

Roadranger®



E·T·N

Fuller® Clutches

Clutch Factory Direct Program

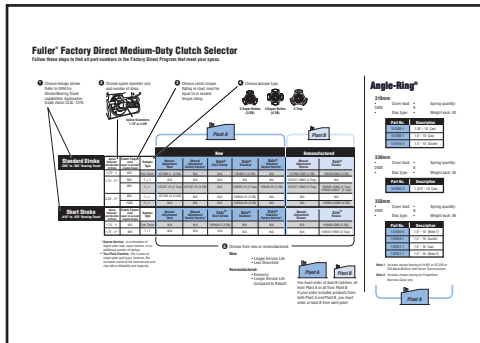
CLFD1292

March 2007

Use this guide to order clutches from the Factory Direct Program

1 Choose from clutches in the Factory Direct Program using the foldout charts:

- Receive price breaks for orders of 8, 24 and 36.
- See clutch selector at www.roadranger.com/clutch for additional help selecting Fuller clutches.



2 Order *at least* 8 clutches, all from Plant A or all from Plant B.

Order Contact Info

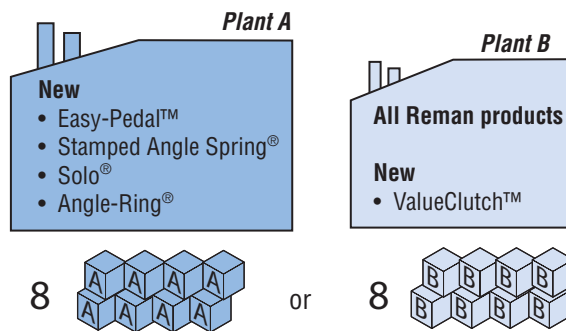
Use normal Factory Direct ordering channels, or contact:

Eaton Corporation
1300 East Michigan Ave.
P.O. Box 4013
Kalamazoo, MI 49003-4013

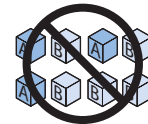
Phone: 1-800-826-4357
(Option 2, 2)

Fax: (269) 383-5535

Freight will be prepaid*.



Important: If your order includes products from both Plant A and Plant B, you must order *at least 8 from each Plant*.



3 Shipped within 2 weeks of receipt of order.



*Continental U.S. only. Alaska, Hawaii and U.S. Territorial Possessions are prepaid to port; collect from port to destination. Special requests to ship via air, UPS, bus, etc. will be shipped prepaid and shipping charges will be added to invoice.

Competitive Cross-Reference Chart

Competitive Cross-Reference Chart

MERITOR® PART NUMBERS							
Meritor® No.	Eaton No.		Meritor® No.	Eaton No.		Meritor® No.	Eaton No.
M152715	108925-82		R151150	108391-78		R153600 (2)	108925-82
M153715	108925-20		R151155	108391-78		R153705	108391-78
R140150	108034-82		R151405 (1)	108391-74		R154150	108925-84
R140151	108034-82		R151406	108391-74		R154600 (2)	108925-20
R140400 (1)	108050-59		R151455 (1)	108391-78		R154705	108925-82
R140401	108050-59		R151456	108391-78		R155600 (2)	108935-51
R140450 (1)	108034-82		R151600 (2)	108925-82		R155705	108925-80
R140451	108034-82		R151650 (2)	108925-20			108925-82
R14100	108050-59		R151705	108925-82		R156600 (2)	108935-26
R141100	108050-59		R151725	108935-51			108935-51
R141101	108050-59		R151406	108391-74		R156705	108925-82
R141151	108034-82		R152455 (1)	108391-78		R157600 (2)	108925-80
R142150	108034-82		R152600 (2)	108925-82		R157705	108925-20
R143100	108050-59		R152650	108925-20		R157755	108925-25
R150105	108391-74		R152705	108925-82		R158600 (2)	108925-80
R150155	108391-78		R152725	108935-26			108925-82
R150600 (2)	108925-84		108935-51	R158705	108925-84		
R150705	108925-84	R153105	108391-74	R159600 (2)	108925-82		
R151105	108391-74	R153405 (1)	108391-74	R159705	108925-80		

Meritor® and Sachs® are a registered trademark of ArvinMeritor™.

SACHS® PART NUMBERS	
Sachs® No.	Eaton No.
MX152728	109700-51
MX152708	109701-82
MX153708	109701-20
MX154708	109701-25
MX156708	109705-82Y
MX157708	109705-20Y
MX158708	109705-25Y
MX152718	109701-82
MX153718	109701-20
MX154718	109701-25

Clutch Brakes, Drive Pins and Lube Tubes

Brakes, pins and lube cannot be ordered separately from clutch products. They cannot be used to meet minimum order requirements.

Clutch Brakes (order in multiples of 5)

Spline	Description	Part No.
1.75" - 10	Torque Limiting	127740
2" - 10	Kwik-Konnect®	127200
	Kwik-Konnect® (20-piece box)	127200-20
	Torque Limiting	127760
	Torque Limiting (50-piece box)	127760-50

Drive Pins (order in multiples of 6)

Description	Part No.
Drive Pin	274C6
300 Drive Pins (50 six-piece bags)	274C6-300

Lube Tubes (order in multiples of 30)

Description	Part No.
Lube 8" Tube (30-tube box)	CLT008P-30

Fuller® Factory Direct Heavy-Duty Clutch Selector

Follow these steps to find all part numbers in the Factory Direct Program that meet your specs.

- 1 Choose size of your cast two-plate heavy-duty clutch.
Note: All spline diameters are 2".
- 2 Determine fly wheel bore opening and select number of springs.
- 3 Choose clutch torque.
Rating in chart must be equal to or exceed torque rating.

									<div>Plant A</div>			<div>Plant B</div>																	
15.5 Inch	Spline Diameter and No. of Splines	Flywheel Bore Opening	Number of Springs	Clutch Torque (must exceed engine torque)	Disc Type	Facing	Cover Load	Weight Each	New			Remanufactured		ValueLine™															
									Easy-Pedal™ w/o Brake MG	Solo® Standard Yoke AFG	Solo® XL Roller Yoke AFG	Solo® AFG	Easy-Pedal™ New Int Plate MG	ValueClutch™ MG															
									2" - 10	7"	8	1070	DOF-CO-FT	Organic	3200	150						107091-83B							
												1250	DOF-CO-FT	Organic	3600	150						107091-77B							
												1400	DCF-CO-FT	4	3200	150						107091-80B							
													DCF-CO-FT	Organic	4000	150	108391-81				108391-81MO	107091-81B							
										8.5"	10	1450	DOF-CO-FT	Organic	4000	150	108391-78												
												1650	DCF-CO-FT	4	3600	150	108391-74	109701-74			109700-74MO	108391-74 MO	107091-74B						
												1860	DCF-CO-FT	6	4000	150	108391-93												
												10"	9 (Mack)	1650	DCF-CO	4	3600	150							107935-51B*				
									1760	DCF-CO	4			3600	150					109700-61MO*	108935-61MO*								
									7	1700	DCF		4	3600	150	108925-14	109701-14												
													4	3600	150	108925-82	109701-82	109705-82Y	109700-82MO**	108935-82MO**									
													6	3600	150	108925-85													
													4	3600	150	108935-82**													
													1860	DCF-VCTplus	6	4000	150	108925-20	109701-20		109700-20MO**								
2050	DCF-VCTplus	6	4000	150	108925-25	109701-25																							
14 Inch	Spline Diameter and No. of Splines	Flywheel Bore Opening	Number of Springs	Clutch Torque (must exceed engine torque)	Disc Type	Facing	Cover Load	Weight Each	Easy-Pedal Plus® w/o Brake MG	Solo® Standard Yoke MG	Solo® XL Roller Yoke MG	Solo® MG	Easy-Pedal™ New Int Plate MG	ValueClutch™ MG															
															2" - 10	7"	None	1000	ROF	Organic	3200	110						107034-30B	
																	8	1000	DCF-CO-FT	3	2800	110	108034-61B	N/A	N/A	N/A		108034-61MO	107034-61B
																			DOF-CO-FT	Organic	3200	110						107034-57B	
																		1150	DOF-CO-FT	Organic	3600	110	108034-82B					108034-82MO	
															1400	DCF-CO-FT-SD			4	3200	110	108050-59B					108050-59MO	107050-59B	

*Dual Zerk - Mack engines only
**Dual Zerk
NOTE: VCT 6-Spring design replaced by VCT Plus 7-Spring design.

- 4 Narrow clutch choice based on options. All part numbers in row meet your specs.

Disc Type: **D** **CF** **CO**
D = Dampened
CF = Ceramic Facing
OF = Organic Facing
CO = Coaxial
FT = Free Travel
SD = Super Duty
VCT = Vibration Control Technology

- 5 Choose from new or remanufactured.
- New:**
- Longer Service Life
 - Less Downtime
- Remanufactured:**
- Economy
 - Longer Service Life Compared to Rebuilt

Cover Type Key
AF = Adjustment-Free
AFG = Adjustment-Free Greaseable Bearing
MG = Manual Adjust w/ Greaseable Bearing



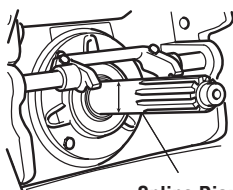
You must order *at least* 8 clutches, all from Plant A or all from Plant B. If your order includes products from both Plant A *and* Plant B, you must order *at least 8 from each plant*.

Fuller® Factory Direct Medium-Duty Clutch Selector

Follow these steps to find all part numbers in the Factory Direct Program that meet your specs.

1 Choose linkage stroke.
Refer to OEM for
Stroke/Bearing Travel
capabilities: Application
Guide *Eaton CLSL-1276*.

2 Choose spline diameter size
and number of discs.



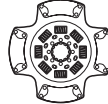
Spline Diameters:
1.75" or 2.00"

3 Choose clutch torque.
Rating in chart must be
equal to or exceed
torque rating.

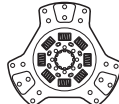
4 Choose damper type.



3 Super Button
(3 SB)



4 Super Button
(4 SB)



3 Trap

Standard Stroke .500" to .560" Bearing Travel

Spline Diameter and Number of Discs	Clutch Torque <i>must equal or exceed engine torque</i>	Damper Type
1.75" - 1	620	Free Travel
1.75" - 2**	800	7 + 1
	860	7 + 1
2.00" - 2**	860	7 + 1
	1000	7 + 1

Short Stroke .410" to .470" Bearing Travel

Spline Diameter and Number of Discs	Clutch Torque <i>must equal or exceed engine torque</i>	Damper Type
1.75" - 1	620	Free Travel
1.75" - 2**	860	7 + 1

* **Severe Service:** A combination of
higher plate load, super buttons, or an
additional number of facings.

** **Two Plate Clutches:** Fits in place of
single plate (pull type), however, this
increases inertia to the transmission and
may affect shiftability and longevity.

5 Choose from new or remanufactured.

New:

- Longer Service Life
- Less Downtime

Remanufactured:

- Economy
- Longer Service Life
Compared to Rebuilt

Plant A

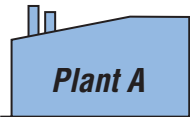
Plant B

New

Manual Adjustment New	Manual Adjustment Severe Service*	Solo® Short Stroke	Solo® Standard	Solo® Standard Severe Service*
107683-5 (3 SB)	N/A	N/A	109400-5 (3 SB)	N/A
N/A	N/A	N/A	N/A	N/A
107237-10 (3 Trap)	107237-22 (3 SB)	N/A	109500-10 (3 Trap)	109500-22 (3 SB)
107342-12 (3 SB)	N/A	N/A	109504-12 (3 SB)	N/A
N/A	N/A	N/A	109504-24 (4 SB)	N/A

Remanufactured

Manual Adjustment Reman	Solo® Reman
107683-5MO (3 SB)	109400-5MO (3 SB)
107237-16MO (3 Trap)	N/A
107237-10MO (3 Trap)	109500-10MO (3 Trap) 109500-22MO* (3 Trap)
N/A	N/A
N/A	109504-24MO (4 SB)



Plant A



Plant B

You must order *at least* 8 clutches, all
from Plant A or all from Plant B.
If your order includes products from
both Plant A *and* Plant B, you must
order *at least* 8 from *each* plant.

Angle-Ring®

310mm

- Cover load: 2400
- Disc type: DCF
- Facing number: 4
- Spring quantity: 6
- Weight each: 40
- Torque rating: 400 lb.ft.

Part No.	Description
107605-1	1.25" - 10 Cast
107606-1	1.5" - 10 Cast
107616-4	1.5" - 10 Ductile

330mm

- Cover load: 2400
- Disc type: DCF
- Facing number: 4
- Spring quantity: 6
- Weight each: 40
- Torque rating: 450 lb.ft.

Part No.	Description
107943-3	1.375" - 10 Cast

350mm

- Cover load: 2400
- Disc type: DCF-FT
- Facing number: 4
- Spring quantity: 8
- Weight each: 46
- Torque rating: 500 lb.ft.

Part No.	Description
107350-4	1.5" - 10 (Note 1)
107620-1	1.5" - 10 Ductile
107621-1	1.5" - 10 Cast
107621-7	1.5" - 10 (Note 2)

Note 1 Includes release bearing to fit MS or SC 200 or
250 Mack Midliner with Spicer Transmissions.

Note 2 Includes release bearing for Freightliner
Business Class only.

Plant A

Core Allowance and Return Procedures

Core Credit Allowance

Reman Clutches

Eaton will issue core credit against reman purchases to dealers through the O.E.M. Core credit will be accepted for the following products only:

14" Cast Easy-Pedal™	\$60
Stamped Angle Spring®	\$60
15.5" Cast Easy-Pedal™	\$100

Cores must be returned to Eaton within 360 days of the original reman clutch purchase. Any cores received ahead of reman purchases will be held 30 days for credit against future purchases. After 30 days, cores will become the property of Eaton Corporation and no credit will be issued.

Core Return Procedures

Return Freight

Shipping Weight	Freight Type
Less than 1200 lbs.	Ship prepaid freight
More than 1200 lbs.	May ship freight collect with Eaton approved carrier (Continental U.S. only). See core form or call a reman facility for list of approved carriers.

Shipping Forms

Mark shipping documents as follows:

"CORES - CORE ITEM NO. 17850, USED AUTO PARTS, VALUE FOR RECONDITIONING ONLY, AT CLASS 60"

Use core return form supplied by Eaton. Include a packing list that shows:

- Cores being returned
- Customer address
- Customer telephone number

Core Return Location:

Alotech Inc.
2700 S. Horner Blvd.
Sanford, NC 27330-9754
Phone: (919) 774-1297

Core Weights

Cast

Part	14"	15.5"
Complete Kits	108 lbs.	141 lbs.
Cover Assembly	60 lbs.	86 lbs.
Intermediate Plate	26 lbs.	27 lbs.
Drive Disc (each)	11 lbs.	14 lbs.

Stamped

Part	14"
Complete Kits (Single Plate)	66 lbs.
Complete Kits (Two Plate)	100 lbs.
Cover Assembly Only	56 lbs.
Intermediate Plate Assembly	24 lbs.
Drive Disc (each)	10 lbs.

All weights are approximate and may vary with specific product type.

Note: For additional information on Cores, see APSL0419 Unit Exchange Program Guide on www.roadranger.com.

Surplus Product Return Procedure

1. Call 1-800-826-4357 (Option 2, 2)
 - Freight prepaid by dealer
 - 20% restocking fee
2. Customer Support issues Return Material Authorization (RMA)
3. Return product within 30 days or RMA is cancelled

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Roadranger®



EATON

For spec'ing or assistance, call 1-800-826-HELP (4357) 24 hours a day, 7 days a week (Mexico: 001-800-826-4357), for more time on the road. Or visit our web site at www.roadranger.com.

Roadranger: Eaton, Dana and other trusted partners providing the best products and services in the industry, ensuring more time on the road.