THE ROAD OF BEING

|T 5" Foundation Series
Lift Kit Instructions

Track bar bushing sleeve 80003 (2) Track bar bushing sleeve 80003 (2) Track bar bushing sleeve 80003 (2) Track bar damp \$9044 (1) 5/16-18 x z carriage bott gr5 (1) 5/16-18 ks z lange but (1) 5/16-18 ks z lange but gr5 (1) 5/16-18 ks z		1-877-919-JEEP WWW	u.ironr	ockoffroad.com
Iron Rock Off Road Logo Decal 10001 (1) Iron Rock Deca	Pa			
Ironrockoffroad.com decal (1) 5/16-18 x 2 carriage bolt gr5 (1				
5° Front coil spring 96040 (2) 5° Rear coil spring 96042 (2) JT 0-8' front track bar 77016 (1) Front Track bar threaded male end, joint installed 77013 (1) Track bar threaded male end 92004 (1) Front Savay bar link 1.75' center to center 92145 (2) JT 1.68' rear track bar 77031 (1) Front Way bar link 8.75' center to center 92145 (2) JT LCA Front 77060B (2) 16mm Bushing Installed LCA Front Male End, Straight 92186 (2) #85 - Adjustable LCA Clamping Hardware (1) 1/4"-28 hz nut, gr8 (4) #201 - Sway Bar Link Hardware (2) 3/4" hourglass bushing 94025 (4) 12mm sway bar bolt sleeve 92038 (4) M12 x 96 Hex bolt of 10.9 (2) 7/16 USS washer (4) #233 - 2 58" 6 Bolt 16mm P1242 (1) 10-32 x 1-34" Socket Haed Cap Screw (6) 10/32 Nylock Nut (6) 1/4"-28 90' Grease zerk Fitting (1) #235 - Front Track Bar Hardware (1) Track bar bushing half 80014 (2) Track Bar sushing half 80014 (2) Track Bar clamp 95044 (1) 5/16-18 x 2 carriage bolt gr5 (1) 5/16-18 to x Carriage bolt gr5 (1) 5/16-18 to x Carriage bolt gr5 (1) 5/36 - Rear Track Bar Hardware (1) #236 - Rear Track Bar Hardware (1) #238 - Rear Track Bar Hardware (1) 5/16-18 to x Carriage bolt gr5 (1) 5/16-18 to x Carriag		• , ,		
5" Rear coil spring 96042 (2) JT 0-8" front track bar 77016 (1) Tack bar 177016 (1) Front track bar 177016 (1) Front track bar 177016 (1) Front track bar 177031 (1) JT 0-8" rear track bar 77031 (1) Front track bar 177031 (1) Front Upper Shock Sleeve 79012 (2) Rear shock Sleeve 179012 (2) Front Upper Shock Sleeve 79012 (2) Front Upper Shock Sleeve 79012 (2) Front Upper Shock Sleeve 79012 (2) M12 x 70 Hex bott cl 10-9 (2) M12 x 70 Hex bott cl 10-9 (2) M12 x 70 Hex bott cl 10-9 (2) Front Upper Shock Sleeve, M14 79014 (4) Rear Shock Sleeve, M14 79014 (4) Rear Shock DT 8299 (2) Rear shock DT 8299 (2) Rear shock DT 8299 (2) Rear Shock Bleeve, M14 79014 (4) Rear Shock Bleeve R0008 (4) M12 x 50 Hex bott cl 10-9 (2) M12 x 57 Hex bott cl 10-9 (2) M12 x 70 Hex bot		· ·		
JT 0-8" front track bar 77016 (1)		· · · · · · · · · · · · · · · · · · ·	Sh	
Front Track bar threaded male end, joint installed 77013 (1)				
Rear shock 79005 (2)	_	or o o from track bar 77010 (1)		
#255 - JT Shock Hardware (1) Front Track bar threaded male end, joint installed 77013 (1) JT 0-8" rear track bar 77031 (1) Track bar threaded male end 92004 (1) Front sway bar link 8.75" center to center 92145 (2) Rear sway bar link 1.125" center to center 92145 (2) Rear sway bar link 1.125" center to center 92147 (2) JT LCA Front 77060B (2) Image:				· /
Front Track bar threaded male end, joint installed 77013 (1) JT 0-8" rear track bar 77031 (1) Front Upper Shock Mount Spacer 79013 (4) Front Sway bar link 11.25' center to center 92145 (2) Rear sway bar link 11.25' center to center 92147 (2) JT LCA Front 77060B (2) ISBN 28 par link 11.25' center to center 92147 (2) JT LCA Front 77060B (2) ISBN 29186 (2) ISBN 28 par link 11.25' center to center 92147 (2) M12 x 70 Hex bolt cl 10.9 (2) Front Sway bar link Bradware (1) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Rear shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Front Shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock DT 8371 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Bushing, 94025-BK-01 (4) M12 x 70 Hex bolt cl 10.9 (2) M12 x 70				
JT 0-8" rear track bar 77031 (1)		Front Track har threaded male end, joint installed 77013 (1)		
Track bar threaded male end 92004 (1)				
Front sway bar link 8.75" center to center 92145 (2) Rear sway bar link 11.25" center to center 92147 (2) JT LCA Front 77060B (2) 16mm Bushing Installed LCA Front Male End, Straight 92186 (2) #65 - Adjustable LCA Clamping Hardware (1) 1/4"-28 x 1-1/8" socket head cap screw (4) 1/4"-28 x 1-1/8" socket head cap screw (4) 1/4"-28 har nut, gr8 (4) 12mm sway bar bolt sleeve 92038 (4) M12 x 65 Hex bolt of 10.9 (2) 7/16 USS washer (4) 12mm sway bar bolt sleeve 92038 (4) M12 x 85 Hex bolt of 10.9 (2) 7/16 USS washer (4) #233 - 2 5/8" 6 Bolt 16mm Flex End Hardware (2) Inner race 91118 (2) Thrust washer 91119 (2) 2-5/8" Flex End Ball 16mm 91242 (1) 10-32 x 1-3/4" Socket Head Cap Screw (6) 10-32 x 1-3/4" Socket Head Cap Screw (6) 10-32 x 1-3/4" Socket Head Cap Screw (6) 17ack bar bushing sleeve 80003 (1) Track bar bushing sleeve 80003 (1) Track bar bushing sleeve 80003 (1) Track bar sushing sleeve 80003 (1) 5/16-18 x 2 carriage bolt gr5 (1) 5/16-18 tex flange nut (1) #236 - Rear Track Bar Hardware (1)		, ,		
Rear sway bar link 11.25" center to center 92147 (2) JT LCA Front 77060B (2) 16mm Bushing Installed LCA Front Male End, Straight 92186 (2) #65 - Adjustable LCA Clamping Hardware (1) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (4) 1/4"-28 k x 1-1/8" socket head cap screw (5) 1/4"-28 k x 1-1/8" socket head cap screw (6) 1/4"-28 yo° Grease zerk Fitting (1) 1/4"-28 yo° Grease zerk Fitting (1) 1/4"-28 yo° Grease zerk Fitting (1) 1/4"-28 x 1-1/8" socket head cap screw (6) 1/4"-28 x 1-3/4" socket head cap screw (6) 1/4"-28 yo° Grease zerk Fitting (1) 2/4"-28 yo° Grease zerk Fitting (1) 3/4" hourglass bushing sleeve 80003 (1) 1/4"-28 yo° Grease zerk Fitting (1) 1/4"-28 yo° Grease zerk Fitting (1) 2/5/6" Front Track Bar Hardware (1) 1/4"-28 yo° Grease zerk Fitting (1) 1/4"-28 yo° Grease zerk Fitting (1) 1/4"-28 yo° Grease zerk Fitting (1) 2/5/6" Front Track Bar Hardware (1) 1/4"-28 yo° Grease zerk Fitting (1) 1/4"-28 yo° Gre		* *		
JT LCA Front 77060B (2)		· · · · · · · · · · · · · · · · · · ·		
16mm Bushing Installed				
□ LCA Front Male End, Straight 92186 (2) □ #65 - Adjustable LCA Clamping Hardware (1) □ 1/4"-28 x 1-1/8" socket head cap screw (4) □ 1/4"-28 hex nut, gr8 (4) □ #201 - Sway Bar Link Hardware (2) □ 3/4" hourglass bushing 94025 (4) □ 12mm sway bar bolt sleeve 92038 (4) □ M12 x 95 Hex bolt cl 10.9 (2) □ 7/16 USS washer (4) □ #233 - 2 5/8" 6 Bolt 16mm Flex End Hardware (2) □ Inner race 91118 (2) □ Thrust washer 91119 (2) □ 2-5/8" Flex End Ball 16mm 91242 (1) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 1/4"-28 90" Grease zerk Fitting (1) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ \$7/16 USS washer (4) □ #235 - Rear Track Bar Hardware (1) □ 5/16-18 hex flange nut (1) □ \$7/16 USS washer (4) □ \$7/16 USS washer (4) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 1/4"-28 90" Grease zerk Fitting (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79013 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ Pront Upper Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79013 (4) □ Rear Shock Sleeve 79012 (2) □ Front Upper Shock Bushing, 94025-BK-01 (4) □ Rear Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79013 (4) □ Rear Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79012 (2) □ Rear Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79012 (2) □ Rear Shock Sleeve 79012 (2) □ Re	_			
#65 - Adjustable LCA Clamping Hardware (1)	П	· · · · · · · · · · · · · · · · · · ·		()
1/4"-28 x 1-1/8" socket head cap screw (4)				
1/4"-28 hex nut, gr8 (4) #201 - Sway Bar Link Hardware (2) Front Upper Shock Sleeve 79012 (2) Front Upper Shock Sleeve 79013 (4) Front Upper Shock Sleeve 79013 (4) Rear Shock Sleeve, M14 79014 (4) Rear Shock Sleeve, M14 79014 (4) Rear Shock Bushing, 94025-BK-01 (4) M12 x 70 Hex bolt cl 10.9 (2) M12 Nylock nut (2) M12 Nylock nut (2) M12 Nylock nut (2) 7/16 USS washer (4) Bilstein Upgrade (Optional) Front shock 33-185552 (2) Rear shock 33-104652 (2) Rear Shock Sleeve 79008 (4) M235 - Front Track Bar Hardware (1) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Bushing, 94025-BK-01 (4) M12 x 70 Hex bolt cl 10.9 (2) 7/16 USS washer (4) M12 Nylock nut (2) 7/16 USS washer (4) M12 Nylock nut (2) M12 mx 1.49" Shock Hardware (1) Front Upper Shock Sleeve 79008 (4) M235 - Front Track Bar Hardware (1) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) Front Upper Shock Mount Spacer 79013 (4) Rear Shock Sleeve 79012 (2) M12 x 70 Hex bolt cl 10.9 (2)	_			_
#201 - Sway Bar Link Hardware (2)				#255 – JT Shock Hardware (1)
□ 3/4" hourglass bushing 94025 (4) □ 12mm sway bar bolt sleeve 92038 (4) □ M12 x 65 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4) □ #233 - 2 5/8" 6 Bolt 16mm Flex End Hardware (2) □ Inner race 91118 (2) □ Thrust washer 91119 (2) □ 2-5/8" Flex End Ball 16mm 91242 (1) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 Nylock Nut (6) □ 1/4"-28 90° Grease zerk Fitting (1) □ Track bar bushing half 80014 (2) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ 5/16-18 hex flange nut (1) □ #236 - Rear Track Bar Hardware (1) □ 7/16 USS washer (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ Rear Shock 33-104652 (2) □ 7/16 USS washer (4) □ Bilstein Upgrade (Optional) □ Front shock 33-185552 (2) □ Rear shock 33-104652 (2) □ #231 - JL Bilstein Shock Hardware (1) □ 12mm x 1.49" Shock Sleeve 79008 (4) □ #235 - JT Shock Hardware (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Mount Spacer 79013 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock 33-185552 (2) □ Rear shock 33-104652 (2) □ 7/16 USS washer (1) □ 12mm x 1.49" Shock Sleeve 79008 (4) □ #235 - JT Shock Hardware (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ Front Upper Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)	П	, , , , , ,		☐ Front Upper Shock Sleeve 79012 (2)
□ 12mm sway bar bolt sleeve 92038 (4) □ M12 x 65 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4) □ #233 - 2 5/8" 6 Bolt 16mm Flex End Hardware (2) □ Inner race 91118 (2) □ Thrust washer 91119 (2) □ 2-5/8" Flex End Ball 16mm 91242 (1) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 Nylock Nut (6) □ 1/4"-28 90° Grease zerk Fitting (1) □ Track bar bushing half 80014 (2) □ Track bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ 5/16-18 hex flange nut (1) □ #236 - Rear Track Bar Hardware (1)	_			☐ Front Upper Shock Mount Spacer 79013 (4)
□ M12 x 65 Hex bolt cl 10.9 (2) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 Nylock nut (2) □ M12 x 70 Hex bolt cl 10.9 (2) □ 7/16 USS washer (4) □ M12 Nylock nut (2) □ Inner race 91118 (2) □ 7/16 USS washer (4) □ Thrust washer 91119 (2) □ Front shock 33-185552 (2) □ Rear shock 33-104652 (2) □ Rear shock 33-104652 (2) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 12mm x 1.49" Shock Hardware (1) □ 12mm x 1.49" Shock Sleeve 79008 (4) □ 12mm x 1.49" Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve, M14 79014 (4) □ Track bar bushing sleeve 80003 (1) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 x 70 Hex bolt cl 10.9 (2) □ Front Upper Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 x 70 Hex bolt cl 10.9 (2) □ Front Upper Shock washer (4) □ M12 x 70 Hex bolt cl 10.9		<u> </u>		Rear Shock Sleeve, M14 79014 (4)
□ M12 Nylock nut (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4) □ M12 Nylock nut (2) □ #233 - 2 5/8" 6 Bolt 16mm Flex End Hardware (2) □ 7/16 USS washer (4) □ Inner race 91118 (2) □ Front shock 33-185552 (2) □ Thrust washer 91119 (2) □ Rear shock 33-104652 (2) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 12mm X 1.49" Shock Hardware (1) □ 1/4"-28 90° Grease zerk Fitting (1) □ Front Upper Shock Sleeve 79008 (4) #235 - Front Track Bar Hardware (1) □ Front Upper Shock Mount Spacer 79013 (4) □ Track bar bushing half 80014 (2) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ #236 - Rear Track Bar Hardware (1) □ M12 Nylock nut (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)				Rear Shock Bushing, 94025-BK-01 (4)
☐ 7/16 USS washer (4) ☐ #233 - 2 5/8" 6 Bolt 16mm Flex End Hardware (2) ☐ Inner race 91118 (2) ☐ Thrust washer 91119 (2) ☐ 2-5/8" Flex End Ball 16mm 91242 (1) ☐ 10-32 x 1-3/4" Socket Head Cap Screw (6) ☐ 10-32 Nylock Nut (6) ☐ 1/4"-28 90° Grease zerk Fitting (1) ☐ Track bar bushing half 80014 (2) ☐ Track bar bushing sleeve 80003 (1) ☐ Track Bar clamp 95044 (1) ☐ 5/16-18 x 2 carriage bolt gr5 (1) ☐ 5/16-18 hex flange nut (1) ☐ #236 - Rear Track Bar Hardware (1) ☐ #237 - Front Upper Shock Mount Spacer 79013 (4) ☐ Rear Shock Bushing, 94025-BK-01 (4) ☐ M12 Nylock nut (2) ☐ 7/16 USS washer (4)				
☐ #233 - 2 5/8" 6 Bolt 16mm Flex End Hardware (2) ☐ Inner race 91118 (2) ☐ Thrust washer 91119 (2) ☐ 2-5/8" Flex End Ball 16mm 91242 (1) ☐ 10-32 x 1-3/4" Socket Head Cap Screw (6) ☐ 10-32 Nylock Nut (6) ☐ 1/4"-28 90° Grease zerk Fitting (1) ☐ Track bar bushing half 80014 (2) ☐ Track bar bushing sleeve 80003 (1) ☐ Track Bar clamp 95044 (1) ☐ 5/16-18 x 2 carriage bolt gr5 (1) ☐ 5/16-18 hex flange nut (1) ☐ #236 - Rear Track Bar Hardware (1) ☐ #236 - Rear Track Bar Hardware (1) ☐ 7/16 USS washer (4) ☐ Bilstein Upgrade (Optional) ☐ Rear shock 33-104652 (2) ☐ Rear shock 33-104652 (2) ☐ #231 - JL Bilstein Shock Hardware (1) ☐ 12mm X 1.49" Shock Sleeve 79008 (4) ☐ #255 - JT Shock Hardware (1) ☐ Front Upper Shock Sleeve 79012 (2) ☐ Rear Shock Sleeve, M14 79014 (4) ☐ Rear Shock Sleeve, M14 79014 (4) ☐ M12 x 70 Hex bolt cl 10.9 (2) ☐ M12 Nylock nut (2) ☐ 7/16 USS washer (4)				☐ M12 Nylock nut (2)
□ Inner race 91118 (2) □ Thrust washer 91119 (2) □ 2-5/8" Flex End Ball 16mm 91242 (1) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 Nylock Nut (6) □ 1/4"-28 90° Grease zerk Fitting (1) □ Track bar bushing half 80014 (2) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ #236 - Rear Track Bar Hardware (1) □ #237 - Front Track Bar Hardware (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Mount Spacer 79013 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)				
□ Thrust washer 91119 (2) □ 2-5/8" Flex End Ball 16mm 91242 (1) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 Nylock Nut (6) □ 1/4"-28 90° Grease zerk Fitting (1) □ Track bar bushing half 80014 (2) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ #236 - Rear Track Bar Hardware (1) □ #237 - Front Track Bar Hardware (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Sleeve 79013 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)	ч			Bilstein Upgrade (Optional)
□ 2-5/8" Flex End Ball 16mm 91242 (1) □ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 Nylock Nut (6) □ 1/4"-28 90° Grease zerk Fitting (1) □ Track bar bushing half 80014 (2) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ #236 - Rear Track Bar Hardware (1) □ #237 - Front Track Bar Hardware (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Mount Spacer 79013 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Sleeve, M14 79014 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)				Front shock 33-185552 (2)
□ 10-32 x 1-3/4" Socket Head Cap Screw (6) □ 10-32 Nylock Nut (6) □ 1/4"-28 90° Grease zerk Fitting (1) □ 1/4"-28 90° Grease zerk Fitting (1) □ Track bar bushing half 80014 (2) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ 5/16-18 hex flange nut (1) □ #236 - Rear Track Bar Hardware (1) □ #236 - Rear Track Bar Hardware (1) □ #237 - JL Bilstein Snock Hardware (1) □ 12mm X 1.49" Shock Sleeve 79008 (4) #255 - JT Shock Hardware (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Mount Spacer 79013 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)				☐ Rear shock 33-104652 (2)
□ 10-32 Nylock Nut (6) □ 1/4"-28 90° Grease zerk Fitting (1) □ #235 - Front Track Bar Hardware (1) □ Track bar bushing half 80014 (2) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ 5/16-18 hex flange nut (1) □ #236 - Rear Track Bar Hardware (1) □ #236 - Rear Track Bar Hardware (1) □ #236 - Rear Track Bar Hardware (1) □ #237 Shock Sleeve 79006 (4) #255 - JT Shock Hardware (1) □ Front Upper Shock Sleeve 79012 (2) □ Front Upper Shock Mount Spacer 79013 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)				#231 – JL Bilstein Shock Hardware (1)
□ 1/4"-28 90° Grease zerk Fitting (1) □ #235 - Front Track Bar Hardware (1) □ Track bar bushing half 80014 (2) □ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ 5/16-18 hex flange nut (1) □ #236 - Rear Track Bar Hardware (1) □ #236 - Rear Track Bar Hardware (1) □ #237 Shock Hardware (1) □ Front Upper Shock Mount Spacer 79013 (4) □ Rear Shock Sleeve, M14 79014 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)				☐ 12mm X 1.49" Shock Sleeve 79008 (4)
#235 - Front Track Bar Hardware (1) Track bar bushing half 80014 (2) Track bar bushing sleeve 80003 (1) Track Bar clamp 95044 (1) 5/16-18 x 2 carriage bolt gr5 (1) 5/16-18 hex flange nut (1) #236 - Rear Track Bar Hardware (1)				#255 – JT Shock Hardware (1)
Track bar bushing half 80014 (2) Track bar bushing sleeve 80003 (1) Track Bar clamp 95044 (1) 5/16-18 x 2 carriage bolt gr5 (1) 5/16-18 hex flange nut (1) #236 - Rear Track Bar hardware (1)		3 ()		☐ Front Upper Shock Sleeve 79012 (2)
□ Track bar bushing sleeve 80003 (1) □ Track Bar clamp 95044 (1) □ 5/16-18 x 2 carriage bolt gr5 (1) □ 5/16-18 hex flange nut (1) □ #236 - Rear Track Bar Hardware (1) □ Track Bar block Gleeve, M14 73014 (4) □ Rear Shock Bushing, 94025-BK-01 (4) □ M12 x 70 Hex bolt cl 10.9 (2) □ M12 Nylock nut (2) □ 7/16 USS washer (4)	ч			
☐ Track Bar clamp 95044 (1) ☐ 5/16-18 x 2 carriage bolt gr5 (1) ☐ 5/16-18 hex flange nut (1) ☐ #236 - Rear Track Bar Hardware (1) ☐ Track Bar clamp 95044 (1) ☐ M12 x 70 Hex bolt cl 10.9 (2) ☐ M12 Nylock nut (2) ☐ 7/16 USS washer (4)				Rear Shock Sleeve, M14 79014 (4)
□ 5/16-18 x 2 carriage bolt gr5 (1) □ 5/16-18 hex flange nut (1) □ #236 - Rear Track Bar Hardware (1)				Rear Shock Bushing, 94025-BK-01 (4)
□ 5/16-18 hex flange nut (1) □ 7/16 USS washer (4) □ #236 - Rear Track Bar Hardware (1)		1 ()		
#236 - Rear Track Bar Hardware (1)				
				7/16 USS washer (4)
□ I rack par busning nair 80014 (4)	_			
		☐ Track par busning nair 80014 (4)	1	

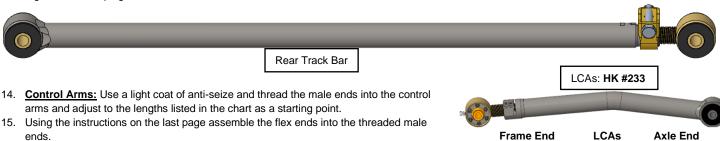


Before you begin:

- ***Ensure that all parts are present and in good condition using above shipping checklist. *** Read and understand all installation instructions.
- Tools required:
 - Floor iack and iack stands
 - Basic hand tools
 - Torque wrenches capable of 70-85 in-lb and 75-130 ft-lb
 - Medium thread locker
 - Anti-seize compound
 - Multipurpose grease
 - ☐ 7/16" drill bit and drill

Prepare the parts for installation:

- Front Shocks: Locate the front shocks (shorter) and HK #255.
- Grease and install the long sleeve into the top bushing of the front shocks. The long sleeve should be 2. approximatly in the center of the bushing.
- 3. Grease and install the short shock sleeves (included with shocks) into the bottom bushing.
- 4. Rear Shocks: Locate the rear shocks (longer) and HK #255.
- 5. Remove the bushings from the included shocks.
- Grease and install the new shock bushings. 6.
- Grease and install the new M14 shock sleeves. 7.
- Track Bars: Locate front track bar, HK #235 and track bar threaded male end with joint installed. 8.
- Locate rear track bar, HK #236 and track bar threaded male end. 9.
- 10. Lubricate track bar bushings and bushing sleeves with multi-purpose grease and install into track bars.
- 11. Slip clamping bracket onto adjusting end of track bar with the opening up and insert the 5/16 carriage bolt from rear and nut facing forward.
- 12. Apply anti-seize and thread the track bar male end into the track bar and adjust to length listed in the chart as a starting point.
- 13. Tighten the clamping bracket.



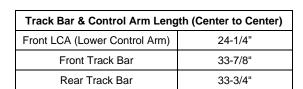
- 16. Install 1/4"clamping bolts (HK #65) in the lower control arms, do not tighten at this time.
- 17. Sway Bar Links: Grease and install the hourglass bushings into the links. HK #201
- 18. Grease and install the sway bar link bolt sleeves into the bushings. All sleeves are the same (12mm I.D.).

Front installation:

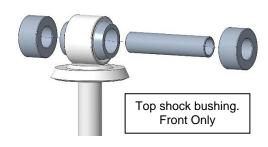
- 19. Lift front of vehicle and support with jack stands under frame rails.
 - **Tip: break lug nuts loose before lifting vehicle.
- 20. Remove front wheels
- 21. Remove front sway bar links.
- 22. Support front axle with jack stands and remove shocks.
- 23. Remove front track bar.
- 24. Remove factory lower control arms.
- Loosen factory upper control arms.
- 26. Remove coil springs.
- 27. Install new lower contol arms using the factory hardware. Do not tighten bolts at this time. The bend goes up for ground clearance. The rubber bushing goes to the axle and the flex end at the frame.
- 28. Install new coil springs.
- Install new shocks with a new M12 x 70 bolt at the bottom. HK #255
- 30. Install new front sway bar links.
- 31. Install new front track bar, threaded end to axle side. The clamp faces up, nut facing front.
- 32. Lower vehicle onto jack stands.

Rear installation:

- 33. Lift rear of vehicle and support with jack stands under frame rails.
 - **Tip: break lug nuts loose before lifting vehicle.
- 34. Remove rear wheels.
- 35. Remove sway bar links.
- 36. Support the rear axle with jack stands and remove shocks.
- 37. Remove track bar.
- 38. Remove coil springs.
- 39. Loosen factory lower control arms.
- 40. Loosen factory upper control arms.
- 41. Install new springs.







- 42. Install new shocks.
- 43. Install new track bar, adjustable end at the frame.
- 44. Install new sway bar links.
- 45. Lower vehicle onto jack stands.

Final Torque and Adjustments:

- The draglink must be adjusted to center the steering wheel before driving the vehicle. Failure to do so will cause an error with the factory traction control system and will result in odd handling and decreased performance.
- 47. Check that axles are centered side to side and adjust track bars as needed.
- 48. Raise vehicle and reposition jack stands under the front and rear axles.
- Temporarily install a tire on one side.
- 50. Verify that the axle is centered as desired front to rear. Check caster before adjusting.
- Check caster angle. Using a laser level or string level, set the front axle level to the rear axle (left side and right). Bounce

	the Jeep up and down to ensure the suspension is in resting position (at exact ride height). Place the angle finder under the	
	axle "C" (or on top of the upper ball joint). Ensure the angle finder is parallel to the Jeep front to rear. This is your caster	,
	angle. See chart for desired setting.	
52.	Adjust control arms to the desired position.	4" c
	To a first and a front to make a first common and become another borne by the common and 40 times a small and both	

- To adjust axle front to rear, adjust upper and lower control arms by the same amount. 12 turns equal one inch.
- To adjust only caster, adjust only the upper control arms (3 turns equals roughly 2 degrees).
- To adjust both, adjust both at the same time.





Caster Angle

(Starting point)

Caster

 6.5° 5°

Lift Height

2.5" 3.5"

or more

Caster angle may need to be adjusted after a test drive to eliminate driveline vibrations.

- 56. With the vehicle weight on the suspension, tighten front lower control arm bolts to 130 lb-ft. Tighten front upper control arm bolts to 75 lb-ft.
- 57. Tighten rear upper and lower control arm bolts to 130 lb-ft.
- Install wheels and torque lug nuts to factory spec. (85 to 115 ft-lbs)
- Ensure flex ends are parallel with control arm mounts then torque lower control arm clamping bolts to 140 in-lb. Be sure to go back and forth between both bolts several times to ensure even clamping.
- Check all components for clearance for suspension to fully cycle up and down and wheels to turn lock to lock. Pay special attention to brake lines, axle vent hoses, and ABS wires. Reposition as needed by bending the brackets, relocating, or extending hoses and wiring.

Final Safety Warning:

* Re-torque all fasteners after 100 miles, and frequently inspect all safety critical suspension components. It is the responsibility of the installer to be sure all fasteners are properly tightened after installation and to ensure the owner knows his/her ongoing responsibility. It is the responsibility of the owner of the vehicle to be sure all safety critical components are inspected frequently, especially after off road or other demanding use.



This flex end is ONLY for the front LCAs of the Wrangler JL & Gladiator JT and rear LCAs & UCAs on the Gladiator JT. This flex end uses a larger 16mm through bolt. Do not confuse it with HK #127

Before you begin:

- Read and understand installation instructions.
- Contact Iron Rock Off Road with any questions before, during, or after installation. 0
- Ensure that all parts are present and in good condition per attached shipping checklist! 0
- Have these tools handy: 0
 - 5/32" Allen head socket
 - 3/8" open end wrench
 - Inch-lb. torque wrench
 - Multipurpose grease/grease gun

Parts Checklist:

Outer housing, weld on (may already be attached to your existing control arm)

#233 - 2-5/8" IRO Flex End (6 bolt)

- 2-5/8" flex end race 91118 (2)
- ☐ Thrust washer 91119 (2)
- 2-5/8" flex end ball 16mm 91242 (1)
- □ #10-32 nylock nut (7)
- #10-32 x 1-3/4" socket head cap screw (6)
- □ 90° ¼"-28 grease zerk fitting (1)

Assembly:

- Insert two #10-32 socket head cap screws into one thrust washer and one plastic race. Spherical bore of race facing away from thrust washer. (Figure 1)
- 2. Install this small assembly into the flex end housing. The races are a light press fit, use a wide punch and hammer to assist you if needed.
- 3. Apply a thin coating of multi-purpose grease to the mating surfaces of the ball and both races.
- Place the ball in the race (inside the flex end). The ball should perfectly fit the contour of the race. (Figure 2)
- Insert the other race onto the ball so that the spherical bore is contacting the ball. Once again, the races are a light press fit, use a hammer and wide punch if needed. (The two screws should be through one washer and both races at this point)
- Insert the second thrust washer on top of the flex end housing, sliding the bolts through the holes. (Figure 3)
- Start nylock nuts on the two bolts that are in the flex end assembly. Hold the nut and turn the bolt.
- Insert the remaining four cap screws through the remaining holes and install nuts. (Figure 4)
- Snug up all of the bolts fairly tight. 9.
- 10. Torque bolts evenly, starting at one bolt and continuing using a crisscross pattern. Torque all six bolts to 70 in-lbs., then to 85 in-lbs.
- 11. Install 90° grease zerk fitting so that it is easily accessed in the vehicle.
- 12. Grease flex end until grease comes out of the races around the ball.
- Re-torque bolts to 85 in-lbs. after 5 minutes.



Reference Only Complete joint shown fully assembled without housing









