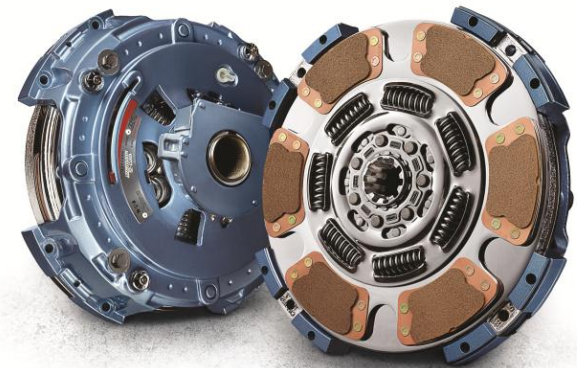




# The importance of Genuine Eaton SOLO Clutch / Hydraulic Linkage



**EATON**

*Powering Business Worldwide*

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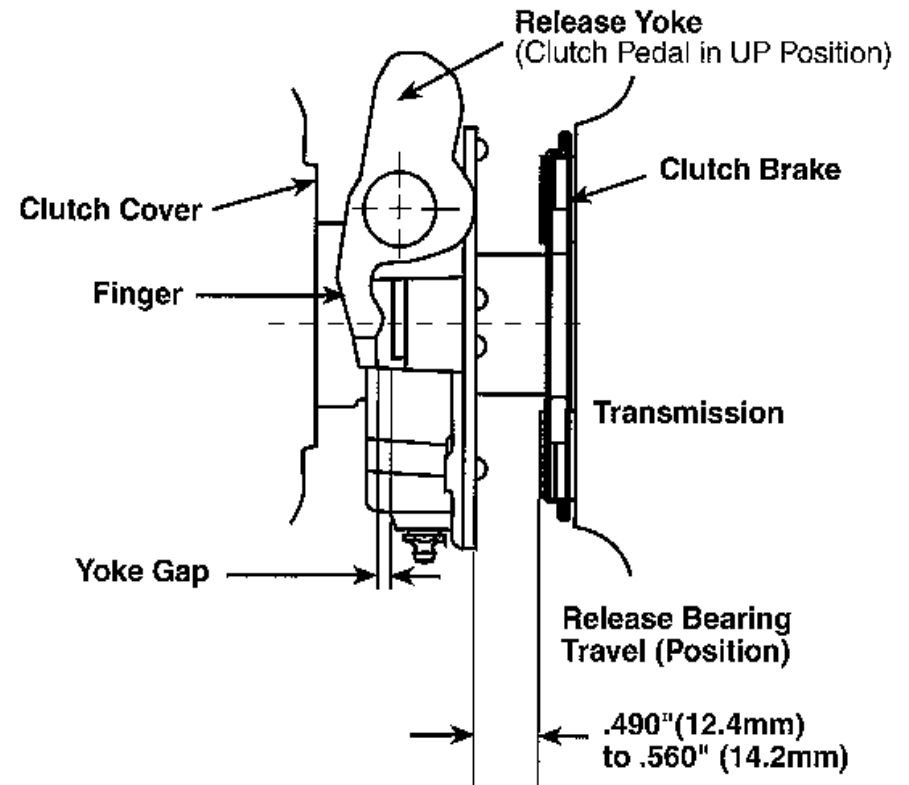
# SOLO Clutch Value Proposition

- SOLO Clutch is Eaton's self adjusting clutch
- SOLO eliminates the need for costly clutch adjustments – Reducing down time resulting in a decreased cost per mile for your customer
- SOLO is available in both REMAN and New Advantage versions



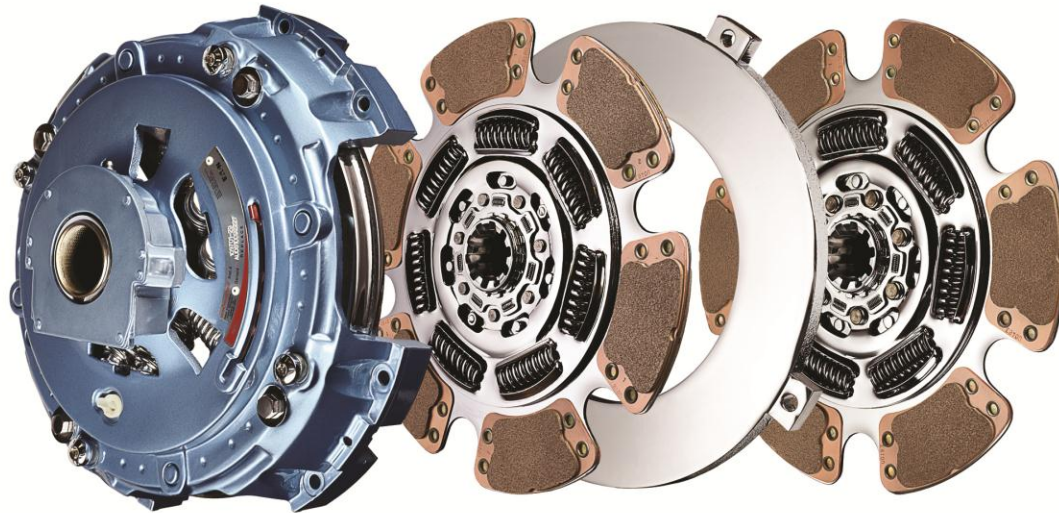
# SOLO Clutch Value Proposition

- Most clutch wear occurs on a manually adjusted clutch when the bearing moves out of position and is in need of adjustment.



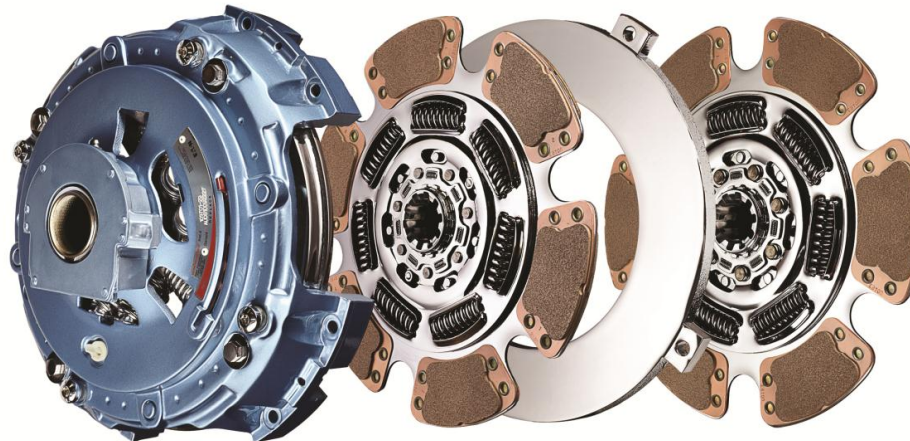
# SOLO Clutch Value Proposition

- A clutch out of adjustment slips, which creates heat and friction
- Heat & friction create wear, resulting in decreased service life.



# SOLO Clutch Value Proposition

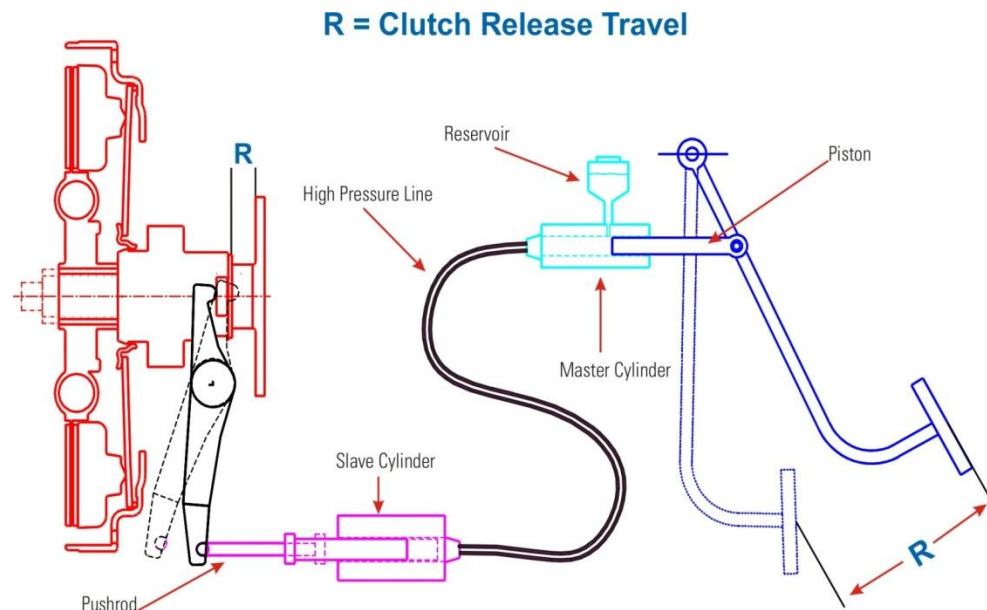
- Solo technology keeps the clutch in constant adjustment by maintaining proper bearing release position
- Preventing conditions that create excess heat and friction resulting in extended service life.



# SOLO with Trucks using Hydraulic Linkage

- SOLO is Specifically engineered to work with hydraulic linkages making it the best option for trucks with this technology

## Components of the Hydraulic Release System



# SOLO Clutch Value Proposition

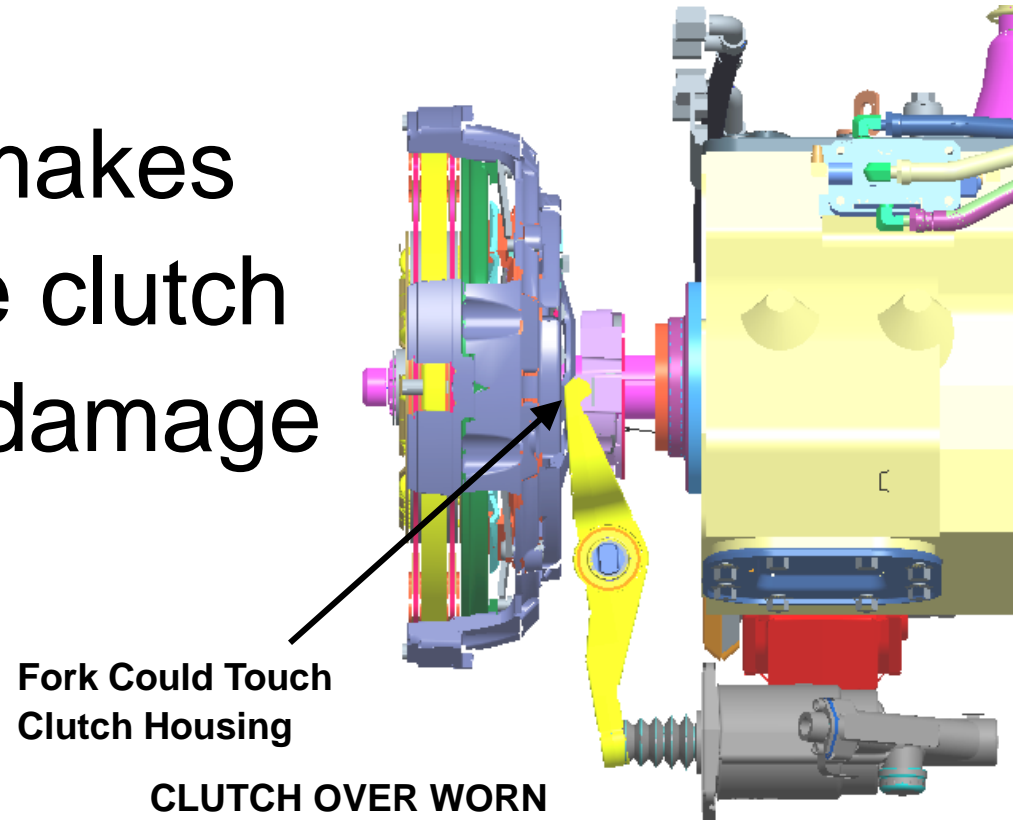
- With Hydraulic linkage the driver experiences consistent clutch pedal position, losing the ability to tell when his clutch may need an adjustment. (loss of free pedal)
- This could lead to clutch slippage and premature wear (reduced clutch life)
- If not addressed, the release fork can make contact with the clutch housing, causing more extensive damage



# Risk When Using Manual Clutch with Hydraulic Linkage

Key Hyd Differences: 1) Clutch bearing always has preload 2) Linkage self-adjusts

- If release fork makes contact with the clutch housing major damage can occur



Issues if clutch not adjusted: 1) Fork contact with clutch housing 2) Slipping



# Clutch Selector Located at Roadranger.com



## Eaton® Heavy-Duty Clutch Selector Roadranger® More time on the road\*

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



15.5 Inch Spline Diameter and No. of Splines	Flywheel Bore Opening	Number of Springs	Clutch Torque (must exceed engine torque)	Disc Type	Facing	Weight Each*	Genuine Eaton New				EverTough™ by Eaton	Remanufactured		ValueLine™							
							Easy Pedal Advantage™	Solo Advantage™	Easy Pedal Advantage™ with Pre-Damper	Solo Advantage™ with Pre-Damper	EverTough™ by Eaton	Solo®	Easy-Pedal™	ValueClutch™							
2" - 10"	7"	8	1070	DCF-CO-FT	Organic	150								107091-83B							
			1250	DCF-CO-FT	Organic	150								107091-77B							
			1400	DCF-CO-FT	4	150					108391-81AM		108391-81MO	107091-81B							
				DCF-CO-FT	Organic	150							108391-82MO								
	8.5"	10	9 (Mack and Volvo T1L & 13L)	1650	DCF-CO-FT	4	150					108391-74AM	109700-74MO	108391-74MO	107091-74B						
				1650	DCF-CO	4	150	208925-51	209701-51			108935-51AM	109700-61MO	108935-61MO	107935-51B						
				1650	DCF-CO	6	150	208925-91	209701-91			108935-61AM	109700-61MO	108935-61MO							
				1760	DCF-CO	6	150	208925-92	209701-92			108935-91AM		108935-91MO							
				7 (Mercedes)	7	7	1700	DCF-FT	4	150	208925-14	209701-14	208925-34	209701-34							
							1450	DCF	4	150	208925-80	209701-80									
							1700	DCF	4	150	208925-82	209701-82	208925-34	209701-34	108925-82AM	109700-82MO	108935-82MO	107925-82			
							1750	DCF-VCTplus	4	150	208925-85	209701-85	208925-29	209701-29							
							1760	DCF-VCTplus	6	150	208925-24	209701-24	208925-34	209701-34							
							1760	DCF-VCTplus	6	150	208925-19		208925-29	209701-29							
							1980	DCF-VCTplus	6	150	208925-20	209701-20	208925-30	209701-30		109700-20MO					
							1980	DCF-CO	6	150					108925-20AM						
	2" - 14	10"	7	2050	DCF-CO	6	150					108925-25AM									
				2050	DCF-VCTplus	6	150	208925-25	209701-25	208925-35	209701-35										
	14 Inch Spline Diameter and No. of Splines	7"	8	None	1000	ROF	Organic	110								107034-30B					
						DCF-CO-FT	3	110	108034-61B								108034-61MO	107034-61B			
4							110										107034-57B				
4							110	108034-82B									108034-82MO				
4							110	108050-59B						108050-59AM			108050-59MO	107050-59B			
2" - 10"						7"	8	None	1000	DCF-CO-FT	Organic	110	108034-61B								
										DCF-CO-FT	Organic	110									
										DCF-CO-FT	Organic	110	108034-82B								
										DCF-CO-FT-SD	4	110	108050-59B					108050-59AM			

\*Estimated Shipping Weight

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

- Choose from new or remanufactured.

Roadranger®



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

- Genuine Eaton:**
- Original Equipment
  - Premium Release Bearing (3 Zerks)
  - Longer Service Life/Less Downtime

- EverTough:**
- Aftermarket Specification
  - Value/Economy
  - All New Components

- Remanufactured:**
- Economy
  - Longer Service Life Compared to Rebuild
  - Dual Zerk

- ValueLine:**
- Economy
  - All New Components
  - Dual Zerk

Eaton Corporation • Truck Group • P.O. Box 4013 • Kalamazoo, MI 49003 • U.S.A. • www.roadranger.com/clutch



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