WA107035-82B	C1	7035-82B	107035-82B	3600	OF-D	--	8	1000	CA-127400-1
WA107063-59A	C2	7063-59A	107063-59A	3600	CF-D(CO)	4	8	1400	CA-127400-1
14" X 2" X 10									
WA107034-30B	C3	7034-30B	107034-30B	3200	OFR	--	--	1000	CA-127390-1
WA107034-32B	C4	7034-32B	107034-32B	3200	OF-D	--	8	900	CA-127390-1
WA107050-59B	C5	7050-59B	107050-59B	3200	CF-D(CO)(FREE T)(SPD)	4	8	1400	CA-127390-1
WA107034-61B	C6	7034-61B	107034-61B	2800	CF-D(CO)(FREE T)(SPD)	3	8	1000	CA-127390-2
WA107034-57B	C7	7034-57B	107034-57B	3200	OF-D(CO)(FREE T)	--	8	1000	CA-127390-1

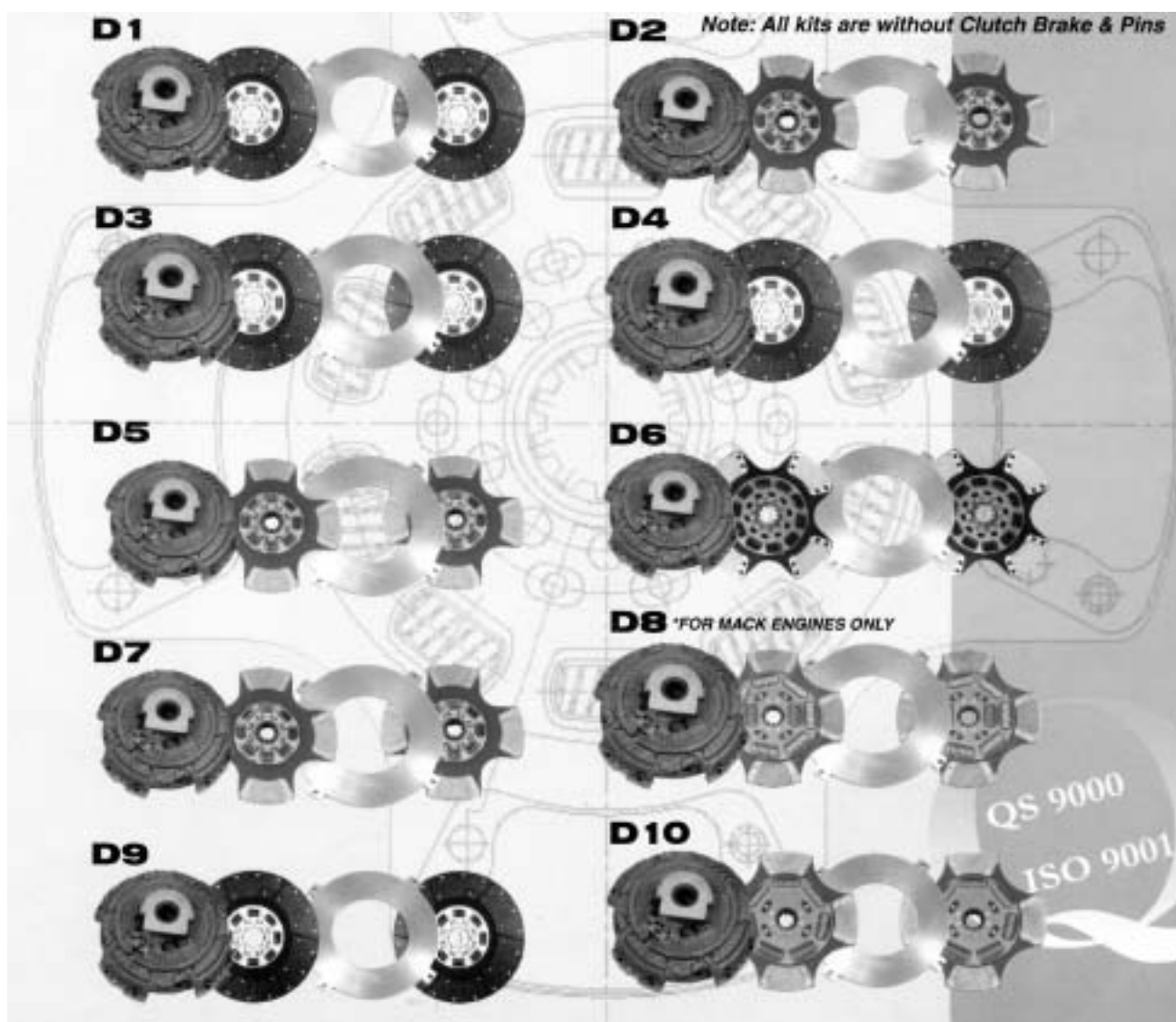


STANDARD CLUTCH KITS - 15-1/2"

ECOCLUTCH®

15-1/2"

WA NO.	REF. NO.	PART NO.	REPLACING OEM NO.	LOAD (LB)	DISC TYPE	FACING NO.	SPRING QTY.	TORQUE RATING (ft.lb.)	COVER ASSY
15-1/2" X 1-3/4" X 10									
WA1107390-77	D1	7390-77	107390-77	3600	OF-D(CO)(FREE T)	--	8	1250	CA-127476-2
WA1107390-80	D2	7390-80	107390-80	3600	CF-D(CO)(FREE T)	4	8	1400	CA-127476-2
15-1/2" X 2" X 10									
WA107091-83B	D3	7091-83B	107091-83B	3200	OF-D(CO)(FREE T)	--	8	1070	CA-127597-1
WA107091-77B	D4	7091-77B	107091-77B	3600	OF-D(CO)(FREE T)	--	8	1250	CA-127697-4
WA107091-80B	D5	7091-80B	107091-80B	3200	CF-D(CO)(FREE T)	4	8	1400	CA-129018-1
WA107091-74B	D6	7091-74B	107091-74B	3600	CF-D(CO)(FREE T)	4	10	1650	CA-129018-4
WA107091-81B	D7	7091-81B	107091-81B	3600	CF-D(CO)(FREE T)	4	8	1400	CA-129018-4
WA107935-51B	D8	7935-51B	107935-51B	3600	CF-D(CO)(FREE T)	4	9	1650	CA-129018-4
WA107391-27B	D9	7391-27B	107391-27B	3200	OF-D(CO)(FREE T)	--	8	1250	CA-127597-1
WA107925-82B	D10	7925-82B	107925-82B	3600	CF-D(CO)(FREE T)	4	7	1650	CA-127597-4

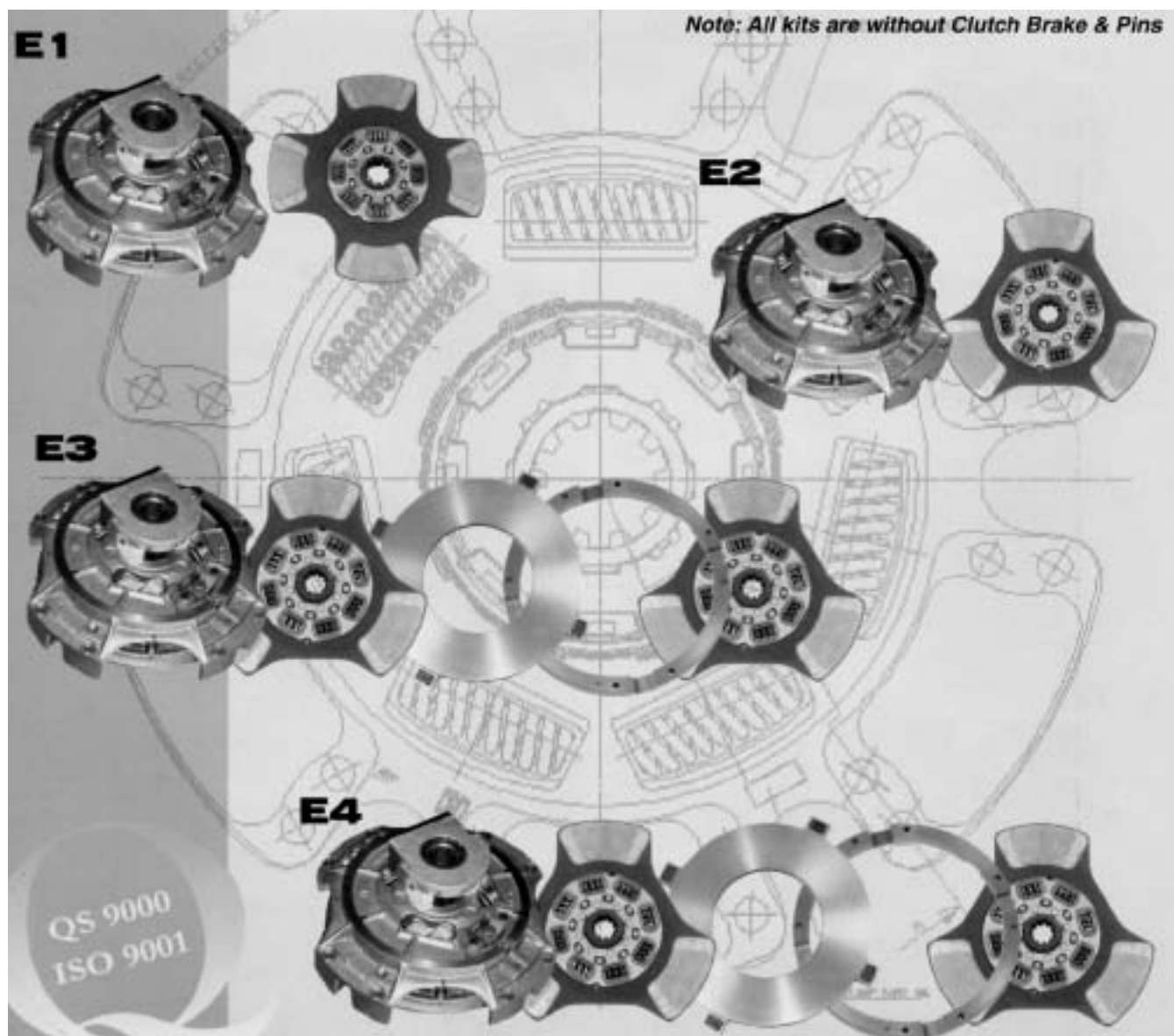


14" STAMPED STEEL CLUTCH KITS

14" STAMPED STEEL REPLACEMENT

(FLAT FLYWHEEL CAST COVER CLUTCH)

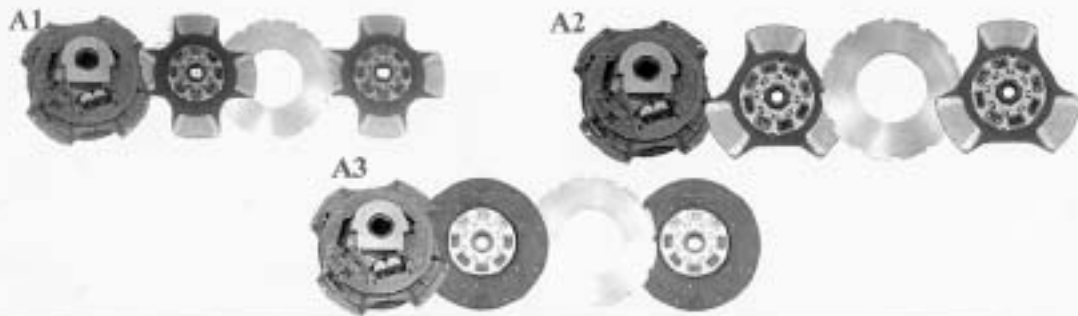
WA NO.	REF. NO.	PART NO.	REPLACING OEM NO.	LOAD (LB)	DISC TYPE	FACING NO.	SPRING QTY.	TORQUE RATING (ft.lb.)	COVER ASSY
14" X 1-3/4" X 10									
WA107915-1	E1	7915-1	107915-1	3200	CF-D	4	8	860	CA-127747
WA107683-5	E2	7683-5	107683-5	3200	CF-D(CO)(FREE T)	3	8	620	CA-127747
TWO PLATES (WITH ADAPTOR RING & INTERMEDIATE PLATE)									
WA107237-8	E3	7237-8	107237-8	2800	CF-D(CO)(FREE T)	3	8	860	CA-129044
14" X 2" X 10 (WITH ADAPTOR RING & INTERMEDIATE PLATE)									
WA107686-2	E4	7666-2	107686-2	2800	CF-D(CO)	3	8	860	CA-129055



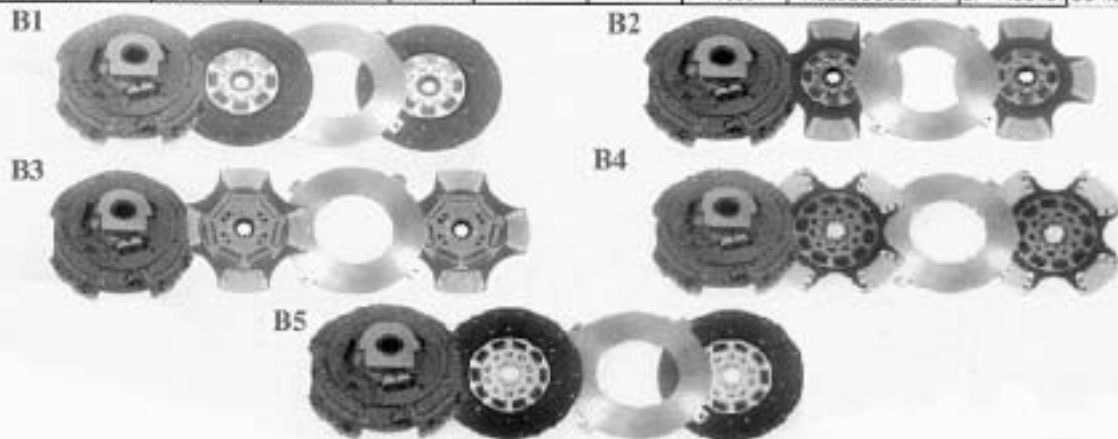
CLUTCH KIT APPLICATION

REPLACING WESTERN STAR® STYLE CLUTCH RANGE

SL NO.	CAL KIT NUMBER	CAL PART NUMBER	REPLACES	PLATE LOAD (LBS)	NO.OF WINDOWS	TYPE OF FACING	TORQUE RATING (FT/LB)	COVER ASSEMBLY	CENTER PLATE	CLUTCH DISC (FRONT & REAR)
EZ N LITE 14" x 1 3/4" x 10										
A1	EZ14175364P12508	8035-59	WA108053-52	3610	8	4P	1250	A353CCSC03P#	PL-1603	CD-12852N/128530
A2	EZ14175263P10008	8035-53	WA108035-53	2810	8	3P	1000	A353CCSC05P#	PL-1603	CD-12861E/128617
A3	EZ14175360F11508	8035-82	WA108035-54	3610	8	OF	1150	A353CCSC03P#	PL-1603	CD-128343/128344
EZ N LITE 14" x 2" x 10										
A2	EZ14200283P10008	8034-61	WA108034-61	2850	8	3P	1000	A353CCSC07P#	PL-1603	CD-128441/128442
A1	EZ14200324P14008	8030-59	WA108050-59	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A1	EZ14200324P14008	8030-59	WA108050-59	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A3	EZ14200380F11508	8034-82	WA108034-82	3600	8	OF	1150	A353CCSC02P#	PL-1603	CD-128238/128239



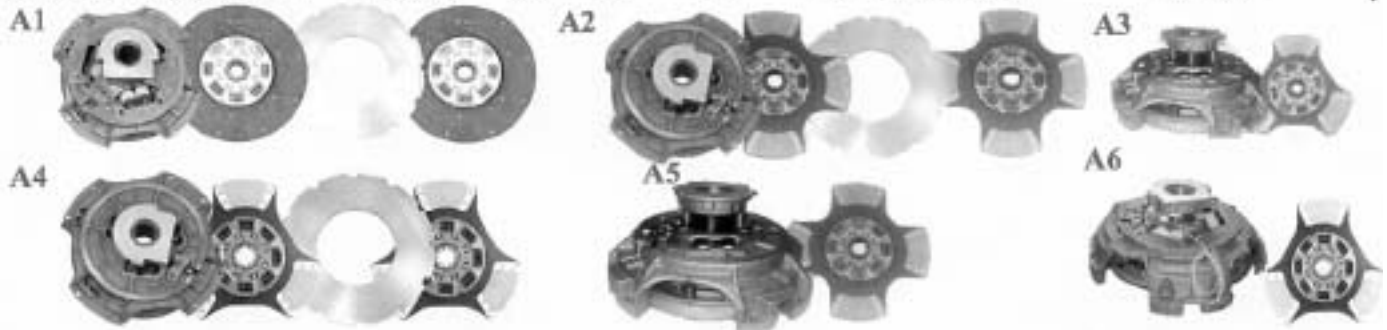
EZ N LITE 15 1/2" x 1 3/4" x 10										
B1	EZ15175360F12508	8940-77	WA108390-53	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ15175360F12508	8940-77	WA108390-52	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ15175360F12508	8940-77	WA108390-58	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ15175360F12508	8940-77	WA108390-55	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
EZ N LITE 15 1/2" x 2" x 10										
B2	EZ15200324P14008	8935-20	WA108391-80	3200	8	4P	1400	A383CCSC10P#	CP-113C151	CD-128519/128520
B1	EZ15200360F12508	8935-77	WA108391-77	3600	8	OF	1250	A383CCSC07P#	PL-1631	CD-128431/128432
B3	EZ15200324P14507	8935-80	WA108925-80	3200	7	4P	1450	A383CCSC10P#	CP-113C151	CD-128462 F&R
B2	EZ15200324P14008	8935-20	WA108391-80	3200	8	4P	1400	A383CCSC10P#	CP-113C151	CD-128519/128520
B1	EZ15200400F14508	8935-32	WA108391-82	4000	8	OF	1400	A383CCSC06P#	PL-1631	CD-128431/128432
B2	EZ15200364P14008	8935-81	WA108391-81	3600	8	4P	1400	A383CCSC03P#	CP-113C151	CD-128519/128520
B4	EZ15200364P16510	8935-74	WA108391-74	3600	10	4P	1650	A383CCSC02P#	CP-113C151	CD-128257/128258
B3	EZ15200364P16507	8935-82	WA108926-82	3600	7	4P	1650	A383CCSC02P#	CP-113C151	CD-128462 F&R
B5	EZ15200400F14510	8935-78	WA108391-78	4000	10	OF	1450	A383CCSC06P#	PL-1631	CD-128445/128446
B3	EZ15200364P16507	8935-82	WA108925-82	3600	7	4P	1650	A383CCSC02P#	CP-113C151	CD-128462 F&R



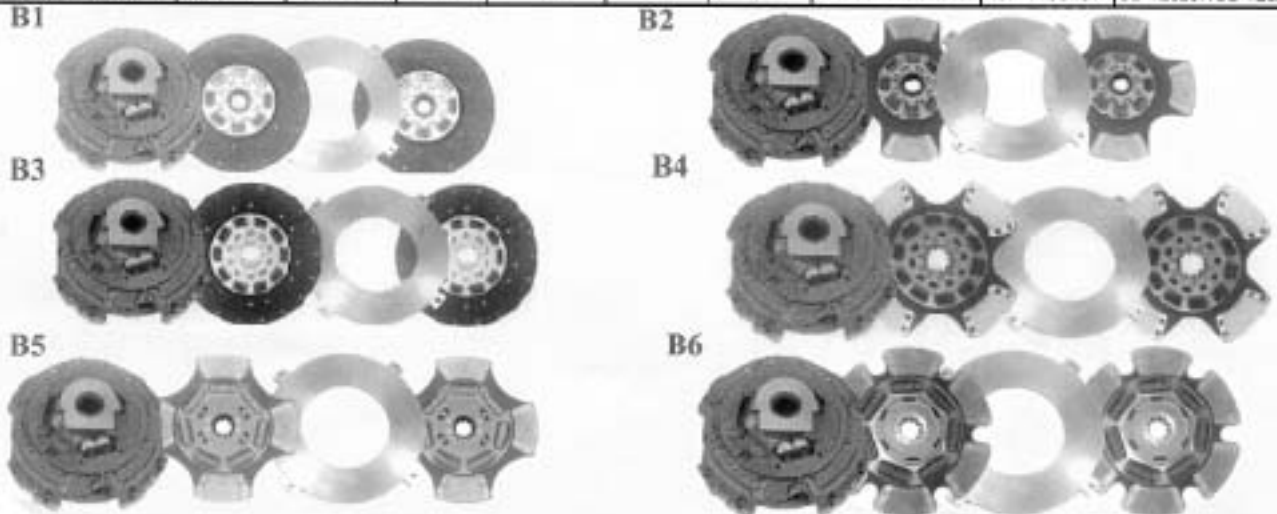
CLUTCH KIT APPLICATION

REPLACING INTERNATIONAL[®] STYLE CLUTCH RANGE

SL NO.	CAL KIT NUMBER	CAL PART NUMBER	REPLACES	LOAD (LBS)	NO. OF WINDOWS	TYPE OF FACING	RATING (FT/LB)	COVER ASSEMBLY	CENTER PLATE	CLUTCH DISC (FRONT & REAR)
EZ N LITE 14" X 1 3/4" X 10										
A1	EZ1417536OF11508	8035-82	WA108035-82	3500	8	OF	1150	A353CCSC03P#	PL-1603	CD-128343/CD-128344
EZ N LITE 14" X 2" X 10										
A1	EZ1420036OF11508	8034-82	WA108034-82	3500	8	OF	1150	A353CCSC02P#	PL-1603	CD-128238/CD-128239
A2	EC14200324P14008	7050-59	WA107050-59	3200	8	4	1400	A353CSFM01P#	PL-1603	CD-128521/CD-128522
A2	EZ14200324P14008	8050-59	WA108050-59	3200	8	4	1400	A353CCSC01P#	PL-1603	CD-128521/CD-128522
SAS 14" X 1 3/4" X 10										
A4	SS14175203P08608	7237-8	WA107237-8	2000	8	3	860	A350CSPM05C#	PL-1480	CD-128615/CD-128617
A4	SS14175203P08608	7237-10	WA107237-10	2000	8	3	860	A350CSPM05C#	PL-1480	CD-128589/CD-128590
A3	SS14175303P08608	7083-5	WA107083-5	3000	8	3	620	A350CSPM04D#	—	CD-128577
A5	SS14175284P05608	7213-5	WA107213-5	2800	8	4	650	A350CSPM04D#	—	CD-128342
WHISPER 14" X 1 3/4" X 10										
A6	W114175303P06208	9400-5	WA109400-5	3000	8	3P	620	A350WSFM04P#	—	CD-128577



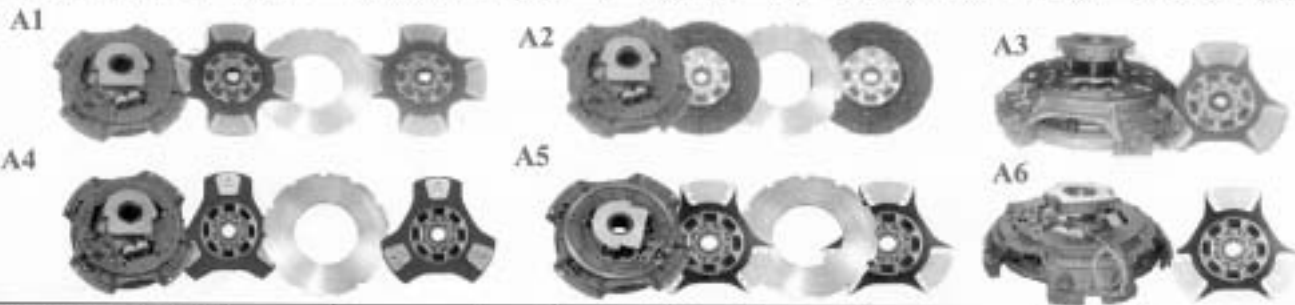
EZ N LITE 15" X 2" X 10										
B1	EZ1520040CF14008	8935-22	WA108935-22	4000	8	OF	1400	A383CCSC08P#	PL-1631	CD-128431/CD-128432
B1	EZ1520036CF12608	8935-77	WA108935-77	3600	8	OF	1250	A383CCSC07P#	PL-1631	CD-128431/CD-128432
B2	EZ15200364P14008	8935-81	WA108935-81	3600	8	4	1400	A383CCSC02P#	CP-113C151	CD-128518/CD-128520
B3	EZ1520040CF14510	8935-78	WA108935-78	4000	10	OF	1450	A383CCSC08P#	PL-1631	CD-128445/CD-128446
B4	EZ1520036CF16510	8935-74	WA108935-74	3600	10	4	1650	A383CCSC02P#	CP-113C151	CD-128257/CD-128258
B5	EZ15200364P1657P	8935-82	WA108935-82	3600	7	4	1650	A383CCSC02P#	CP-113C151	CD-128462F&R
B6	EZ15200368P1757P	8935-5	WA108935-5	3600	PCHT	6	1750	A383CCSC02P#	CP-113C151	D365MPCW01PW F&R
B6	EZ15200406P1867P	8935-10	WA108935-10	4000	PCHT	6	1950	A383CCSC01P#	CP-113C151	D365MPCW01PW F&R
B6	EZ15200406P2057P	8935-15	WA108935-15	4000	PCHT	6	2050	A383CCSC01P#	CP-113C151	D365MPCW02PW F&R
SAS 15" X 2" X 10										
B2	EC15200364P14008	7091-81	WA107091-81	3600	8	4	1400	A383CSFM10P#	CP-113C151	CD-128519/CD-128520
B4	EC15200364P16510	7091-74	WA107091-74	3600	10	4	1650	A383CSFM10P#	CP-113C151	CD-128257/CD-128258



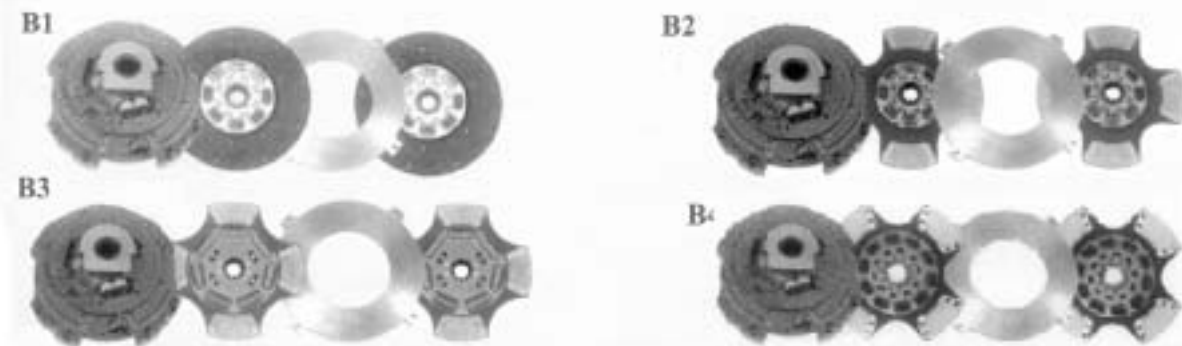
CLUTCH KIT APPLICATION

REPLACING FREIGHTLINER® STYLE CLUTCH RANGE

SL NO.	CAL KIT NUMBER	CAL PART NUMBER	REPLACES	PLATE LOAD (LBS)	NO.OF WINDO WS	TYPE OF FACING	TORQUE RATING (FT/LB)	COVER ASSEMBLY	CENTER PLATE	CLUTCH DISC (FRONT & REAR)
EZ N LITE 14" X1-3/4" X 10										
A1	EZ14175364P12508	8063-59	WA108063-53	3600	8	4P	1250	A353CCSC03P#	PL-1603	CD-128529/128530
A2	EZ14175280P08208	8035-43	WA107237-16	2800	8	OF	820	A353CCSC05P#	PL-1603	CD-128343/128344
A5	EZ14175283P10008	8035-53	WA108035-53	2800	8	3P	1000	A353CCSC05P#	PL-1603	CD-128616/128617
A2	EZ14175360P11508	8035-82	WA108035-54	3600	8	OF	1150	A353CCSC03P#	PL-1603	CD-128343/128344
SA5 14" X 1-3/4" X 10										
A3	SS14175303P06208	7683-5	WA107683-5	3000	8	3P	620	A350CSFM04P#	-----	CD-128577
A4	SS14175203T08608	7237-8	WA107237-10	2000	8	3(Trap)	860	A350CSFM06P#	PL-1480	CD-128578/128579
14" X 1-3/4" X 10 WHISPER										
A6	WH14175303P06208	9400-5	WA109400-5	3000	8	3P	620	A350WSFM04P#	-----	CD-128577
EZ N LITE 14" X 2" X 10										
A1	EZ14200324P14008	8050-59	WA108034-54	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A1	EZ14200324P14008	8050-59	WA108034-53	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A1	EZ14200324P14008	8050-59	WA108050-50	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A5	EZ14200283P16008	8034-81	WA108034-81	2800	8	3P	1000	A353CCSC07P#	PL-1603	CD-128441/128442
A2	EZ14200360P11508	8034-82	WA108034-82	3600	8	OF	1150	A353CCSC02P#	PL-1603	CD-128238/128239
SA5 14" X 2" X 10										
A4	SS14200283T08608	7542-4	WA107542-11	2000	8	3(Trap)	860	A350CSFM06P#	PL-1480	CD-128594/128595



EZ N LITE 15-1/2" X1.75" X 10										
B1	EZ15175360P12508	8940-77	WA108390-58	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ15175360P12508	8940-77	WA108390-53	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
EZ N LITE 15-1/2" X 2" X 10										
B2	EZ15200324P14008	8935-20	WA108391-60	3200	8	4P	1400	A383CCSC10P#	CP-113C151	CD-128519/128520
B1	EZ15200360P12508	8935-77	WA108391-77	3600	8	OF	1250	A383CCSC07P#	PL-1631	CD-128431/128432
B3	EZ15200324P14507	8935-80	WA108825-80	3200	7	4P	1450	A383CCSC10P#	CP-113C151	CD-128462 F&R
B1	EZ15200400P14008	8935-22	WA108391-82	4000	8	OF	1400	A383CCSC08P#	PL-1631	CD-128431/128432
B2	EZ15200364P14008	8935-81	WA108391-81	3600	8	4P	1400	A383CCSC02P#	CP-113C151	CD-128519/128520
B4	EZ15200364P16510	8935-74	WA108391-74	3600	10	4P	1650	A383CCSC02P#	CP-113C151	CD-128257/128258
B3	EZ15200364P16507	8935-82	WA108391-82	3600	7	4P	1650	A383CCSC02P#	CP-113C151	CD-128462 F&R

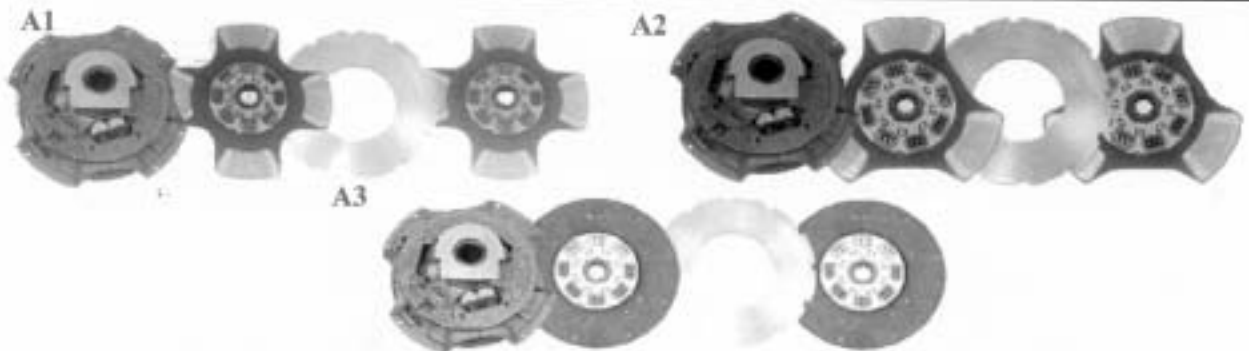


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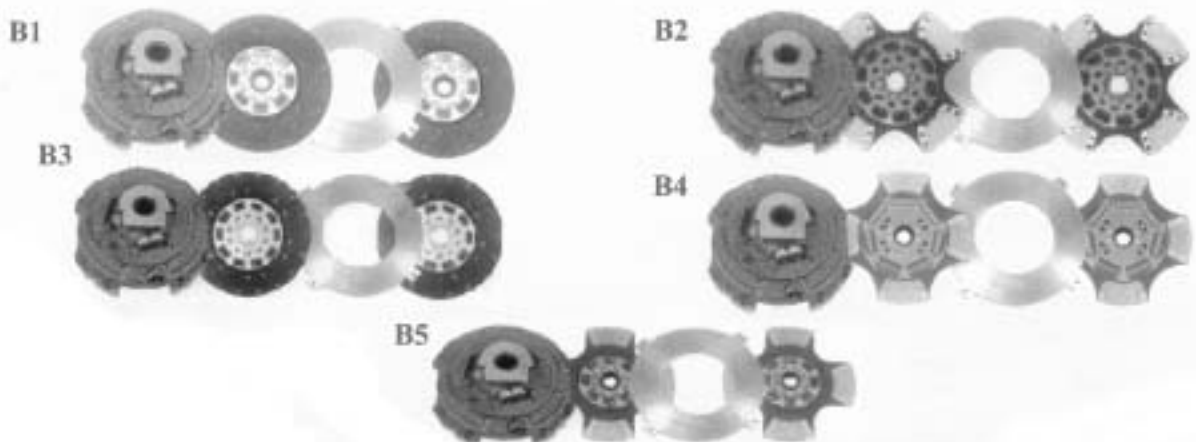
CLUTCH KIT APPLICATION

REPLACING KENWORTH® STYLE CLUTCH RANGE

SL NO	CAL KIT NUMBER	REFERENCE PART NO	CAL PART NUMBER	REPLACES	PLATE LOAD (LBS)	NO.OF WINDOWS	TYPE OF FACING	TORQUE RATING (FT/LB)	COVER ASSEMBLY	CENTER PLATE	CLUTCH DISC (FRONT & REAR)
EZ N LITE 14" X1-3/4"X 10											
A1	EZ14175364P12508	108063-59	8063-59	WA108063-52	3600	8	4P	1250	A353CCSC03P#	PL-1603	CD-128529/128530
A2	EZ14175283P10008	108035-53	8035-53	WA108035-53	2800	8	3P	1000	A353CCSC05P#	PL-1603	CD-128616/128617
A3	EZ14175360F11508	108035-82	8035-82	WA108035-54	3600	8	OF	1150	A353CCSC03P#	PL-1603	CD-128343/128344
A1	EZ14175364P12508	108063-59	8063-59	WA107335-82	3600	8	4P	1250	A353CCSC03P#	PL-1603	CD-128529/128530
A3	EZ14175360F11508	108035-82	8035-82	WA107335-81	3600	8	OF	1150	A353CCSC03P#	PL-1603	CD-128343/128344
EZ N LITE 14" X2"X 10											
A2	EZ14200283P10008	108034-61	8034-61	WA108034-61	2800	8	3P	1000	A353CCSC07P#	PL-1603	CD-128441/128442
A1	EZ14200324P14008	108050-59	8050-59	WA108034-64	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A3	EZ14200360F11508	108034-82	8034-82	WA108034-62	3600	8	OF	1150	A353CCSC02P#	PL-1603	CD-128236/128239
A1	EZ14200324P14008	108050-59	8050-59	WA108050-59	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522



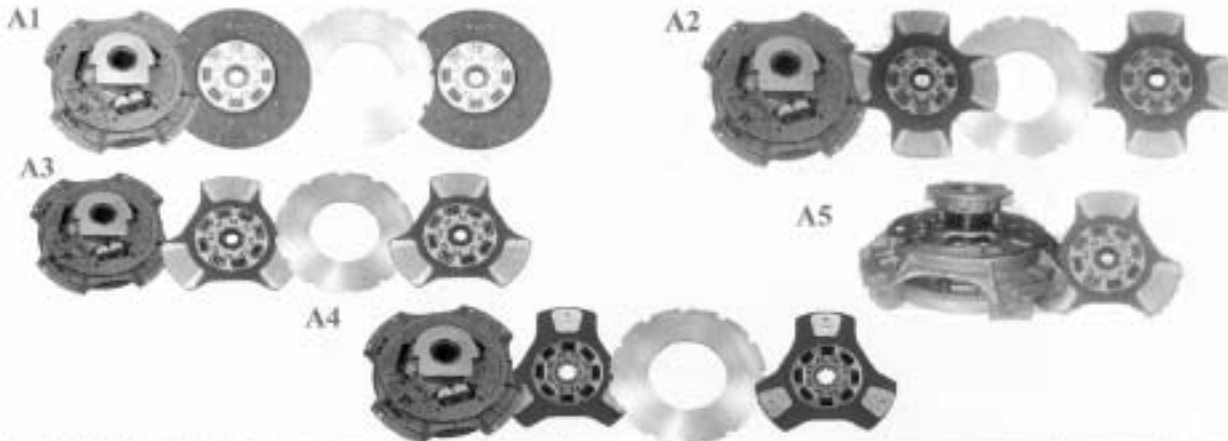
EZ N LITE 15" X1-3/4"X 10											
B1	EZ15175360F12508	108940-77	8940-77	WA108390-53	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ15175360F12508	108940-77	8940-77	WA108390-58	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ15175360F12508	108940-77	8940-77	WA108390-52	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
EZ N LITE 15" X2"X 10											
B1	EZ15200400F14008	108935-22	8935-22	WA108391-82	4000	8	OF	1400	A383CCSC06P#	PL-1631	CD-128431/128432
B2	EZ15200324P14510	108935-72	8935-72	WA108391-74	3200	10	4P	1450	A383CCSC10P#	CP-113C151	CD-128257/128258
B3	EZ15200400F14510	108935-78	8935-78	WA108391-78	4000	10	OF	1450	A383CCSC06P#	PL-1631	CD-128445/128446
B1	EZ15200360F12508	108935-77	8935-77	WA108391-77	3600	8	OF	1250	A383CCSC07P#	PL-1631	CD-128431/128432
B4	EZ15200324P14507	108935-80	8935-80	WA108925-80	3200	7	4P	1450	A383CCSC10P#	CP-113C151	CD-128462 F&R
B3	EZ15200400F14510	108935-78	8935-78	WA108391-80	4000	10	OF	1450	A383CCSC06P#	PL-1631	CD-128445/128446
B4	EZ15200364P16507	108935-82	8935-82	WA108925-82	3600	7	4P	1650	A383CCSC02P#	CP-113C151	CD-128462 F&R
B5	EZ15200364P14008	108935-81	8935-81	WA108391-81	3600	8	4P	1400	A383CCSC02P#	CP-113C151	CD-128519/128520



CLUTCH KIT APPLICATION

REPLACING PETERBILT® STYLE CLUTCH RANGE

SL NO.	CAL KIT NUMBER	CAL PART NUMBER	REPLACES	PLATE LOAD (LBS)	NO.OF WINDOWS	TYPE OF FACING	TORQUE RATING (FT/LB)	COVER ASSEMBLY	CENTER PLATE	CLUTCH DISC (FRONT & REAR)
EZ N LITE 14" x 1 3/4" x 10										
A1	EZ1417536OF11508	8035-82	WA107335-61	3600	8	OF	1150	A353CCSC03P#	PL-1603	CD-128343/128344
A2	EZ14175364P12508	8063-59	WA108063-52	3600	8	4P	1250	A353CCSC03P#	PL-1603	CD-128529/128530
A3	EZ14175283P10008	8035-53	WA108035-53	2800	8	3P	1000	A353CCSC05P#	PL-1603	CD-128616/128617
A1	EZ1417536OF11508	8035-82	WA108035-54	3600	8	OF	1150	A353CCSC03P#	PL-1603	CD-128343/128344
EZ N LITE 14" x 2" x 10										
A2	EZ14200324P14008	8050-59	WA108050-59	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A1	EZ1420036OF11508	8034-82	WA108034-82	3600	8	OF	1150	A353CCSC02P#	PL-1603	CD-128238/128239
A3	EZ14200283P10008	8034-61	WA108034-61	2800	8	3P	1000	A353CCSC07P#	PL-1603	CD-128441/128442
A2	EZ14200324P14008	8050-59	WA108034-64	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
A2	EZ14200324P14008	8050-59	WA108034-63	3200	8	4P	1400	A353CCSC01P#	PL-1603	CD-128521/128522
SAS 14" x 1 3/4" x 10										
A5	SS14175303P06208	7683-5	WA107683-5	3000	8	3P	620	A350CSFM04P#	--	CD-128577
A4	SS14175203T08808	7237-8	WA107237-10	2000	8	3(Trap)	860	A350CSFM06P#	PL-1480	CD-128578/12857
SAS 14" x 2" x 10										
A4	SS14200203T08608	7342-4	WA107342-11	2000	8	3(Trap)	860	A350CSFM09P#	PL-1480	CD-128594/12859



EZ N LITE 15 1/2" x 1 3/4" x 10										
B1	EZ1517536CF12508	8940-77	WA108940-53	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ1517536CF12508	8940-77	WA108940-52	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
B1	EZ1517536CF12508	8940-77	WA108940-50	3600	8	OF	1250	A383CCSC03P#	PL-1631	CD-128548/128549
EZ N LITE 15 1/2" x 2" x 10										
B2	EZ15200364P14008	8935-81	WA108931-81	3600	8	4P	1400	A383CCSC02P#	CP-113C151	CD-128519/128520
B3	EZ1520036CF12508	8935-77	WA108931-77	3600	8	OF	1250	A383CCSC07P#	PL-1631	CD-128431/128432
B4	EZ15200324P14507	8935-80	WA108925-80	3200	7	4P	1450	A383CCSC10P#	CP-113C151	CD-128462 F&R
B3	EZ1520040CF14008	8935-22	WA108931-82	4000	8	OF	1400	A383CCSC06P#	PL-1631	CD-128431/128432
B3	EZ1520040CF14008	8935-22	WA108931-82	4000	8	OF	1400	A383CCSC06P#	PL-1631	CD-128431/128432
B2	EZ15200324P14008	8935-20	WA108908-59	3200	8	4P	1400	A383CCSC10P#	CP-113C151	CD-128519/128520
B5	EZ1520040CF14510	8935-78	WA108931-78	4000	10	OF	1450	A383CCSC06P#	PL-1631	CD-128445/128446
B6	EZ15200364P16510	8935-74	WA108931-74	3600	10	4P	1650	A383CCSC02P#	CP-113C151	CD-128257/128258
B4	EZ15200364P16507	8935-82	WA108925-82	3600	7	4P	1650	A383CCSC02P#	CP-113C151	CD-128462 F&R



CLUTCH REPLACEMENT ACCESSORIES

CLUTCH RELEASE SHAFTS, FORK, BRAKES, BUSHINGS, PILOT BEARINGS & ACCESSORIES

<u>WA#</u>	<u>DESCRIPTION</u>
105C137	CLUTCH FORK CASTING #105C138
106C1185R	CLUTCH RELEASE SHAFT 5-3/4" LENGTH
106C1498R	CLUTCH RELEASE SHAFT 6-1/2" LENGTH
106C1094R	CLUTCH RELEASE SHAFT 8-1/2" LENGTH
106C1047R	CLUTCH RELEASE SHAFT 9-1/2" LENGTH
106C939	CLUTCH RELEASE SHAFT 10" LENGTH
127175	CLUTCH BRAKE - 1-3/4" 2-PIECE
127200	CLUTCH BRAKE - 2" 2-PIECE HINGED
127740X	CLUTCH BRAKE - 1-3/4" SINGLE PIECE
127760X	CLUTCH BRAKE - 2" SINGLE PIECE
128C20	CLUTCH BUSHING
12815	CLUTCH BUSHING
206SS	PILOT BEARING
306SS	PILOT BEARING
274C6	DRIVE PIN
274C28	DRIVE PIN (THREADED)
K2468	INPUT SHAFT KIT 2"
S1659	INPUT SHAFT 2"

CLUTCH INSTALLATION GUIDE

1 Measure

Measure Engine Flywheel Housing And Flywheel

Engine flywheel housing and flywheel must meet these specifications or there will be premature clutch wear. Remove old Pilot Bearing. All gauge contact surfaces must be clean and dry. Use a dial indicator and check the following:

Flywheel Face Runout

Secure dial indicator base to flywheel housing base. Put gauge finger in contact with flywheel face near the outer edge. Rotate flywheel one revolution. Maximum runout is .003" (.20 mm).



Flywheel Housing I.D. Runout

Secure dial indicator base to crankshaft. Put gauge finger against flywheel housing pilot I.D. Rotate flywheel one revolution. Maximum runout is .003" (.20 mm).



Pilot Bearing Bore Runout

Secure dial indicator base to flywheel housing face. Position gauge finger so that it contacts pilot bearing bore. Rotate flywheel one revolution. Maximum runout is .003" (.13 mm).



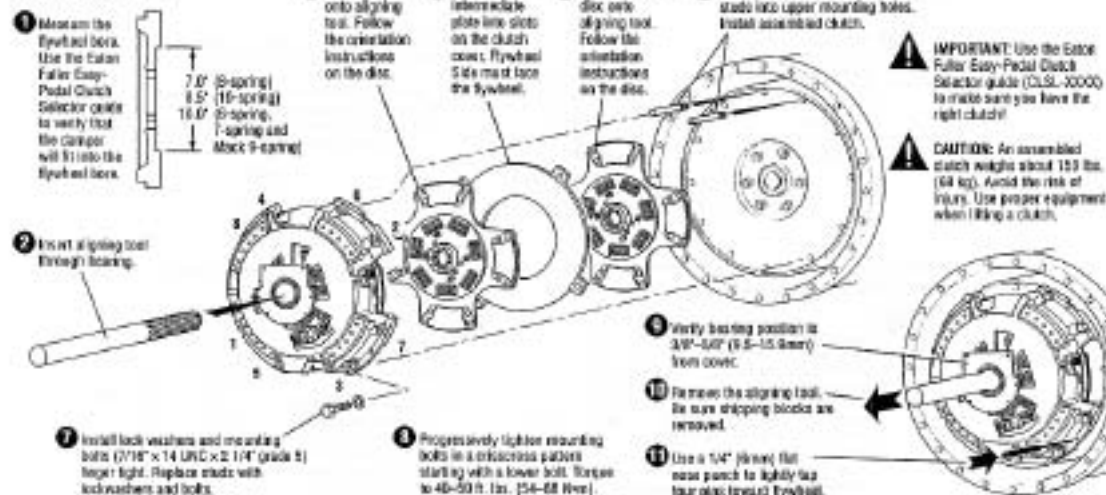
Flywheel Housing Face Runout

Secure dial indicator base to flywheel near the outer edge. Put gauge finger in contact with face of flywheel housing. Rotate flywheel one revolution. Maximum runout is .003" (.20 mm).



2 Install Clutch to Flywheel

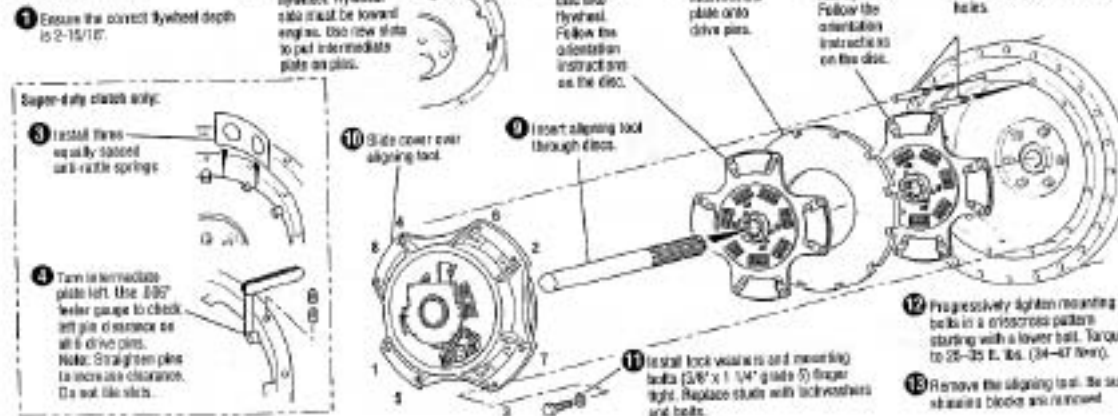
For 15.5" clutch only:



IMPORTANT: Use the Eater Fuller Easy-Pedal Clutch Selector guide (CLSL-30000) to make sure you have the right clutch!

CAUTION: An assembled clutch weighs about 155 lbs. (68 kg). Avoid the risk of injury. Use proper equipment when lifting a clutch.

For 14" clutch only:



Super-duty clutch only:



CLUTCH INSTALLATION GUIDE

3 Install Transmission

Check Transmission For Wear

Replace any worn components.

Transmission Bearing Retainer Cap

A worn/bent bearing retainer cap may cause the clutch brake to wear prematurely.

Release Yoke

Worn fingers can cause burning wear and yoke interference when the pedal is down.

Input Shaft

Wear (roughness) can reduce sleeve bearing life and cause it to come out.

Cross Shaft And Bushings

Excessive wear at these points can cause side loading on the sleeve bearing, bushing failure and yoke bridge contact with the clutch when the pedal is down.

Input Shaft Splines

Any wear on the splines will prevent the driven disc from sliding freely, causing poor clutch release (clutch drag). Slide discs full length of shaft to check for twisted shaft splines.

Clutch Brake

Replace.

Measure Input Shaft

Length should be 8.65" (219.89 mm) nominal, and not greater than 8.71" (221.23 mm). Ref. 1990 SAE handbook 4-38.195. Replace transmission bearing retainer cap if length is greater than 8.71" (219.89 mm).

Fasten Transmission To Flywheel Housing

Transmission installation and clutch set-up procedures are the same for the 14" and 15.5" clutch.

1

Put transmission in gear. Be sure new clutch brake has been installed.

2

Make sure that the yoke fingers return to the up position and they are over the release bearing housing.

3

Position transmission so it is square to and aligned with engine.

4

Mesh splines by moving transmission forward and rotating the output shaft. Do not use excessive force. Do not let the transmission hang unsupported in the discs.

5

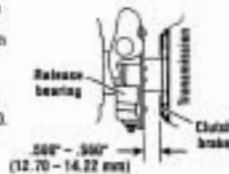
Install mounting bolts and torque to OEM specs.

4 Set-up & Lubricate

Adjust Bearing Position

1

Measure the distance between the release bearing and the clutch brake. The correct distance should be .500" - .560" (12.70 - 14.22 mm). If correct go to Step 3.



2

To change bearing position, push and hold pedal while pushing and turning adjusting nut.

- If measurement was more than .560" (14.22 mm) turn adjusting nut clockwise.
- If measurement was less than .500" (12.77 mm) turn adjusting nut counterclockwise.

Adjusting Nut

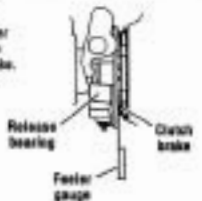


Verify Clutch Brake Squeeze

3

Insert .010" (.25 mm) feeler gauge between the release bearing and the clutch brake. Press the pedal down to clamp the gauge.

- If the gauge does not clamp, adjust linkage to achieve clutch brake squeeze then recheck Step 3.



4

Slowly let up on the pedal and check the pedal position at the moment the gauge can be removed.

- If the pedal is less than 1.0" (25.4 mm) or more than 1" (25.4 mm) from the floor when the gauge can be removed, readjust the linkage. (Repeat Steps 3 and 4.)



Verify Free-Play

5

Check distance between yoke tips and bearing wear pads. This distance should be 1/8" (3.2 mm).

- Do not change bearing position.



6

To change the yoke finger and bearing wear pads clearance, adjust the upper pedal stop to raise or lower the pedal in the cab.



Lubricate

Use a lithium soap base E.P. (Extreme Pressure) grease with a minimum of 300°F (149°C) operating range meeting M.L.G.I., grade 1 or 2 specs.

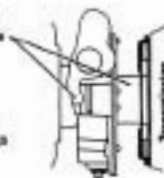
Apply ample grease that visibly coats the opening and contacts the transmission shaft. This will lube the clutch brake when pedal is pressed.

7

Apply grease to the input shaft and yoke fingers.

8

Apply grease to the cross shaft bushings and linkage pivot points.



CLUTCH FLYWHEELS, DISCS, & CENTER PLATES

CLUTCH FLYWHEELS

WA#	DESCRIPTION	FOR REPLACING CLUTCH
WA1265875	1265875	14" - CAT STYLE 3126
WA1809144C91	1809144C91	14" - NAVISTAR® STYLE 6.9/7.3
WA1810855C93	1810855C93	14" - NAVISTAR® STYLE DT466
WA1818214C91	1818214C91	14" - NAVISTAR® STYLE 7.3 - 444
WA1821915C91	1821915C91	14" - NAVISTAR® STYLE DT466E
WA3016495	3016495	14" - CUMMINS® STYLE 855
WA3021660	3021660	15" - CUMMINS® STYLE 855/N14
WA3042787	3042787	14" - CUMMINS® STYLE L10
WA3071535	3071535	15" - CUMMINS® STYLE 855/N14
WA3071615	3071615	15" - CUMMINS® STYLE L10
WA3921263	3921263	14" - CUMMINS® STYLE 5.9 6BT
WA530GB2145BM	530GB2145BM	15" - MACK® STYLE E7
WA530GB3170M	530GB3170M	15" - MACK® STYLE ETECH

CLUTCH DISCS AND CENTER PLATES

WA#	DESCRIPTION	FOR REPLACING CLUTCH
WA128230	DISC PRESSURE PLATE	STYLE 108050-59
WA128229	DISC FLYWHEEL	STYLE 108050-59
WA128462	BOTH PRE/FLY	STYLE 108925-82
WA128215	DISC FLYWHEEL	STYLE 108391-81
WA128216	DISC PRESSURE PLATE	STYLE 108391-81
WA128257	DISC FLYWHEEL	STYLE 108391-74
WA128258	DISC PRESSURE PLATE	STYLE 108391-7
4WA113C151	CENTER PLATE	STYLE 108391-74/81 STYLE 108925-82 STYLE 108935-10/15
WA1603	CENTER PLATE	STYLE 108050-59

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NOTES

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NOTES

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WARRANTY



MIDWEST TRUCK & AUTO PARTS, INC. warrants that all new MIDWEST TRUCK & AUTO PARTS, INC. products, except as otherwise provided herein, will be free from defects in material and workmanship for the first **6 months or 50,000 miles, whichever occurs first, with the sole exception of its heavy duty alternators and starters, the warranty for which shall extend for the first year, with no mileage limit.** THIS WARRANTY WILL NOT APPLY IF ANY PART HAS BEEN MODIFIED, DAMAGED OR IS DEFECTIVE AS A RESULT OF ANY ACCIDENT, MISUSE, USE IN COMPETITIVE APPLICATIONS, IMPROPER INSTALLATION, NEGLIGENCE, REPAIR OR ALTERATION.

COMPETITION PARTS ARE SOLD "AS IS", WITHOUT ANY WARRANTY WHATSOEVER. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED; THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF SUCH PARTS IS WITH THE BUYER. SHOULD SUCH PARTS PROVE DEFECTIVE FOLLOWING THEIR PURCHASE, THE BUYER AND NOT THE MANUFACTURER, DISTRIBUTOR OR RETAILER, ASSUMES THE ENTIRE COST OF ALL NECESSARY SERVICING OR REPAIR.

The MIDWEST TRUCK & AUTO PARTS, INC. parts warranty is voided if the part is used for competition or if it has been modified.

To make a warranty claim on parts used in non-competitive applications, distributors should contact MIDWEST TRUCK & AUTO PARTS, INC., and individuals should contact their MIDWEST TRUCK & AUTO PARTS, INC. distributor for a Return Goods Authorization (RGA) Number. **No returns will be accepted without an RGA Number.** All parts should be returned to MIDWEST TRUCK & AUTO PARTS, INC. freight prepaid. MIDWEST TRUCK & AUTO PARTS, INC. will issue a credit equal to the original purchase price for all defective parts covered by this warranty. In the event that a warranty claim cannot be substantiated by MIDWEST TRUCK & AUTO PARTS, INC., the parts will be returned to the customer freight collect.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IN NO EVENT WILL MIDWEST BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, ANY LABOR COSTS.



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TRUCK & AUTO PARTS INC.



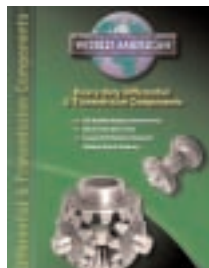
Catalog selection of our products



Heavy Duty Truck Components

O.E. quality brake valves plus related components: clutches, electrical

components, steering components, water pumps and hydraulic pumps.



Heavy Duty Differential & Transmission Components

Differential, manual transmission components and rebuild kits for

heavy duty applications. Helpful unit breakdown diagrams have numerically matched parts lists to aid in identification.



Mid-Range Manual Transmission Components

Mid-Range manual transmission components including: bear-

ings, shafts, synchronizers, small parts kits and much more.



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O.E. quality starters & alternators for midrange and heavy duty

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Heavy Duty Hydraulic, Driveline, Water Pump, and Steering Components

This catalog encompasses a comprehensive selection of heavy

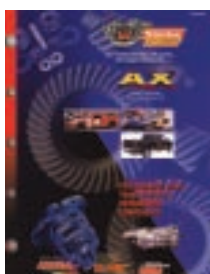
duty hydraulic, driveline, water pump and steering components.



Heavy Duty, Light Duty & Performance Axle Shafts

O.E. quality axle shafts for popular applications in today's

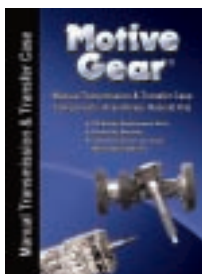
after market. This catalog includes comprehensive coverage of high demand domestic and import applications.



Light Duty, 4x4, Performance Differential & Transmission Components

Featuring our stock performance and high performance ring and pinions; as

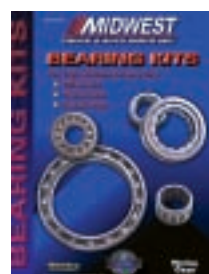
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