INFORMATION Redacted PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552(B)(6)

RQ16-001

FORD

12/9/2016

APPENDIX K

Question 11 - F150 Brake System Charts

NHTSA Inquiry RQ16-001 / :NEF-120mjI Question 11

Green - Same design subject & peer vehicles

Yellow - Different design subject & peer vehicles

	Subject Vehicle	Peer Vehicles	
	2015/2016 F150 3.5L GTDI	2015/2016 F150 (2.7L GTDI/3.5L TiVCT/5.0L)	
GVW	**Vehicle GVW**	**Vehicle GVW**	
	6601 to 7850	**Upto 6600**	**6601 to 7850**
Front Caliper	2x54 Twin piston 54mm Ø	2x54 Twin piston 54mm Ø	
Front Rotor	350mmx34mm	350mmx34mm	
Rear Caliper	Mechanical Drum In Hat Park Brake 1x54mm Single piston 54mm Ø	1x54 Electric Integral Park Brake Single piston 54mm Ø	Mechanical Drum In Hat Park Brake 1x54mm Single piston 54mm Ø
Rear Rotor	348mmx25mm	336mmx22mm	348mmx25mm
Actuation	10" x 10" Tandem booster Gain: 11.0 Output rod extends out 12.9mm beyond booster front shell (Booster/Master cylinder mating surface)	10" x 10" Tandem boosters Tuned for powertrains Gain: 11.0 Output rod is recessed 11.2mm inside the booster front shell (Booster/Master cylinder mating surface)	10" x 10" Tandem boosters Tuned for powertrains Gain: 11.0 Output rod extends out 12.9mm beyond booster front shell (Booster/Master cylinder mating surface)
Master Cylinder	Step Bore Tandem Master cylinder 34.93mm/30.16mm x 44.5mm	Straight Bore Tandem master cylinder 31.75mmx44.5mm	Step Bore tandem master cylinder 34.93mm/30.16mm x 44.5mm
Pedal Ratio	3.5	3.5	
Vacuum	Engine driven mechanical vacuum pump	2.7L GTDI - Engine driven mechanical vacuum pump	2.7L GTDI - Engine driven mechanical vacuum pump 6650-6900 GVW only
		3.5L TiVCT - Intake manifold plus aspirator-boosted vacuum	5.0L - Intake manifold plus aspirator-boosted vacuum
Hydraulic Circuits	Front/Rear Split	Front/Rear Split	
Brake Fluid	Dot 4	Dot 4	

RQ16-001

FORD

12/9/2016

APPENDIX K

Question 12 - F150 Brake System Charts

NHTSA Inquiry RQ16-001 / :NEF-120mjl Question 12

Green - Same design subject & 16S24 vehicles
Yellow - Different design subject & 16S24 vehicles

	Subject vehicle	16S24 Recall vehicles	
	2015/2016 F150 3.5L GTDI	2013 F150 3.5L GTDI	2014 F150 3.5L GTDI
Front Caliper	2x54 Twin piston 54mm Ø	2x54 Twin piston 54mm Ø	2x54 Twin piston 54mm Ø
Front Rotor	350mmx34mm	350mmx34mm	350mmx34mm
Rear Caliper	Mechanical Drum In Hat Park Brake 1x54mm Single piston 54mm Ø	Mechanical Drum In Hat Park Brake 1x54mm Single piston 54mm Ø	Mechanical Drum In Hat Park Brake 1x54mm Single piston 54mm Ø
Rear Rotor	348mmx25mm	348mmx25mm	348mmx25mm
Actuation	10" x 10" Tandem booster Gain: 11.0	9.5"x 9.5" Tandem booster Gain: 10.8	9.5"x 9.5" Tandem booster Gain: 10.8
Master Cylinder	Step Bore Tandem Master cylinder 34.93mm/30.16mm x 44.5mm	Step Bore Tandem Master cylinder 34.93mm/30.16mm x 44.5mm	Step Bore Tandem Master cylinder 34.93mm/30.16mm x 44.5mm
Pedal Ratio	3.5	3.5	3.5
Vacuum	Engine driven mechanical vacuum pump	Engine driven mechanical vacuum pump	Engine driven mechanical vacuum pump
Hydraulic Circuits	Front/Rear Split	Front/Rear Split	Front/Rear Split
Brake Fluid	Dot 4	Dot 3	Dot 4