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# MiscRes: Harley and Buell Technical Service Bulletins (TSB), (B)

## **Harley**

See the Misc Resource Section on the Sportsterpedia main Tech Page for a list of P&A Bulletins, Tech Tips etc.



- The following Technical Service Bulletins were issued by Harley-Davidson to their dealer network. To the best of our ability, these bulletins have been displayed as issued. The Sportsterpedia is displaying these bulletins as PDFs for information only. End users are fully responsible for the results of evaluating and using this information. The Sportsterpedia makes no claims of accuracy, applicability or authentication of the information presented in these bulletins.
- Ever wonder just how many Service Bulletins were issued for Sportsters? The difficulty is that there was no numbering system involved to distinguish the separate models. Hence, the bulletin numbers related to all HD models skip around. A list of 'to date available' bulletins were published from time to time in the form of a Service Bulletin.
- Below is a list of known Service Bulletins from the MoCo. More will be added when discovered. Those related to Sportsters or All Models are highlighted to be more searchable. The complete list also shows you what other issues the MoCo was dealing with at the time. 1) 2) 3)
- The header block on the top of the bulletins includes HD branding, bulletin number and date of issue. Some bulletins have AMF branding even before the date that AMF took over the company. TSB #458 explains that older bulletins (reprints) could be requested by a dealership and gives a listing of those available at the time. This may be why there are a few pre-AMF bulletins with the AMF logo in the header block (old bulletin reprinted and branded by AMF). TSB #597 shows both headers for that bulletin as example.
- Note that you can create a PDF of this page (with our listing of TSBs). CLICK on the 'export:pdf' in

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the menu tabs at the top of this page. Then choose to 'save' the file to a convenient location. You can then print your PDF as a booklet.

- The Table of Contents will allow you to jump into the middle of the listing.
- You can search the page using Ctrl-f. Ctrl-Home will take you to the top of the page Ctrl-End to the end of the page.
- These files open best when using Adobe Reader. On some PDF viewer programs other than Adobe, they may not open properly. Click here to download the latest version of Adobe Reader. You can also find other PDF viewer programs on the net that will open them. Some of the bulletins have a security lock from editing them but all will open for viewing in Adobe.
- When you click on one of the PDFs, Adobe Reader will load and proceed to download the chosen bulletin.

This could take some time on slow connections as some of the bulletins are larger than others.

#### **TSB 00-99**

HARLEY TECHNICAL SERVICE BULLETINS				
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
0065	Y	2-18-1918	Singles and Twins	Directions for Timing Harley- Davidson Motors
	Notes:	Explains valve lift	, timing of valves, s generato	park, breather valve, cams and ors.

#### **TSB 100-199**

HARLEY TECHNICAL SERVICE BULLETINS				
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
121J		2-20-1951	FL, FLH	3-Brush Fan-Cooled Heavy-Duty Generator Wiring Diagram
	Notes:	1949 twins, (Model 48) Int	ernal wiring connections	
121K		2-20-1951	FL, FLH	2-Brush Fan-Cooled Heavy-Duty Generator Wiring Diagram (Radio)
	Notes:	1950-1951 Twins, (Model 4	18) internal wiring conne	ections
121M	Y	11-14-1955	K, KH	Two - Brush Fan-Cooled Generator
	Notes: Descriptions of wiring connections			
121N	Y	11-14-1955	FL, FLH	Standard Generator, Big Twin, Diagram (Mode I 32E)

Notes: 1932-E1952 twins (except K & KH models), internal wiring connections				al wiring connections
1210	Y	11-14-1955	FL, FLH	Model 52 Standard Generator, Diagram
Notes: Late 1952 and later twins (except K & KH models) internal wiring connections				S
121P	Y	10-18-1963	6 Volt Generator	Model 58 and 61 6v Generator, Diagram
	Notes:			
121Q	Y	10-18-1963	12 Volt Generator	Model 64 Generator, Diagram
	Notes:		•	

## **TSB 200-299**

	HARLE	Y TECHNICAL	SERVICE B	ULLETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
225		8-15-1941	EL, UL, FL FLH, KL	Oversize Wheel Mounting Socket Screw for (61, 74 OHV's) & (80, 45 SV's)	
	Notes:	Method for installing in str	ipped hole		
260		7-1-1947	FL, FLH	74 OHV Engine Fitting Specs (1941-1947)	
	Notes:	Piston, cam gear, piston p	in, lower connecting	rod bearing	
260A		7-1-1950	EL	61 OHV Engine Fitting Specs (1936-1947)	
	Notes:	Piston, oil pump drive shaft, flywheel, tappet guides			
260B		7-1-1947	U, UH	74 & 80 Side Valve Engine Fitting Specs (1937 and later models)	
	Notes:	Piston, ring gap, sprocket shaft			
260C		7-1-1947	U, UH	74 & 80 Side Valve Engine Fitting Specs (1930-1036)	
	Notes:	Bearing, sprocket shaft, valve tappets, piston, lower connecting rod			
260D		7-1-1947	WL	45 Side Valve Engine Fitting Specs(1937 and Later)	
Notes: Piston clearance, pinion gear shaft, sprocket shaft, tappet guides				haft, tappet guides	
2601		1-3-1956	EL, FL	1948-1952 61 c.i. & 1948-1954 74 c.i. Engine Fitting Specs	
	Notes:				

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260J	Y	1-3-1956	FL, FLH	74 OHV Engine Fitting Specs (1955 and Later)
	Notes:	Piston clearance, lower co	nnecting rod bearing	g, pinion gear shaft
263		11-12-1947	EL, FL, FLH	Service Info on Hydraulic Push Rods (1948 OHV Engines)
	Notes:	Hydraulic pushrods, adjust	ting tappets, servicir	ng pushrods
292A		1-3-1956	S	125 Model Fitting Specifications
	Notes:	Piston clearance, spark plug gap		
295		11-1-1949	S	Flywheel and Connecting Rod Assembly Tool Set for Model 125
Notes: Description of tools and procedure				
295A		11-23-1955	B, ST	Adapter Kit for Model 165 and Hummer Flywheels
	Notes: Description of tools and procedures			

## **TSB 300-349**

	HARL	EY TECHNICA	L SERVICE B	ULLETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
301		3-1-1950	All	Fan-Cooled Generator	
	Notes:	Air intake screw installat	ion causes damage if in	correctly installed	
310		10-1-1950	FL, FLH, G, GA	Hydra-Glide Fork Slider Bushing Tools	
	Notes:	Tool set, removal and ins	stallation of slider bushi	ngs	
313 313A	Y	1-17-1951 12-10-1951	AII	Regulator Service Information	
	Notes:	With this bulletin, we are sending Delco-Remy Service bulletins 1Rll5 and 1Rll6 containing service info on regulators used on Harleys from L1938 to date.			
322		10-1-1951	FL, FLH, G, GA	Filler Can for Re-oiling Fork	
	Notes:	How to make and use filler cam components			
323		10-1-1951	EL, FL, FLH	OHV Model Foot Shift	
	Notes:	Transmission foot shift co	over assembly & disasse	embly	
328	Υ	6-4-1952	AII	Cylinder Reboring Piston Fitting	
	Notes:	Standard Dimensions			
330		4-18-1052	FL	Screen and Check Valve Oil Passage to OH Fittings Hydraulic Push Rods	

	No	otes: Purpose of screer	n, check valve in passage,	servicing		
332	Y	4-23-1952	K Model	Fitting Specifications		
	No	otes: Engine, transmiss	Engine, transmission, frame, electrical			
337	Y	12-17-1952	K Model	Installing Brake Linings		
	No	otes: somewhat	d in K models beginning w gs used in earlier "K" mode	rith later 1952 production are els.		
345	Υ	1-15-1954	1952-1953 K, KK, KRM	Servicing Transmissions		
	No	otes: Modified transmis	ssion gears replacement			
346 346A	Y	3-1-1954 6-1-1954	1954 K Model	Fitting Specs		
	No	otes: Engine, transmiss	Engine, transmission, frame, generator, brakes, etc			
347	Y	9-29-1954	KRM, KHRM	Installing Lighting Equipment (Magneto Equipped)		
	No	otes: Wiring Diagram				
348		9-27-1954	1954 and Earlier EL, FL , FLH	Servicing Pinion Shaft Bearing		
	No	tes: Bearing setups w	ith part numbers			
348A		9-27-1954	EL, FL, FLH	Pinion Shaft Roller Bearing		
	. No	otes: Drill jig for locking	Drill jig for locking right crankcase bushing, instructions			
349	Υ	1-15-1955	1955 KH Model	Transmission Disassembly / Assem. Equipped with Access Cover		
	No	otes: Assembly and dis	assembly of transmission	gears by removing access cover		

# TSB 350-399

	HARLEY TECHNICAL SERVICE BULLETINS				
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
352		12-1-1954	B, BT, S, ST	Tele-Glide Fork Bushing Tool Set	
	Note	s: Instructions on remo	oval and installation of b	ushings	
356	Υ	6-1-1955	KH/KHK/KHRM	Transmission Gear Information	
	Note	s: New beefier gears a	s a result of changes in	material and heat treatment.	
357		9-12-1955	ST	165 Spark Coil	
	Notes: Correction of ignition trouble due to dirty coil tower				
361	Υ	10-27-1955	к, кн	Engine Sprocket Clutch Hub Removal Tools	
	Notes: Tools required for removing or installing primary drive parts				

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362	Y		11-11-1955	1956 KH, KHK	Rear Shock Absorber and Spring
	'	Notes:	Improved load carrying	capacity, spring tension, add	ditional washers
363	Y		12-15-1955	KH, KHK, KHRM	Clutch Release Rod-Oil Seal
	<u> </u>	Notes:	Method of sealing cluto	th release rod, parts needed v	when re-ordering
364	Υ		11-16-1955	K, KH	Tool Set for Assembling Engine Sprocket Shaft Bearings
		Notes:	Description of tools and Sprocket extensions, p		
365			12-5-1955	G	Servi-Car Towbar Clamp Attachment 1955-1956 Autos
		Notes:	Auto chart, clamp attachment to b	umper, necessary parts	
366	Y		12-19-1955	1932-1955 Various Models	Valve Spring Testing Information
		Notes:	Info in this bulletin use springs which have we extended service. This bulletin re	d as a guide in replacing inta akened or "taken a set" due t eplaces #268.	ke and exhaust valve to excessive heat and
368	Y		1-3-1956	All	Cylinder Reboring Piston Fitting Information
		Notes:	Dimensions for fitting of	cylinders and pistons.	
369	Υ		1-3-1956	ST	165 Model Fitting Specifications
	'	Notes:	Engine, Transmission,	electrical specs.	
372			1-6-1956	FL, FLH	Transmission Vent Screw
	<u> </u>	Notes:	Drilled screw used in st	arter cover.	1
373			2-20-1956	1956 G, GA	Transmission Mainshaft Second Gear & Shifter Clutch
		Notes:	New parts needed, par	ts discontinued.	
374	Y		2-22-1956	BT, K, KH, G	Idler Gear Stud Spring Ring
	· · ·	Notes:	Spring ring (25810-15)	discontinued.	
375	Υ		6-1-1956	KH, KHK	Procedure for Gear Timing
	<u>'</u>	Notes:	Breather timing, valve	<u> </u>	,
376	Υ		6-8-1956	KH, KHK, KHRM	Transmission Mainshaft Second and Third Gears
		Notes:	Recommendation for in	stallation of stronger mainsh	aft gears.
377	Υ		9-1-1956	All	Batteries
		Notes:	Warranty and coding in	formation.	1
379			11-30-1956	G	Servi-Car Towbar Clamp Attachment to 1957 Autos
	<u> </u>	Notes:	Auto chart, necessary	parts, attachment	'
380	Y		1-31-1957	Service Bulletins	New Filing Number System
				-	

		Notes:	All future service bullet	tins will be identified accordin	g to subject matter.		
381	Y		1-31-1957	XL	1957 Sportster (XL) Fitting Specs		
		Notes:	Engine, transmission, frame, generator, brakes, etc.				
382	Y		2-8-1957	FL, FLH	Big Twin Valve Guides		
		Notes:	Steel exhaust valve gu	ides replacing bronze guides,	intake valve guides		
383	Y		3-1-1957	FLH	Valve Springs for 74 OHV Model		
	-	Notes:	Stronger spring, servic	ing valves and valve guides			
384	Y		3-8-1957	1955 FL and Later with Timken Bearing	Removing and Installing Flywheels and Sprocket Shaft Bearing in Crankcase		
		Notes:	Tool set, for flywheel a	ssembly into crankcase, asse	mbly procedure, illustration		
385	Y		3-15-1957	FL	Tool set, part numbers, use		
		Notes:	Removing Timken bear and compensating spro	ring from sprocket shaft ocket shaft extension.			
386	Y		3-22-1957	1955-later BT OHV K/KH XL/FL/FLH	Lapping Arbor Guide Sleeves		
		Notes:	Crankcase main bearing lap tool set and use.				
387	Y		3-29-1957	61 & 74 OHV	Ignition Circuit Breaker Bolt Wrench		
		Notes:	Illustration showing use	e, not necessary to disassemb	ole other engine parts		
388	Y		4-1-1957	K, KH, XL	Front Fork Slider Bushing Replacement		
		Notes:	Tools necessary for rep	placement, removal and insta	llation of bushings		
389	Υ		5-1-1957	Sportster	Carburetor Float Valve		
	·	Notes:	Checking/setting float	valve assembly, valve and se	at		
<b>392</b>	Υ		11-27-1957	XLH, XL	Applying XLH Parts to XLs		
		Notes:	Intake valve piston & r	ings, spark plug and tappets			
393			11-29-1957	G, GA	Servi-Car Towbar Clamp Attachment to 1958 Autos		
		Notes:	Auto chart, necessary ر	parts, attachment			
395	Y		12-16-1957	K,KH,XL	Wet Clutch Plate Kit		
		Notes:	A new clutch plate kit i clutches.	s now available for servicing	K, KH and XL model		
397	Y		2-14-1958	XL, XLH	Special Cam Gear Kit		
	Notes:		A special set of cam gears designed for maximum high speed performance is available in kit form under part No (25500-58R).				
398	Y		3-15-1958	FL, FLH	Brake Drums and Shoes for Duo-Glide		
		Notes:	Brake shoes used with	cast iron brake drum & press	ed steel brake drum		
399	Y		3-15-1958	EL, FL, FLH, UL K, KH, XL, XLH	Valve Spring Testing Information		

Notes: Valve spring testing, specs table for using valve spring tester

#### TSB 400-449

	HARI	LEY TECHNI	CAL SERVIC	E BULLETINS		
TSB_#	PDF?	Date	Model(s)	Title - Short Notes		
400	Y	5-1-1958	FL, FLH G, GA	Fan-Cooled Generator Oil Deflector		
	Note	es: Illustration, part nur	mbers, changes			
402		12-9-1959	Servi-Car	Towbar Clamp Attachment to 1959 Autos		
	Note	es: Table of autos, part	s needed, adjustment			
<b>403</b>	Υ	12-15-1958	All	Service Manuals		
	Note	es: Explaining the new	HD service manual pr	rogram		
404 404B	Y	1-15-1959 8-5-1973 10-30-1974	All	Special Service Tools for All Models		
	Note	This Service Bulletings: products.	n lists all special tools	used to service Harley-Davidson		
405	Y	4-15-1959	FL, FLH	Duo-Glide Rail Type Piston Oil Ring		
	Note	es: New oil ring, installa	New oil ring, installation instructions			
406	Y	4-15-1959	All	Wiring Connections for A-M-1 Flasher		
	Note	es: Wiring Directions				
<mark>407</mark>	Y	5-22-1959	ST, FL, FLH XLH, XLCH G, GA	Generator		
	Note	es: Cartridge type fuse	installation precautio	ns		
408		9-8-1959	1960 Duo-Glide	Spark Control Adjustment		
	Note	es: Adjustment of the c	oil control loop			
<mark>409</mark>	Y	10-29-1959	All	Battery Warranty / Adjustment Policy		
	Note	es: Placing battery in se	ervice, adjustment, ba	attery codes		
410		11-20-1959	G	Towbar Clamp Attachment to 1960 Autos		
	Note	es: Table of car makes,	parts needed, adjust	ments		
411		12-28-1959	A, AU	Servicing Transmission Front Drive Assembly, Floating Flange Slide Strips		
	Note	es: Replacing ball slide	Replacing ball slide strips			
413		1-29-1960	Servi-Car	Towbar Clamp Information		

	Notes:	Towbar clamp lower jaw	re-designed	
Y		2-12-1960	All	Special Service Tools for All Models
	Notes:	Flywheel adapter kit, pist	on pin lock ring tool sl	eeve, valve seating gauge
Y		2-15-1960	All	Service Manuals
	Notes:	1960 manual information		
		2-1-1960	Topper	Transmission Lockout
	Notes:	New improved lockout pa	irts	
		2-1-1960	A, AU	Spark Plug
	Notes:	Change from #5 to #4 sp	oark plug	
Y		4-6-1960	1951 FL, FLH G, GA	Conversion of 3-Brush to 2-Brush Generator
	Notes:	Regulator and generator	installation and wire c	onnections
Y		4-22-1960	B, BT, ST XLH, XLCH A, AU	Servicing HD A-C Speedometers
	Notes:	Warranty and adjustment	t policy and how to ob	tain service
		5-31-1960	A, AU	Flywheel Shaft Assembly
	Notes:	Servicing magneto shaft	and trans shaft	
		8-26-1960	A, AU	Important Topper Info
'	Notes:	1960 model year change	S	
		8-26-1960	A, AU	1961 Topper Model Changes
	Notes:	Floating flange, exhaust s	system & wheels	5
		10-6-1060	A, AU	Information for Servicing 1960 Topper
<u> </u>	Notes:	Transmission slide strips,	wheel bolt kit	
Υ		10-6-1960 10-21-1966	FL, FLH	Servicing Brake Shoes & Linings
	Notes:	Available parts, use of hy	draulic rear brake, H-	D brake lining material
		10-21-1960	G	Towbar Clamp Attachment to 1961 Autos
	Notes:	Table of car makes, parts	needed, adjustments	
		11-14-1960	A, AU	Information for Servicing 1960 Topper
<u>'</u>	Notes:	Exhaust system kit		
Υ		12-15-1960	FL, FLH	Care of Wheels, Tires, Chassis Assemblies
	Notes:	Checking for good handli	ng, tire inflation chart,	adjusting rear fork bearings
Y		12-16-1960	FL, FLH XLH, XLCH G, GA	1961 model Regulator Information
	Notes:	Using the correct regulat	or	
		12-22-1960	С	Brake Preventive Maintenance
	Notes:	Inspecting brake linings -	2500 miles	
		12-23-1960	Sprint	Sprint Starter Modifications
	Y  Y  Y  Y  Y  Y  Y  Y  Y	Y Notes: Y Notes: Notes: Y Notes: Y Notes: Notes: Notes: Notes: Notes: Y Notes:	Notes: Flywheel adapter kit, pist Y 2-15-1960 Notes: 1960 manual information 2-1-1960 Notes: New improved lockout pa 2-1-1960 Notes: Change from #5 to #4 sp Y 4-6-1960 Notes: Regulator and generator Y 4-22-1960 Notes: Warranty and adjustment 5-31-1960 Notes: Servicing magneto shaft 8-26-1960 Notes: 1960 model year change 8-26-1960 Notes: Floating flange, exhaust st 10-6-1060 Notes: Transmission slide strips, 10-6-1960 Y 10-21-1966 Notes: Available parts, use of hy 10-21-1960 Notes: Table of car makes, parts 11-14-1960 Notes: Exhaust system kit Y 12-15-1960 Notes: Checking for good handli Y 12-16-1960 Notes: Using the correct regulat 12-22-1960 Notes: Using the correct regulat 12-22-1960 Notes: Inspecting brake linings -	Notes: Flywheel adapter kit, piston pin lock ring tool sl Y

	Notes:	Starter pedal rubber inst	allation for a better fo	othold on kick starter pedal	
432		1-11-1961	С	Sprint Special Service Tools	
	Notes:	Valve spring compressor	, two jaw puller		
<mark>433</mark>		1-3-1961	All	Procedure for Handling Return Merchandise	
	Notes:	Warranty claims, service	repairs, new parts ret	urn	
435		5-5-1961	AH	New Topper 1961 Model	
	Notes:	Model changes			
436		5-10-1961	A, AU	Complete New Transmission for the Topper	
	Notes:	Transmission conversion	kit for 1961 models		
437		5-10-1961	A, AU	Applying New Topper Transmission and Drive Lockout to 1960 Models	
	Notes:	Transmission conversion	kit		
<mark>438</mark>	Y	3-28-1961	FL, FLH XLH, XLCH G, GA	Signal Stat Flashers	
	Notes:	Two different types used for turn signals & pursuit lamps			
439	Y	3-29-1961	FL, FLH	Duo-Glide Speedometer Drive Change	
	Notes:	Speedometer drive gear ratio change & identification			
440		3-30-1961	A, AU	Plastic Foam Air Cleaner for Topper	
	Notes:	Cylindrical filter for air in	take		
441		4-21-1960	С	Wheel and Spoke Preventive Maintenance	
	Notes:	Regular inspection every	2000 miles		
442	Y	6-14-1961	FL, FLH	1960 Duo-Glide Dual Circuit Breaker / Spark Coil Ignition System	
	Notes:	Timing procedure, timing	g gauge		
<mark>443</mark>	Y	5-12-1961	All	Special Service Tools for All Models	
	Notes:	Ignition timing gauge, hu needle bearing puller, br	•	<b>9</b> .	
444		6-14-1961	С	Valve Spring Upper Collar	
	Notes:	New valve spring collars			
445 445A		6-30-1961 6-1-1962	С	Sprint Special Service Tools	
	Notes:	Clutch lock tool, fork tub pliers	e tool, crank case asse	embly screw, external lock-ring	
447		8-25-1961	С	Sprint Starter Modifications	
	Notes:	No longer necessary to r	emove tooth from star	ter sector gear	
448	Y	9-22-1961	FL, FLH	Motorcycle Tires (5.00 x 16)	

Notes: Goodyear Eagle "100" Tires original equipment					
449 8-28-1961			AH	Carburetor Adjustment	
Notes: Normal settings for idle mixture screw					

## TSB 450-499

	HAI	RLEY TECH	NICAL SERV	ICE BULLETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
450		9-5-1961	Sprint	Bosch Dry Battery	
	Notes	Service procedure, \	Warranty and Adjustme	ent	
451		11-6-1961	A, AU	Steering Head Bearing Adjustment	
	Notes	Correct steering dar	npening necessary.		
452		11-13-1961	G	Towbar Clamp Attachment to 1962 Autos	
	Notes	Table of Autos, nece	essary parts and adjust	ments.	
<b>453</b>	Υ	10-13-1961	XLCH, XLCH	Fuse Eliminated	
	Notes	Fuse no longer requ	ired.		
<b>454</b>	Υ	12-4-1961	XLCH	Lubrication	
	Notes	Recommendations of	on oil tank level, dipstic	k and bleeding the oil system of air.	
<b>455</b>	Y	12-6-1961	1962 models FL/FLH XLH/XLCH BT/BTU BTH/BTF, C/AH/AU	Gear Ratios and Sprockets	
	Notes	Sprockets and Drive	Ratios.		
<b>456</b>	Υ	12-7-1961	All	Service Manuals	
	Notes	Service manual policy, part numbers.			
<mark>457</mark>		12-26-1961	All	Rebuilt Connecting Rod Exchange Service Discontinued	
	Notes	Rebuilt connecting r	ods no longer supplied	•	
<b>458</b>	Υ	12-29-1961	All	Service Bulletin Index	
	Notes	List of available bull	etins as of January I2, 1	1962.	
459	Y	1-12-1962	Duo Glide	Oil Return Line Blockage	
	Notes	Clearing blockage ir	oil return line.		
460		1-31-1962	Sprint/Model C	Dry Charged Battery	
	Notes	Battery Replacemer	nt Requirements.		
460A		4-16-1962	Sprint Model C/H	Dry Charged Battery Replacement Requirements	
	Notes	Establish policy (rep	laced TSB 460).		
461		4-16-1962	Sprint Model "H"	Dry Charged Battery 31L-4 OEM	

	Notes:	Warranty and adju	stments.	
462 462A	Υ	5-15-1962 12-13-1968	1962 Duo Glide Servi-Car	Speedometer Drive Changes
	Notes:	New design with 1	000 revs. mile (change f	rom 2000 revs. mile).
<mark>464</mark>		6-6-1962	All	Servicing HD S-W Speedometers
	Notes:	Stewart - Warner C	Central Distributor and S	ervice Stations List.
<mark>465</mark>	Y	7-9-1962	XLCH	Servicing XLCH Tachometer
	Notes:	List of Nisonger Co	rporation Service Statio	ns.
467		8-8-1962	Topper	Transmission & Lockout Conversion Kit
	Notes:	Earlier exchange o	ffer now terminated.	
469		10-26-1962	Servi-Car	Towbar Clamp Attachment to 1963 Autos
	Notes:	Parts and method	of attaching towbar to 1	963 autos.
470	Υ	1-31-1963	All	1963 Service Manuals
	Notes:	List of Service Man	uals and prices.	
<mark>471</mark>	Y	3-15-1963	1963 XLH/XLCH	Change in Transmission 3rd Gear Set
	Notes:	ratio set. Not long	after production got und	smission had a slightly higher 3rd gear der way, it was found advisable to 1962 and earlier lower ratio gear set.
473	Y	2-28-1963	All	Signal Stat Flashers
	Notes:	Part number chang	ges for turn signals and	pursuit lamps.
<b>474</b>	Υ	4-26-1963	1962 XLCH	Tach Installation/Lubrication
	Notes:	Installation.		
476		8-30-1963	Servi-Car	12 Volt Battery Warranty and Adjustment Policy
	Notes:	Policy changes.		
477		8-5-1963	BT Series (2 cycle)	Improved Starter Parts for Single Model
	Notes:	Kickstarter ratchet	gear & clutch sprocket	change.
483		11-4-1963	Sprint	Sprint Gas Tank Valve
	Notes:	Valve handle main	tenance to prevent leak	age.
485		10-31-1963	Servi-Car	Towbar Clamp Attachment to 1964 Autos
	Notes:	Parts and method	of attaching towbar.	
487 487N		7-6-1964 3-15-1965	AII	New HD Motorcycle and Servi-Car Battery Warranty Adjustment policy.
	Notes:		ement for inspection, te f Globe-Union plants for	
			VI II/C - d - I II	10 0 11 144 1 1 1 1
488	Y	7-6-1964	XLH/Sprint H Late Sprint C	12v Battery Warranty / Adjustment Policy

489		8-14-1964	M-50	Stoplight Switch for M-50 Models
	Notes	: A number of M-5	0 models left the factory	without a stoplight switch installed.
<mark>490</mark>	Y	7-7-1964	1965 Electra Glide Sportster Servi-Car	Checking 1965 Model 12-Volt Systems
<mark>491</mark>	Y	7-7-1964	1965 Electra Glide Sportster Servi-Car	Checking 1965 Model 12-Volt Systems
	Notes	: Testing instructi	ons of the 12-volt system	
492		8-14-1964	M-50	Tank Rear Mounting Change
	Notes	: The solid mount	was changed to a flexible	e strap
493		8-14-1964	M-50	Wheel Bearing Change
	Notes	: Changed to mor	e durable balls in the loos	se ball cone-type bearing cups
<b>494</b>	Υ	9-15-1964	FLH/XLH	Shock Absorber Change
	Notes	changed. The di	ameter was reduced to el act between cam and cov	ered type shock absorbers have been iminate the step at the bottom end er when the shock telescopes to
<b>495</b>	Υ	9-18-1965	All	1965 Service Manuals
	Notes	: Manual listing ar	nd prices	
496	Υ	10-7-1964	1965 Servi-Car	Starter Engagement
	Notes		vice for the Servi-Car start ber 29, 1964 with engine	ter has been incorporated in all Servi-Cars No. 65GE-1036.
497	Y	10-7-1964	1965 Electra Glide	Hose and Electrical Cable Routing
	Notes	Bulletin has a dr pipe.	awing of how to route hos	ses and cables away from the exhaust
498		10-23-1964	Servi-Car	Towbar Clamp Attachment to 1965 Autos
	Notes	: Parts and metho	od of attaching towbar.	
499		11-20-1964	M-50	Fuel Mixture
	Notes		il used in the fuel mixture luce the possibility of plug	has been reduced from 6-1/2 oz to 5 oz g fouling

## **TSB 500-549**

HARLEY TECHNICAL SERVICE BULLETINS					
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
<b>500</b>	Y	11-20-1964	All	Electric Starter Warning	
Notes:		Disconnect battery positive terminal before removing the primary cover.  Recommended for all models but especially the Electra Glide. (solenoid shift lever will close starter motor circuit and rotate pinion & clutch ring gear)			

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<b>501</b>			12-11-1964	All	
		Notes:	New Shop Service Too		1
502	Y		12-11-1964	Electra Glide Servi-Car	Starter Tests - With Sun Vat-26
		Notes:	Testing, troubleshooti	ng & procedures	
<b>503</b>	Υ		12-31-1964	All	Generator Brushes - 12v. & 6v.
		Notes:	Don't use any 6-volt g generator.	enerator brushes you ma	ay have in stock on the 12-volt
504	Υ		1-18-1965	Servi-Car	1964-1965 Electric Starter Service
		Notes:	Some important point	s to remember about pre	ventive maintenance.
506			2-18-1965	M-50	Spoke Information
		Notes:			
<b>507</b>	Υ		2-18-1965	All	Brake & Clutch Lever Changes
		Notes:	pivot		etrol handlevers with a 15/32" dia.
508			3-19-1965	FL/FX	Converting Rear Siren & Signal Lamp
		Notes:	Converting 1964 and	earlier Duo-Glide siren fo	r use on 1965 Electra-Glide
509	Y		3-19-1965	1965 Electra-Glide	Transmission Oil Seal
		Notes:	Installation instruction	ns for the seal.	
511	Y		5-14-1965	M-50	Transmission Gears
		Notes:		reased in thickness. The	ransmission mainshaft shoulder for recess in the 3rd gear has been
512	Υ		5-18-1965	FL/FX	Upper Shock Stud Change
		Notes:	Stud size increased to	1-1/2"x20 (replacing the	2 3/8-24 stud)
<b>513</b>	Υ		5-18-1965	All	Seat Cover - Buddy Seat
		Notes:	Additional seat cover	clips added.	
514	Y		6-11-1965	M-50	New Wheel Bearings
		Notes:	Change to retainer type	oe bearings in both hubs.	
<b>515</b>	Υ		6-11-1965	XLH/XLCH	Change to No. 4 Spark Plug
	·	Notes:	Starting on April 30, 1 from No. 5 to No. 4.	965 (engine 65XLH 7359	) the spark plug has been changed
516 516A	Y		7-6-65 10-15-1966	AII	Chassis Service and Handling
	•	Notes:	Rims/tire out of round	alancing. Tread wear. Lo . Wheel alignment. Beari ulty steering and Front er	ng play. Steering.
517			7-7-1965	M Models	Remove Engine Oil 1966 M-50 Before Initial Startup
		Notes:	Production models we	re treated with a rust pre	eventative oil prior to shipment
<b>518</b>	Υ		9-10-1965	1966 Sportster	Carburetor Service Information

		Notes:	_	on Carburetor new for Sp	
		Notes.	•	djustments, troubleshooti	
519	Y		10-5-1965	FL/FX	Primary Drive Chain Care
		Notes:	Change to Duckworth	(double row) primary ch	ain with straight sides.
<mark>520</mark>	Y		9-27-1965	All	Tourist Motorcycle Warranty Procedure
		Notes:			ng motorcycles of tourists ardless of purchase place).
<b>521</b>	Y		10-11-1965	Electra Glide Sportster	Generator Brush Location
		Notes:	On the 1966 generato The positive and nega	or (model 65A); ative brush holders are re	eversed.
522	Υ		9-30-1965	Late 1965-1966 Servi- Car	Testing Delcotron Electrical System
		Notes:	Instructions for using	Delcotron) 12-volt chargir Sun VAT-26 voltage-amp battery and associated w	ere tester on
<b>523</b>	Y		10-18-1965	Electra Glide Sportster Servi-Car	Cylinder Base Nuts
		Notes:	Check tightness of all (before motorcycle is		els when received from factory.
524	Υ		10-29-65	FL/FX	Lubrication System
		Notes:	Diagnosing lubrication	n problems.	
525	Υ		11-16-1965	M-50/M-50S	2-Cycle Oil for Transmission
		Notes:	2 cycle oil spec'd for t	ranny and engine.	
526			12-1-1965	Sprint	Carburetor Throttle Stop Eliminated
		Notes:	Throttle stop bushing	eliminated	
<b>527</b>	Υ		12-1-1965	Electra Glide Sportster	Two Piece Oil Control Ring
	-	Notes:	New cast iron, double	edged, scraper ring with	a separate expander spring.
<mark>528</mark>	Υ		12-31-1965	All	1966 Service Manuals
		Notes:	Manual lists and price	S	
531	Υ		1-15-1966	AII	Procedure for Handling Return Merchandise
	-	Notes:	Policy and forms		
532	Υ		1-17-1966	1965 Electra-Glide	Circuit Breaker Protection
		Notes:	Starting on December A circuit breaker was		ery and voltage regulator.
<b>533</b>			2-17-1966	All	New Service Tools
	1	Notes:	List of new tools.	1	1
<b>534</b>	Y		2-17-1966	XLH/XLCH FL/FX Servi-Car	Drive Chain - Press Fit Link
	,	Notes:	5/8" chains now supp durability)	lied with press fit connec	ting link side-plate. (for improved

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535	Υ		2-17-1966	Sprint	Spoke Tightness
		Notes:	We again call your att The necessity for regu	ention to; llar inspection of the spo	ke tightness.
536	Υ		3-7-1966	FL/FX Servi-Car	New Starter
		Notes:	Electra Glide models i	n place of Delco-Remy st starter motors are used u	motors are being used as OEM on arter motors. As soon as present p, this same starter motor will also
<mark>537</mark>	Y		3-22-1966	XLH/XLCH	Transmision Countershaft Low Gear
		Notes:	A fillet was added at b		ary 13, 1966; gear boss of the right crankcase. ore to provide clearance at this
538 538A 538B	Y		8-9-1966 9-25-1969	Electra-Glide	Chain Housing Vent Kit
		Notes:	vacuum	·	f seal and to control the degree of values have these changes.
539A			11-29-1967	M Models	Factory Repair
		Notes:			
540A			6-6-1980	All	Speedometer / Tachometer Warranty Service
		Notes:			
<b>541</b>	Y		7-15-1966	XLH/XLCH	Transmission Shifter Cam Assembly
		Notes:	be caused by a loose	shifter cam assembly. Th o various gear positions o	fter considerable mileage, it could is results in sticking when moving or may cause the transmission to
542	Υ		7-15-1966	FL/FX	New Gas Line Filter
		Notes:		1	1
543	Υ		8-8-1966	FL/FX	Starter Change - Drain Holes
		Notes:		or ball bearings now inco	rporate a Teflon seal to reduce the g into the bearing grease.
544A			12-1-1966	1967 Sprint	Pre-Delivery and Service
		Notes:			
545 545A	Y		10-24-1966 6-7-1968	XLH/XLCH	Rear Wheel Tube Flap (43148-67)
		Notes:	A wide rubber protect	L966 through the 1969 m ion band was installed be all Sportster rear wheel s	etween the inner

546 546A	Y	1-8-1969	All	Gas Line Hose Changes
Notes		Starting September 20 the inner tube and tire	), 1966 a rubber protection e bead on all 1967 Sports	on band is being installed between ter rear wheel Steel rims only.
<mark>547</mark>	Υ	10-24-1966	Sportster Electra Glide	Tillotson Carburetor Inlet Valve
Notes		Models produced after Have a new carbureto	August 10, 1966; r inlet valve lever, needle	e and seat assembly.
549		2-8-1967	FL/FX	Police Solo Recommendations
	Notes:			

## **TSB 550-599**

	HAF	RLEY TECHI	NICAL SERVICE I	BULLETINS		
TSB_#	PDF?	Date	Model(s)	Title - Short Notes		
551	Υ	2-20-1967	1965-L1967 Electra-Glide	Starter Relay Conversion Kit		
	Notes:		Production Electra Glides, beginning February 13, 1967, incorporate a relay in the starter control circuit to provide battery current directly from the regulator BAT.			
552	Υ	2-21-1967	1974 Electra-Glide	Motor Sprocket Spacer		
	Notes:	Starting February 13 74 OHV engine inste		cket spacer is being used on the		
<b>553</b>	Υ	2-24-1967	1967 XLCH	Spark Plug Cable Guide (Recall 001)		
	Notes:	This was to hold cab	No. 67XLCH 3989; e guide (31630-67) installed or les in the correct position awa cable interference with the ca	y from carburetor.		
554	Υ	4-28-1967	1967 Sprint	Optional Gearing and Ignition Timing		
	Notes:	This bulletin contains	s engine timing and gearing in	formation.		
555		6-19-1967	M-125	Exhaust Port Seal		
	Notes:					
556		7-21-1967	1967 FL	Rear Brake Hose Guide (Recall 002)		
	Notes:					
559	Υ	10-13-1967	Sprint	Circuit Breaker Timing		
	Notes:	Due to an inconsiste it is now also necess	njunction with bulletin #554. nt amount of circuit breaker ca ary that you check the ignition e that it is between 5° and 10°			
560		10-13-1967	Sprint	500 Mile Service		
	Notes:					

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Notes: A rubber boot was installed over the stoplight switch plunger to prevent moisting and dirt.  Notes: A rubber boot was installed over the stoplight switch plunger to prevent moisting and dirt.  Throttle Control Grip Retaining Screw (Recall 004)  Notes: Clutch Lever Pin and Bushing Changes  The clutch control hand lever has been changed during the 1968 season to incorporate nylon bushings for the cable anchor pin.  The clutch control hand lever has been changed during the 1968 season to Notes: Sprint Air Filter Stud  Notes: Oil Filter Kit  Notes: Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.	<b>561</b>	Υ	10-16-1967	All 4 Strokes	Oil Recommendations
Sportster   Servi-Car   Sportster   Servi-Car   Serv		Notes	: Change in lubrica	ting oil recommendations fo	or all HD 4-cycle motorcycles.
Notes:  Notes: The '68 (new design) Sportster hydraulic fork requires more oil than the 1967-earlier fork.  Notes: The '68 (new design) Sportster hydraulic fork requires more oil than the 1967-earlier fork.  Notes: Recommendations on correcting 'minor faults' before sending carb back for replacement. Instructions included for Adjusting, Diagnosing, Disassembly, Cleaning and Assembling.  Notes: A rubber boot was installed over the stoplight switch plunger to prevent moist and dirt.  Notes: A rubber boot was installed over the stoplight switch plunger to prevent moist and dirt.  Notes: The clutch control hand lever has been changed during the 1968 season to incorporate nylon bushings for the cable anchor pin.  Notes: Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  Notes: Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  Notes: Starting pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again air bleeding back from venturi into fuel chamber.  E 10 1868 Sportster Control Cable		Y	5-11-1969	Sportster	
Notes: The '68 (new design) Sportster hydraulic fork requires more oil than the 1967-earlier fork.  1-15-1968   XLH/XLCH   Tillotson Carburetor Service-ability Recommendations on correcting 'minor faults' before sending carb back for replacement. Instructions included for Adjusting, Diagnosing, Disassembly, Cleaning and Assembling.  S65   Notes:   Late 1968   Stoplight Switch Rubber Bo (Recall 003)   Notes:   A rubber boot was installed over the stoplight switch plunger to prevent moist and dirt.  Notes:   1-25-1968   1968 M-125/Rapido   Throttle Control Grip Retaining Screw (Recall 004)   Notes:   The clutch control hand lever has been changed during the 1968 season to incorporate nylon bushings for the cable anchor pin.  1-25-1968   Sprint   Air Filter Stud   Notes:   Sprint   Air Filter Stud   Notes:   Sprint   Air Filter Stud   Notes:   Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  Notes:   These Tillotson carbs were recently changed to incorporate a abil check valve the accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again air bleeding back from venturi into fuel chamber.		Notes	: Changed method	of setting timing to in the a	advanced position
Searlier fork.   Starting on May 1, 1968   Sportster   Sportster   Signature for Shipment   Starting on May 1, 1968   Sportster   Signature for Shipment   Starting on May 1, 1968   Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on Jack Port Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on Jack Port Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on Jack Port Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on Jack Port Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on Jack Port Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on Jack Port Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on Jack Port Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.   Starting of the plastic cover. T	<mark>563</mark>	Y	11-29-1967	XLH/XLCH/M-125	1 -
Recommendations on correcting 'minor faults' before sending carb back for replacement. Instructions included for Adjusting, Diagnosing, Disassembly, Cleaning and Assembling.  565 565A Y  A rubber boot was installed over the stoplight switch plunger to prevent moist and dirt.  Throttle Control Grip Retaining Screw (Recall 004)  Notes:  567 Y  3-25-1968  Electr-Glide  Throttle Control Grip Retaining Screw (Recall 004)  Notes:  The clutch control hand lever has been changed during the 1968 season to Notes:  The clutch control hand lever has been changed during the 1968 season to Notes:  568  4-5-1968  Sprint  Air Filter Stud  Notes:  569  4-12-1968  XLH/XLCH FL/FX  Notes:  570 Y  5-21-1968  Sportster Electra Glide  Throttle Control Grip Retaining Screw (Recall 004)  Notes:  The clutch control hand lever has been changed during the 1968 season to Notes:  Sprint  Air Filter Stud  Oil Filter Kit  Notes:  These Tillotson carbs were recently changed from oil tanks of these models before shipment.  These Tillotson carbs were recently changed to incorporate a ball check valve the accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again bleeding back from venturi into fuel chamber.  E770  V  6 10 1968  FL/FX  Sportster  Oil Tanks Drained for Shipment  Model HD Carb Accelerator Pump Changes  These Tillotson carbs were recently changed to incorporate a ball check valve the pump discharge passage and check valve, which provides a positive seal again bleeding back from venturi into fuel chamber.		Notes		ign) Sportster hydraulic fork	requires more oil than the 1967-
Notes: replacement. Instructions included for Adjusting, Diagnosing, Disassembly, Cleaning and Assembling.  Late 1968	<mark>564</mark>	Y	1-15-1968		
Notes: A rubber boot was installed over the stoplight switch plunger to prevent moist and dirt.  1-25-1968 1968 M-125/Rapido Notes:  Notes:  Notes:  Throttle Control Grip Retaining Screw (Recall 004)  Notes:  The clutch control hand lever has been changed during the 1968 season to incorporate nylon bushings for the cable anchor pin.  Notes:  Notes:  1-25-1968  Sprint Notes:  Notes:  Sofo  Y S-21-1968 Sportster Electra Glide Notes:  Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  Notes:  These Tillotson carbs were recently changed to incorporate a ball check valve the accelerating pump passage and check valve, which provides a positive seal agair air bleeding back from venturi into fuel chamber.  1968 Sportster Control Cable		Notes	: replacement. Inst	tructions included for Adjust	
Notes: and dirt.  1-25-1968		Y	3-1-1968		Stoplight Switch Rubber Boot (Recall 003)
1-25-1968   1968 M-125/Rapido   Retaining Screw (Recall 004)		Notes		s installed over the stopligh	t switch plunger to prevent moisture
Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.	566		1-25-1968	1968 M-125/Rapido	Retaining Screw
The clutch control hand lever has been changed during the 1968 season to incorporate nylon bushings for the cable anchor pin.  568  4-5-1968  Sprint  Air Filter Stud  Notes:  569  4-12-1968  Sprint  Notes:  570  Y  5-21-1968  Sportster Electra Glide  Notes:  Sportster Electra Glide  Notes:  Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  These Tillotson carbs were recently changed to incorporate a ball check valve the accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again air bleeding back from venturi into fuel chamber.  572  V  6 10 1968  Piectr-Glide  Air Filter Stud  Oil Filter Kit  Oil Tanks Drained for Shipment  Model HD Carb Accelerator Pump Changes  These Tillotson carbs were recently changed to incorporate a ball check valve accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again bleeding back from venturi into fuel chamber.  6 10 1968  Figure 1968 Sportster  Control Cable		Notes	:	'	
Notes: incorporate nylon bushings for the cable anchor pin.  568	567	Y	3-25-1968	Electr-Glide	
Sprint   Air Filter Stud		Notes	: incorporate		ged during the 1968 season to
Sportster   Oil Tanks Drained   for Shipment	568		+		Air Filter Stud
Notes:    Sportster   Coll Tanks Drained   FL/FX		Notes	:		
Sportster Electra Glide Gor Shipment  Notes: Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  Y 5-21-1968 Late 1968 Sportster Electra Glide Accelerator Pump Changes  These Tillotson carbs were recently changed to incorporate a ball check valve the accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again bleeding back from venturi into fuel chamber.  [1968 Sportster Control Cable]	<mark>569</mark>		4-12-1968		Oil Filter Kit
Notes: Starting on May 1, 1968 all oil is being drained from oil tanks of these models before shipment.  571  Y  5-21-1968  Late 1968 Sportster Electra Glide  Notes: Notes: These Tillotson carbs were recently changed to incorporate a ball check valve the accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again bleeding back from venturi into fuel chamber.  1968 Sportster  Control Cable		Notes	:		
Notes: before shipment.  Y 5-21-1968 Late 1968 Sportster Electra Glide Accelerator Pump Changes  These Tillotson carbs were recently changed to incorporate a ball check valve the accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again air bleeding back from venturi into fuel chamber.  1968 Sportster Control Cable	<mark>570</mark>	Υ	5-21-1968		
These Tillotson carbs were recently changed to incorporate a ball check valve the accelerating pump passage of the plastic cover. The included illustration show pump discharge passage and check valve, which provides a positive seal again air bleeding back from venturi into fuel chamber.  1968 Sportster  Control Cable		Notes	., .	I, 1968 all oil is being draine	ed from oil tanks of these models
Notes:  Notes:	<b>571</b>	Y	5-21-1968		Model HD Carb Accelerator Pump Changes
1968 Sportster Control Cable		Notes	the accelerating pum pump discharge pair	p passage of the plastic cov passage and check valve, w	ver. The included illustration shows the hich provides a positive seal against
	<b>572</b>	Υ	6-10-1968		

	Notes:	These models have the hand lever.	a new type clutch and brake c	ontrol cable anchor pin located in
573	Υ	7-11-1968	Electra-Glide	Clutch Throwout Bearing
	Notes:	Inspection and adjus	stments.	-
574	Y	7-12-1968	1968 Electra-Glide	Exhaust Pipe Gasket Seal (64834-68)
	Notes:		seal ring is assembled in the e been incorporated into the exh	
576		8-25-1968	FL/FX	Cylinder Base Nuts
	Notes:			
577	Υ	9-13-1968	1969 Electra Glide	SIZE 5.10 X 16 Tires
	Notes:	5.10 x 16 Replaces	5.00 x 16 Tire. Also addresses	tubes and air pressure.
578		9-25-1968	1969 MLS/Rapido	Tail Lamp Wiring (Recall 005)
	Notes:			
579A		1-8-1969	Sprint/Rapido	Gas Tank Valve
	Notes:		•	
580	Y	10-18-1968	1969 Sprint Rapido M Model	Engine Numbering System Changed
	Notes:	The model letters or	69 season; tion is being omitted from engi nly will be used as a prefix to t nsecutively regardless of mode	he serial number.
581	Y	12-15-1968	Electra Glide	Oil Pump Nut Bolt Tightness
	Notes:	Bolts and nuts must than 60 in/lbs. of to		roximately 50 in/lbs. but no more
<b>582</b>	Y	12-17-1968	1969 XLCH	Gearing Change to 19 tooth Sprocket
	Notes:			69XLCH 5921, All model XLCH ansmission sprocket (35197-52).
583		12-15-1968	Siren Pivot Shafts	
	Notes:			
584	Υ	1-10-1969	1969 Sprint	Tune-Up Information
	Notes:	I .	al float Dell'Orto Carburetor. A ding timing / point gap and tap	lso included are instructions for pet clearance.
585		2-14-1969	Sprint SS	New Fuse Holder
	Notes:		•	
586	Y	2-14-1969	1969 Sprint	Exhaust Valve Clearance Pocket & Spring Shim
	Notes:	Pistons will have an (to prevent possible Starting with Serial underneath the exh	Sprint Serial No. 69SS 3699; exhaust valve clearance pocker interference with the valve he No. 69SS 3962, a .040" thick s aust valve spring lower collar .	ead) him (6020P) was added
587		2-28-1969	FL/FX	Oil in Clutches

	Notes			
588 588A	Y	10-9-1969	AII	Front Brake Light Switches
	Notes	All motorcycles a Are equipped wit	Federal Motor Vehicle Safety s and Servi-Cars shipped after Ja th a stoplight switch on the fro uate the rear stoplight when th	nuary 1, 1969; nt brake control
589	Y	7-3-1969	1967-1968 Electra-Glide	Rear Brake Pedal Lever (Recall 006)
	Notes		shing. They have been change	zed joints where the lever and stop d to a steel alloy weld beginning
590 590A	Y	6-17-1969 8-24-1970	1969 Sprint	Generator Armature & Shaft Taper
	Notes	Beginning with S taper.	erial No. 69SS 3672, these eng	gines have a larger armature shaft
<b>591</b>	Y	6-23-1969	Electra Glide Sportster	Sprocket Shaft Bearing Endplay
	Notes	(endplay)	oft bearing (Timken) must have ctly. This bulletin gives instruc	e slight operating clearance tions for checking the endplay.
<b>592</b>	Y	6-17-1969	XLH/XLCH FL/FX	Oil Filter Vent Hole
	Notes			ortster XLH models on June 9, 1969, shown in the illustration in this
<mark>593</mark>	Y	6-17-1969	1970-earlier Sportster / Electra-Glide	Rocker Arm Cover Gasket
	Notes	Gasket (17540-6 1966.	er gaskets are now being used 9) can be retrofitted to Electra 0) can be retrofitted to Sportst	-Glides / 74 OHV engines back to
594		7-15-1969	M Models	New Spark Plug
	Notes		!	· · ·
595	Υ	9-16-1969	Sprint	Flywheel Endplay - Spring Washer
	Notes	And the spacing	shims used between the right	nt engines has become excessive. side crankshaft bearing and ing further damage to the engine.
<b>596</b>	Y	9-16-1969	AII	New Vehicle Numbering System (VIN)
	Notes	For the 1970 sea being used on all HD ve		for both engines and frames is
<b>597</b>	Y	9-16-1969	XLH/XLCH	Tapered Bead Tires/Rims

Notes:		Special Goodyear tires and "C" section rims on std 1970 Sportster (high ground clearance) models.		
<b>598</b>		9-29-1969	XLH/XLCH	Fiberglass Seats
	Notes:			
599	Υ	11-7-1969	FL/FX	Gearcase Cover Oil Relief Hole
Notes		Starting with Electra-Glide engine serial No. 12974, a hole has been added through the gear case cover flywheel shaft bushing boss to relieve possible pressure buildup in the pocket between the bushing and seal.		

## **TSB 600-649**

	HAR	LEY TECHN	ICAL SERVICE	BULLETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
600	Υ	11-7-1969	1970 Electra-Glide	Alternator System Checks
	Notes:	Description and testir	ng for the alternator syste	em.
601		2-6-1970	1969-1970 Sprint	Starter Gears
	Notes:			
603		11-26-1969	1970 MLS/M65S	Electrical System
	Notes:			
604		4-9-1970	1970 Sprint	Fork Vent Valve
	Notes:			
<mark>605</mark>	Y	11-28-1969	XLH/XLCH FL/FX	Idle Mixture Adjusting Needle (Tillotson)
	Notes:	1		xture needles were received from incorrectly formed blunt instead
<mark>606</mark>	Y	11-28-1969	XLH/XLCH	Rear Brake Light Switch Kit (72004-67)
	Notes:	parts	ter rear stoplight switch i	s being supplied with mounting to 1967.
607	Υ	2-6-1970	1969-70 Sprint	Rear Brake Switch
	Notes:	more		e plunger was changed making it ly and makes the switch action
<mark>608</mark>	Y	4-9-1970	All	Gas Tank Valve (loose handles)
	Notes:	Too loose and it will n speeds. Clearance specs give	_	to the engine especially at high

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609	Y	5-11-1970	1969-1970 FL	Wheel Bearing Locknut (Recall 008)		
	Notes	: Front wheel bear	ing locknut must be secur	rely tightened and staked in place.		
610		5-20-1970	Baja	Front Fork Oil Seals		
	Notes	:				
611	Υ	5-20-1970	FL/FX	Carburetor Jet		
	Notes	: The main fuel jet	ory 23, 1970, with VIN 24 of the 74 OHV FL and FLF L6-66) to No. 59 (27619-6	d carburetor has been changed.		
612		6-16-1970	All Lightweights	Throttle Cable		
	Notes	:				
613		8-24-1970	Baja	Rings/Piston Change		
	Notes	:				
614 614A	Y	4-14-1971	1971 Electra-Glide Super-Glide	Carb Timing Marks Compensating Sprocket)		
	Notes	Performance mod on Bendix (13479) (13479B) models & float tang clearance adjustment.  Added rear cylinder timing mark & increased thickness on compensating sprocket.				
<mark>615</mark>		9-28-1970	All	New Service Tools		
	Notes	:		·		
<mark>616</mark>	Y	9-30-1970	All	Tire Balance Wheel Weights		
	Notes	Wheel balancing is recommended. Automotive wheel weights would not fit Sportster aluminum rims and later steel rims. HD released spoke balancing weights to surround and press onto the spoke nipple. These are approved as a wheel balancing alternative.				
618A 618C	Y	8-25-1972 12-17-1974	XLH/XLCH	Kicker Gear Kits		
Notes:		618A - New kick starter clutch gear assembly (33432-57).  Bronze bushing replaces bronze plated steel bushing. 618C - New kick starter gear assembly (33432-73).  Teflon coated steel bushing replaces the bronze bushing.				
	Notes	:				
619	Y	1-25-1971	E1971 FX	Rear Brake Rod Clevis (Recall 009)		
Notes:		Some E'71 Super Glides were produced/shipped with the clevis hole too close to the end.  This resulted in a weakness at this point, with possibility of failure and loss of rear braking.  New part number added.				
620	Υ	3-25-1971	1971 FX	License Plate Support Bracket		
				r a salaba a managa		

		Notes:	_		racket is being installed between the reducing vibration / possible	
621	Υ		6-9-1971	1971 Sprint	Design Changes	
	·	Notes:	1 -	ottle slide changes on the friction disc changes.	Dellorto carburetor,	
622			6-9-1971	XLH/XLCH	Clutch Improvements	
		Notes:				
<b>623</b>	Υ		4-15-1971	All	Spark Plug Heli-Coil Kit	
	·	Notes:	Consists of a reamer/tool,	ool, (12) 3/8" Reach inse	reads in the head. ilot, tap guide and key-ring seating rts w/lock-rings (95544-71)	
<mark>624</mark>	Y		4-30-1971	1971 XLH/XLCH	Rear Wheel Hub (Recall 012)	
		Notes:	been	ed between February 2 a	nd February 26, 1971 may have	
625	Υ		8-2-1971	All	Low Lead Gasoline	
		Notes:	It's not recommended engine.	to use (low lead) / (non	leaded) gas in any 2 or 4 cycle	
626	Υ		8-2-1971	1971 Sprint	Charging System	
627	Y	Notes:	,		the new brushes were found to be Point Cam and Lubrication	
027				1971-up Super-Glade		
		Notes:	'72 circuit breaker ca (32542-70).	m (32542-70A) recomme	ended to replace '71 version	
628	Y		10-19-1971	1972 Shortster	Front Wheel and Axle (Recall 014)	
		Notes:	1 -	ave open slots in the froi	nt fork slider ends to receive the	
629	Υ		11-9-1971	1971 Rapido	Magneto/Generator	
		Notes:	A limited number of r received in a shipment from th		of substandard quality were	
630	Y		11-8-1971	1971-E1972 Electra Glide Super Glide	Rear Brake Hydraulic Line (Recall 013)	
	·	Notes:	The hydraulic brake line (42305-71) has a support bracket welded to it. Due to construction, vibration induced stress may cause cracks in metal tubing in area near the rear of this bracket.			
632 632A	Y		1-15-1972	All	Procedure for Handling Export Warranty	

	Note	es: Warranty and Ad	justments				
633	Y	2-15-1972	Electra-Glide	Front Hydraulic Disc Brake			
	Note	es: Procedures for no	ew disc brake.				
<b>634</b>	Y	2-18-1972	XLH/XLCH	Clutch Adjustment			
	Note		The MoCo revealed an easier way to make clutch adjustments. Remove the access plug from the chain compartment cover instead of removing the cover.				
635	Y	2-18-1972	Late 1972 FL/FLH/FX	Sprocket Shaft Bearing Oil Hole			
	Note	es: It has been incre	I hole lubricates the sprock ased from 3/16" to 1/4". nd play has been increased	-			
<mark>636</mark>	Υ	4-27-1972	1972 XL/XLCH	Rear Fork Bearing Adjustment (Recall 015)			
	Note		aring, left-side lock nut is st rom backing out and causi				
637	Y	7-7-1972	1972 MC-65 Shortster	Front Fork Slider (Recall 016)			
	Note	es: Incorporated fror	1972 Shortster minicycles from SC 10000 H2 through SC 11500 H2; Incorporated front fork sliders may have an inadequate weld joint which secures the axle mounting clip to the slider tube.				
<mark>638</mark>	Υ	8-14-1972	1972 XLH/XLCH/FX	Front Wheel Hub Lockring (Recall 017)			
	Note		etaining ring is assembled	flat on one side with a bevel on the in the hub with the flat side toward			
639	Y	9-25-1972	Aermacchi	Silver Gas Tank Trim			
	Note	es: trim strips which	Initial production of 1973 Aermacchi models with blue tanks have silver color trim strips which are not completely resistant to gasoline because of a material problem encountered by the supplier.				
640 640A	Y	11-15-1972 4-25-1973	Late 1973 Z-90	Front Axle Assembly			
	Note	es: This bulletin will	clarify the correct assembl	y for the front wheel and axle.			
641	Υ	11-15-1972	1973 Z-90	Rear Brake Sideplate			
Notes:		es: replace	A new brake sideplate, redesigned for increased strength, must be used to				
642	Y	12-13-1972	1973 SS-350 SX-350	Tune-Up Information			
	Note	es: Bulletin contains complaints.	Bulletin contains tune-up recommendations to prevent/remedy possible svc				
643	Y	12-18-1972	1973 FL/FLH/FX	Disc Brakes (Recall 018)			

Notes:		Safety defect issued on models produced before November 15, 1972; Models may have the front brake calipers installed on the rear brake and vice versa. It was also discovered that some FX motorcycles were assembled during the same period; With inadequate rear brake master cylinder operating piston clearance.			
644	Y	3-26-1973	1973 X-90 Z-90/TX-125	Injection Oil Pump	
	Notes:		ation kits are now availa n rate at low engine RPM	ble for field installation to reduce the 1.	
645 646	Y	4-5-1973 4-6-1973	1973 Sprint	High Output Alternator	
	Notes:	Higher output alternator assem. consisting of a new rotor and stator is being used in late 1973 SS/SX production.			
647	Y	4-10-1973	1973 FL/FLH/FX	Oiling System Changes	
	Notes:	models. Oil pump (w pres Gearcase cover.	sure relief). Right cranko Pinion shaft cover bushir		
648	Y	4-25-73	1973 Z-90	Front Brake Sideplate Retainer (Recall 019)	
	Notes:	Anchor tab for the front brake sideplate can allow the brake sideplate to disengage under severe braking conditions.			
649	Y	5-25-1973	Z-90	Front Axle Locknut Kit	
	Notes:	An improved method is used to retain the front axle in the front fork axle clips.			

## **TSB 650-699**

	HARI	LEY TECHNIC	CAL SERVICE BU	LLETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
<mark>650</mark>	Y	5-15-1973	1973 XL/XLCH	Tail Lamp Wiring (Recall 020)	
	Notes:	Initial production of '73 XL/XLCH-1000 were produced without a retaining clip to hold the wires against the fender near the tail lamp bulb socket.			
<mark>651</mark>	Y	6-27-1973	1973 XL/XLCH/FX	Front Fork Lower Bracket (Recall 021)	
	Notes:	ome of these models were assembled with defective lower fork trackets. Quench cracks occurred in critical area of some bracket brightness during heat treatment by our supplier.			
<mark>652</mark>	Υ	7-30-1973	XLH/XLCH	Head and Cylinder Changes	

<mark>663</mark>	Υ		4-29-1974	L1974 XLH/XLCH	Clutch Changes	
		Notes:	which were assembled	ge may develop on these mod I with substandard rear calipe	r piston 0-ring seals.	
662	Y		4-29-1974	1973-1974  FL/FLH/FX/FXE	Rear Brake Caliper (Recall 024)	
		Notes:	license plate bracket r	rement section was added und mounting holes to strengthen t ted to protect from cracking o	that area where the security f the mounting holes in the	
661	Υ		4-15-1974	1973-E1974 XLH/XLCH/FX	Rear Fender Reinforcement	
		Notes:	Fitting specifications a model.	nd tightening torque specifica	itions for the 1974 SX-175	
660	Υ		3-4-1974	1974 SX-175	Specs / Clutch / Rear Wheel	
	Notes:		A 2" long 20ga wire is located in the wiring circuit of these models as a fuse to			
<mark>659</mark>	Y		3-6-1974	XLH/XLCH FL/FX	Fusible Wire	
		Notes:	interference	upport bracket and bottom of		
658	Υ		1-7-1974 These models, produce	Early 1974 FL  FLH-1200  ed before December 14, 1973	Battery Support Bracket should be checked for	
		Notes:			hich has a new injection	
657	Υ		12-17-1973	1974 SX-175	Oil/Spark Plug	
		Notes:	at welded junction of the	uire corrective modification to	and shock support bracket.	
<mark>656</mark>	Y		2-11-1974	1973 XL/XLCH	Frame Reinforcement of Tail Lamp Wiring (Recall 023)	
		Notes:	It mandates pointing t	s incorporated into the design he arrow toward the forward r nance of the tread under seve	rotation upon installation. re acceleration)	
<mark>655</mark>	Υ		11-15-1973	1974 XLH/XLCH	Directional Arrow - Rear Tire	
		Notes:			(Necali 022)	
<mark>654</mark>			original (riveted) pin. 7 8-27-1973	Γhis (pin, nut and washer) was	Rear Brake Lever (Recall 022)	
		Notes:		tud type) mounting pin made	available for replacement of	
<mark>653</mark>	Y		7-30-1973	XLH/XLCH FL/FLH/FX	Disc Brake Caliper Mounting Pin Kit	
	Notes:		Model XL/XLCH motorcycles produced after May 1, 1973; Incorporate new cylinder heads, cylinders, cylinder head gaskets and head bolts which reflect a change in the bolt hole spacing.			

Notes: New sideplate has heavier material and therefore is supplied with a the spacer.  7-10-1974 1974 SX-175 Capacitor Dischal Ignition System  The breakerless capacitor discharge ignition system used on the SX-1 consists of a charging coil inside the alternator rotor and two external with a pick-up coil. Also in the system are an ignition switch, ignition module tension coil, and spark plug.  667 Y 6-21-1974 1974 SX-175 Air Cleaner Care Notes: but under dusty operating conditions will require additional measures entry of dirt into the engine.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  On models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  668 Y 8-16-1974 1973-1974 XLH/XLCH Ignition Coils Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  668 Y 8-16-1974 1973-1974 XLH/XLCH Ignition Coils Servi-Car  Through a supplier error, an unknown quantity of ignition coils were mas 12V coils but were actually 6V coils which possibly affected some of models.  670 Y 10-7-1974 SX-175 Exhaust System often acused by exhaust system restriction from a buildup of carbon deposibulletin details instructions on how to remove these deposits to restore engine performance.		Notes:	releasing disc,	inges include; vith six spacers between the prairies available to convert 71-E73 ma	·
Notes: holders of SX-175 models produced at the York plant shipped before April 26, 665  Y	664	Υ	5-29-1974	1974 SX-175	Fuse
Notes: New sideplate has heavier material and therefore is supplied with a the spacer.  7-10-1974 1974 SX-175 Capacitor Dischal Ignition System  The breakerless capacitor discharge ignition system used on the SX-1 consists of a charging coil inside the alternator rotor and two external with a pick-up coil. Also in the system are an ignition switch, ignition module tension coil, and spark plug.  667 Y 6-21-1974 1974 SX-175 Air Cleaner Care The air cleaner not only needs regular attention to maintain operating but under dusty operating conditions will require additional measures entry of dirt into the engine.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  On models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  On models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  Through a supplier error, an unknown quantity of ignition coils were m Notes: Through a supplier error, an unknown quantity of ignition coils were m nodels.  A gradual reduction in power after a period of service on 2-cycle engin often  Notes: Capacitor Dischal Exhaust System restriction from a buildup of carbon deposi bulletin details instructions on how to remove these deposits to restore engine performance.		Notes:	holders	-	
Spacer.    1974 SX-175   Capacitor Discha Ignition System The breakerless capacitor discharge ignition system used on the SX-1 consists of a charging coil inside the alternator rotor and two external with a pick-up coil. Also in the system are an ignition switch, ignition module tension coil, and spark plug.	665	Υ	6-10-1974	1973 Z-90	Front Brake Sideplate
The breakerless capacitor discharge ignition system used on the SX-1 consists of a charging coil inside the alternator rotor and two external with a pick-up coil. Also in the system are an ignition switch, ignition module tension coil, and spark plug.  667 Y 6-21-1974 1974 SX-175 Air Cleaner Care  The air cleaner not only needs regular attention to maintain operating but under dusty operating conditions will require additional measures entry of dirt into the engine.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  On models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  668 Y 8-16-1974 1973-1974 XLH/XLCH FL/FX Servi-Car  Through a supplier error, an unknown quantity of ignition coils were models.  670 Y 10-7-1974 SX-175 Exhaust System of ten a period of service on 2-cycle enging often caused by exhaust system restriction from a buildup of carbon deposibulletin details instructions on how to remove these deposits to restore engine performance.		Notes:	1	avier material and therefore is	supplied with a thinner axle
Consists of a charging coil inside the alternator rotor and two external with a pick-up coil. Also in the system are an ignition switch, ignition module tension coil, and spark plug.  667 Y 6-21-1974 1974 SX-175 Air Cleaner Care  The air cleaner not only needs regular attention to maintain operating but under dusty operating conditions will require additional measures entry of dirt into the engine.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  On models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  668 Y 8-16-1974 1973-1974 XLH/XLCH Ignition Coils Servi-Car  Through a supplier error, an unknown quantity of ignition coils were mas 12V coils but were actually 6V coils which possibly affected some of models.  670 Y 10-7-1974 SX-175 Exhaust System of tensions and the system of tensions and the system of tensions are accused by exhaust system restriction from a buildup of carbon deposibulletin details instructions on how to remove these deposits to restore engine performance.	666	Υ	7-10-1974	1974 SX-175	Capacitor Discharge Ignition System
Notes:  The air cleaner not only needs regular attention to maintain operating but under dusty operating conditions will require additional measures entry of dirt into the engine.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  On models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  On models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  In models within VIN ranges listed; One of the two front tire bead clamps was not installed on SX -175 mc Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  In models was not installed on SX -175 mc Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  In models was not installed on SX -175 mc Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep Rear Brake Sidep (Recall 025)  Front Wheel Tire Clamp Rear Brake Sidep Rea		Notes:	consists of a charging with a pick-up coil. Also in the tension	g coil inside the alternator roto	r and two external triggers
Notes: but under dusty operating conditions will require additional measures entry of dirt into the engine.    Rear broke sideplate has insufficient strength in anchor bracket stud rarea.   Servi-Car	667	Υ	6-21-1974	1974 SX-175	Air Cleaner Care
Second		Notes:	but under dusty opera	ating conditions will require ac	Iditional measures to prevent
One of the two front tire bead clamps was not installed on SX -175 more Rear brake sideplate has insufficient strength in anchor bracket stud rarea.  8-16-1974 8-16-1974 8-16-1974  Through a supplier error, an unknown quantity of ignition coils were mass 12V coils but were actually 6V coils which possibly affected some of models.  670  Y  10-7-1974  SX-175  Exhaust System of A gradual reduction in power after a period of service on 2-cycle enging often caused by exhaust system restriction from a buildup of carbon deposibulletin details instructions on how to remove these deposits to restore engine performance.	668	Y	8-26-1974	1974 SX-175	Rear Brake Sideplate
Notes:    Servi-Car   Ignition Coils   Ignition Coils		Notes:	One of the two front t Rear brake sideplate	tire bead clamps was not insta	
Notes: as 12V coils but were actually 6V coils which possibly affected some of models.  670 Y 10-7-1974 SX-175 Exhaust System of the solution				FL/FX	Ignition Coils
A gradual reduction in power after a period of service on 2-cycle engir often  Notes:		Notes:	as 12V coils but were		
A gradual reduction in power after a period of service on 2-cycle engir often  Notes:	670	Υ	10-7-1974	SX-175	Exhaust System Cleaning
671   Y    10-7-1974   Late 1975 SX-175   Rear Wheel Spok		Notes:	often caused by exhaust sy bulletin details instructions or performance.	vstem restriction from a buildun how to remove these deposit	ce on 2-cycle engines is most p of carbon deposits. This
1 2 2 3 3 2 3 2 3 3 2 3 3 3 3 3 3 3 3 3	671	Υ	10-7-1974	Late 1975 SX-175	Rear Wheel Spokes

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		by using	·	the right side hub flange was done		
	Note	s: models	·	interim change, some early 1975 n each slotted hole to accomplish		
		this.	,	·		
672	Υ	10-9-1974	1974-E1975 SX-175	Carburetor Modification		
	Note		anged to .60 mm (27606-69 ne throttle slide (27677-71P	9P). ) increased to 7.5 mm. (.295")		
673	Y	10-9-1974	FL/FX	Oil Ring Change		
	Note	plated type	iction 1200 cc engines and	for parts order pistons, ring sets,		
674	Υ	10-14-1974	1974 X-90/Z-90	Air Cleaner & Carburetor		
	Note	over-rich s: fuel/air mix cause main	Excessive plug fouling and poor overall performance may be the result of an over-rich fuel/air mix caused by a restricted paper type air cleaner element or too large a			
<b>675</b>	Υ	10-14-1974	XLH/XLCH/FX	Ignition Switch		
	Note	s: indexing plate which could lubricating the sw	cause the switch to bind u	omitted on the ignition key switch p. This bulletin gives instructions on		
676	Y	10-14-1974	1974 FX/FXE-1200	Jiffy Stand Support Plate		
	Note	A support plate has: the Jiffy Stand mount		dels to eliminate possible bending at		
677	Y	10-14-1974	1975 FX/FXE	Foot Shifter Gear Timing		
	Note	s: models will have	hrough a production error, foot shifter gear (33960-74) on most E75 FX/FXE 200 nodels will have an improperly located timing mark stamped over to obliterate it nd another mark stamped between the next teeth in the correct location.			
<mark>678</mark>	Y	12-17-1974	1974-1975 XLH/XLCH	Rocker Arm Covers "M"		
	Note	covers s: machined to prev rocker	·	modified rocker arms and rocker he rocker arm and the inside of the ers.		
679	Y	12-17-1974	X-90	High Voltage Problem		
	Note	_ With		be caused by excessive voltage. eam position, check A. C. voltage at		
680	Y	1-31-1975	1975 FL/FLH FX/FXE-1200	Spark Plug Change		
				·		

687	Υ		4-8-1975	FL/FLH/FX/FXE	Clutch Pushrod
Notes		Notes:	trapdoor. (resulting in little the Also, between Dec A total of 63 main without	to no oil supply to the trans cember 16, 1974 and Janua shaft low gears were instal	
<mark>686</mark>	Υ		(93141). 4-8-1975	XLH/XLCH	Transmission
		Notes:	An insecure assembly resulted from using 3" long handlebar mounting bolts on the Liberator Fairing on 1972< FL/FLH. This must be repaired with 3-1/2" bolts		
685	Y		3-20-1975	1972-Earlier FL/FLH	Liberator Fairing Handlebar Mounting Bolts (Recall 026)
		Notes:	starter	-74P) has been changed by to increase the strength ir	adding reinforcing ribs at the kick this area.
684	Υ		2-13-1975	SX-175/250	Reinforced Left Crankcase Cover
		Notes:	possible to reuse t this		omplete support assembly. Now it is support by modding and adding
683	Y		1-31-1975	X-90/Z -90 SX-125/TX-125	Throttle and Brake Lever Support
		Notes:	breakage. Since wesp. on	re've received reports of pr sed severely, We are again enance.	ent loosening and possible spoke ogressive wheel spoke breakage, emphasizing this important item of
002			Previous bulletins		mportance of maintaining correct
682	Υ	Notes:	l .	crankcase retaining screw.	g clutch, larger thru-bolts, and Spoke Maintenance
681	Υ		1-31-1975	1973-1974 SS/SX-350	Improved Starter Motor
		Notes:	heads.	1200 models have been m minate the heli -coil insert	anufactured with new aluminum and requires a 3/4" reach spark

689	Υ		5-5-1975	SX-175/SX-250 SS-250	Service Tools	
	_	Notes:	New service tools to s	ervice lightweight motorcycles	5.	
690	Υ		5-12-1975	SXT-125	Air Filter Cover	
		Notes:	A metal plate has bee element gasket.	n added between the air clear	er cover and the filter	
691	Υ		5-12-1975	SS-250	Jiffy Stand Bracket	
		Notes:	Modding may be reco	mmended on the stop bracket	•	
692	Υ		6-27-1975	1975 SS-250	Rear Brake Pedal Lever (Recall 027)	
		Notes:	Some early 1975 SS-2 pedal lever.	50 motorcycles incorporate fa	ulty welds in the rear brake	
693	Υ		7-23-1975	1975 SX-250	Carburetor Modification	
		Notes:		over-rich condition may exist cluded. This bulletin replaced	by #699 dated 3-29-1976.	
693	Y		9-9-1975	1975 SXT-125	Frame (Recall 028)	
		Notes:	Frame defects may ca	use eventual frame failure we	re present in these models.	
694	Υ		7-23-1975	All Lightweights	Ignition Switches	
		Notes:	Bulletin provides info	on the various types of key sw	itches used on lightweights.	
694	Υ		11-7-1975	FL/FX	Keihin Carburetor	
		Notes:	New carb model introc Read more about the in the IH Carb section	Keihin Butterfly Carburetor he	re	
<mark>695</mark>	Υ		11-7-1975	1975 XL/XLCH 1975 FL/FX/FXE	Wheel Spokes (Recall 029)	
		Notes:	We have been experiencing an increase in warranty claim forms for; 16" and 18" wheel spoke breakage on these models.			
696	Y		11-7-1975	SS-250	High Idle Speed Condition	
		Notes:	Suggested checks / ac no-load.	ljustments to address higher t	han normal idle speed under	
<mark>697</mark>	Υ		3-29-1976	XLH/XLCH FL/FX	Bendix Carburetor Jets	
		Notes:	HD issued a chart listi	ng Bendix carburetor main jet	size / identifications.	
698	Υ		3-29-1976	All Lightweights	Rear Brake Switch Kit	
		Notes:	service	ear stop light switch has been on in-cable or upward plunger m	·	
699	Υ		8-16-1976	E1975 SX-250 1976 SS-175	Carburetor Modification	
	·	Notes:		jet changes / recommendation #693 dated 7-23-1975.	ns.	

## **TSB 700-749**

	HAR	LEY TECI	HNICAL SERVICE	BULLETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
700 700A	Y	8-16-1976	MX-250	Service Information
	Notes	s: Recommended	tips and modifications to increa	ase performance and reliability
701	Y	5-26-1976	FL/FX	Rear Disc Brake Service Information
	Notes	s: servicing	recent production changes, and g the rear disc brake system.	d latest recommendations for
<mark>702</mark>	Υ	5-28-1976	1976 XL/XLCH	Rear Brake Shoes (Recall 030)
	Notes	Rear brake shown defective adhes		I range are suspected of having a
703 703A	Y	9-3-1976	SS/SXT-125	Oil Supply Fitting
	Notes	s: check	dimensions and a paragraph on engine is started.	was added giving another way to
704	Υ	8-16-1976	1975-1976 SS/SXT-125	Spark Plug
	Notes	s: New spark plug	recommendations.	
<mark>705</mark>	Υ	11-11-1976	XLH/XLCH FL/FX	Ignition Advance Unit Lubrication
	Notes	s: There was a cha	ange in the ignition advance lu	brication procedure.
706	Υ	10-15-1976	1974-1976 FL/FX	Rear Disc Brake (Recall 031)
	Notes	s: season;	motorcycles produced during tective rear brake system.	the 1974, 1975 and 1976 model
707	Y	12-1-1976	FL/FX	Keihen Carburetor Adjustment and Modifications
	Notes	Supplement to l Outlines steps t	,	tor performance and reliability.
708	Υ	12-1-1976	1977 XL/XLCH/XLT	Breather Valve
	Notes	(24633-77) is being used. A	oximately October 15, 1976, a Il 1000cc motorcycles (VIN 3A/4 Serves the same function as th	4A/2G-27940 H7-up) have the new
<mark>709</mark>	Y	3-22-1977	1975-E1977 XL/XLCH/XLT FX/FXE	Front Brake Caliper Mounting Bolts (Recall 032)

		Notes:	An unknown number used.	r of substandard front brake calip	er assembly bolts were	
710	Y		5-6-1977	FL/FX	Clutch Push Rod Thrust Washers	
	'	Notes:	treated	FL/FX transmissions were assemble clutch push rod bearing.	oled with improperly heat	
M-711	Y		6-3-1977	1977 XLH/XLCH XLT/XLCR	Oil Pump	
		Notes:	New oil pump design with gerotors instead of gears. Has two gerotor pumps in the same pump housing.			
M-712	Y		6-16-1977	All	Hydraulic Brake System Maintenance	
		Notes:	Brake fluid inspection intervals, changing from DOT 3 to to DOT 5 brake fluid. Master cylinder inspection / operation, brake calipers, pads and discs.			
M-713	Y		6-10-1977	XLH/XLCH FL/FX	Keihin Carburetor	
N		Notes:	List of part numbers and adjustments for variable components. (used on 76-77 1000 and 1200cc engines)			
M-714	Y		8-16-1977	XLH/XLCH FL/FX	Piston Pin Retaining Ring Changes	
		Notes:	Truarc type lock ring Groove in the piston	77, new (Truarc) piston pin retain g has holes for Truarc Pliers (9621 pin bore was changed to accome Spirolox retaining ring (22582-52)	5-49). nodate new pin lock ring.	
M-715	Y		8-12-1977	FL/FX	Air Cleaner Gasket and Heat Spacer	
		Notes:	Check for proper sealing between the carb and air cleaner backing plate. (1200cc carbs having a mid-range lean condition)			
M-716	Υ		8-26-1977	1977 XL-1000	Showa Rear Shock (Recall 033)	
N		Notes:	Quantity of 100 electric start XL-1000 motorcycles have new Showa rear shocks assembled with incorrect cupped washers on the mounting studs instead of flat washers.			
M-717	Y		9-13-1977	Late 1977 FL/FLH/FLHS-I200	Front Fork Change	
No		Notes:	The front forks assembled in these models are supplied by the Showa Mfg. Co.			
M-718	Y		9-13-1977	FL/FX	Transmission & Cam / Pinion Changes	
		Notes:	Part and manufactur	ring changes.	·	
M-719	Υ		9-13-1977	XLT 1000	Rear Fender Installation	
		Notes:	Change washers to a	avoid rear fender cracking at the t	turn signal mounting holes	
M-720	Y		10-11-1977 10-14-1977	MX-250	Front Fender Installation	
		Notes:	Revised bulletin has	the correct washer PN.	<u>'</u>	

M-721	Y		10-21-1977	1978 FX/FXE/FXS	Rear Brake Master Cylinder O-Ring (Recall 034)	
		Notes:	1977;	odels were produced from July 21		
M-722	Υ		11-4-1977	assembled in the rear brake mas 1976 SS/SX-175/250	Auto Retard Alternator	
141-722		Notes:	These models equipp improve	ed with automatic ignition advance ate kickstarter lever kickback.		
M-723	Υ		1-13-1978	1978 Lightweights	Flasher	
		Notes:		se models shipped after January 3 bber strap kit with an instruction s		
M-724			2-7-1978	FL/FX	Electronic Ignition Timer Wires	
		Notes:				
M-725	Y		2-14-1978	All	EPA Changes	
		Notes:	HD outlined the Clear customers.	n Air Act of 1978 as it affected the		
M-726	Y		3-30-1978	1978 FX/FXE/FXS	Front Brake Caliper Bolt Washer (Recall 035)	
		Notes:	Some of these model	s were produced with defective fr	ont brake caliper washers	
M-727	Υ		4-11-1978	Early 1979 XLH-1000	Rear Brake Control Linkage (Recall 036)	
		Notes:	Certain models were parts.	produced and shipped with defici	ent rear brake linkage	
M-728	Υ		4-28-1978	1978 MX-250	Flywheel Assembly	
		Notes:	Engines with VIN of 1	0782 and above were produced w	vith a solid crankpin.	
M-729	Υ		6-13-1978	FLH-80	Carburetor Low Speed Setting	
		Notes:	leaner	on/after March 29, 1978, A/F the ory setting to improve emissions b	ū	
M-730	Y		6-15-1978	1978 FLH-80 1978-1/2 FLH 1200 FX/FXE\FXS-1200 1979 XLH (XL)/XLCH XLCR-1000	High Altitude Carb Kits	
Notes:		Notes:	Carburetor modification kits were made available. (including jet(s) and an accelerator pump stop screw) Provides leaner fuel mixtures when operating at elevs. above 4000 feet sea level.			
M-731	Υ		6-20-1978	1000, 1200 1340 Models	Tire Fitment	

		Notes:	l .	9" wheels supplied by the MoCo ire, tubes and wheels.	as standard or accessories.		
M-732	Υ		6-27-1978	FL/FX	Hydraulic Lifters		
11,752		Notes:	Beginning May 22, 19 in	778, the front cylinder exhaust va te during engine production asser	lve lifter is being secured		
M-733	Υ		7-7-1978	1978 Lightweights	Gas Caps Screws Rear Chain		
		Notes:	A new style gas cap v	vas used in late 1978 production.			
M-734	Υ		7-5-1978	All V-Twins	Wheel Bearing Spacers		
		Notes:		ns changed. aring endplay with specs (.004" t longer or shorter spacer to achio			
M-735	Υ		7-14-1978	FL/FX/XL	Flywheel Assembly		
Notes		Notes:	The lockplates and screws to secure the nuts on flywheel assemblies discontinued. (for improved serviceability)				
M-736	Y		7-31-1978	1978-79 XLH/XLCH FL/FX	Front Brake (Recall 037)		
	•	Notes:	deficient	and 1979 models were produced linders. A complete list of vehicle			
M-737	Υ		8-3-1978	FL/FX/XL	Disc Brake Changes		
		Notes:	front	e been made to the calipers, disc udes harder stainless steel discs, nodels only).	·		
M-738	Y		10-17-1978	All models w/ 16" wheels	Lacing 16" Wheels (New Hub)		
Notes:		Notes:	The procedure for lacing 16 inch wheels changed to make them easier to lace in production. The relationship of the spoke flanges on the wheel hubs changed to match the new lacing pattern. Rims, spokes and nipples did not changed.				
M-739	Y		11-3-1978	All 1200 1340/1000	Carburetion and Ignition		
Notes		Notes:	Countering excess lean condition due to EPA conformity. Recommendation corrective measures regarding carburetion and the new (breakerless) electronic ignition system and emissions control design changes. They operate with leaner air/fuel mixtures and are more sensitive to carburetor mixture settings and ignition spark.				
M-740	Υ		11-30-1978	FL/FX	Primary Chain Tensioner (white)		
		Notes:		ary chain tensioner has recently ite color Zytel material for improves.			

M-741	Υ		1-12-1979	1979 FLH/FLH-80	Front Brake Caliper (Recall 038)		
		Notes:	85 FLH and FLH-80 were produced and shipped with front brake calipers having incorrect caliper piston assembly parts causing excessive piston retraction.				
M-742	M-742 Y		1-31-1979	1979 FLH/FLH-80	Classic King Tour Pak		
		Notes:	Changes have been m	nade to the cover hinge and brace	e hardware.		
M-743	Y		4-3-1979	1200 1340/1000	Cam Gear Selection Quieter Operation		
		Notes:	Measuring and specs	for the different cam gear color c	odes.		
M-744	Y		4-3-1979	Early 1979 1000cc engines	Transmission Changes		
Notes:		Notes:	Changes to improve the 2nd gear and clutch g changes.	Changes to improve the engagement of the clutch teeth between the mainshaft 2nd gear and clutch gear. Includes clutch gear, washer and drive sprocket changes.			
M-745	Υ		4-24-1979	FL/FX	Improving Oil Mileage		
		Notes:	An aid in the diagnosis	s and correction of excessive oil o	consumption.		
M-746	Υ		5-11-1979	FL/FX	Push Rod Covers		
		Notes:	Loss of oil or vacuum.				
M-747	Υ		5-1-1979	1979 1200 1340/1000cc engines	Front Brake Master Cylinder (Recall 039)		
Notes:		Notes:	in the front brake master cy brake	orcycles were produced and ship linder. Some of the (included list a tear or crack in the metal betw	of) motorcycles may have		
M-748	Υ		5-18-1979	1979 1200 and 1340s	Miscellaneous Information		
Notes:		Notes:	Battery carrier clearance, handlebar clamp cover screw, flywheel assem, disc brakes.				
M-749	Y		6-12-1979	1977-78 XLCR -1000	Rear Brake Master Cylinder Pushrod (Recall 040)		
Notes:			Were shipped with the	ycles produced during the 1977 a e rear brake master cylinder push rear brake master cylinder plasti	rods having insufficient		

### **TSB 750-799**

	HARLEY TECHNICAL SERVICE BULLETINS				
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
	Notes:				
M-750	Υ	6-15-1979	1200-1340s	Tappet Guides	

	Notes:	Recently. the slotte $3/16$ ".	ed end of the tappet guide (roller	end) was shortened app
M-751	Y	6-29-79	1979 XLH/XLS	Rear Brake Pedal Stop Bolt Jam-nut (Recall 041)
	Notes:	the	models were produced and ship ake pedal stop bolt jam-nut. This repair.	•
M-752		7-6-1979	1979 FLH/FLH-80	Frame Mounted Seat (Recall 042)
	Notes:			
M-753		8-14-1979	FL/FX	Rear Brake Master Cylinder Change
	Notes:			
M-754 M-754A	Y	8-17-1979 3-21-1980	1979 XLH/XLS/FL 1979 XLCH/FL/FX	Rear Brake Master Cylinder Piston (Recall 044)
	Notes:	A quantity of these models were assembled and shipped with master cylinder pistons made from an incorrect material (as received from the supplier).		
M-755		9-7-1979	1978-1979 XLH/XLCH/XLS	Rear Brake Pedal (Recall 043)
	Notes:			
M-756	Y	10-16-1979	1979 FL	Frame Mounted Seat Reinforcement Kit
	Notes:		acket has been incorporated on l at handrail.	ate 1979 FLs to strengthen
M-757	Υ	10-19-1979	Early 1980 XLH/XLS	Cam Timing
	Notes:		early 1980 Sportsters h incorrect front exhaust cam gea	ar timing.
M-758	Y	10-23-1979	1978-1979 1200/1340/1000cc models	Rear Brake Pedal (Recall 043) Rear master cylinder (Recall 044)
	Notes:	42410-75A brake p	parts from dealer stock: pedals with (ID) month code. 42374-77 with plastic (no ID) pis	tons.
M-759	Υ	10-16-1979	1980 XLH/XLS	Battery Position
	Notes:	Check that battery box.	to make sure the battery isn't m	is-positioned in the battery
M-760	Υ	11-16-1979	1980 Models	"R" Type Spark Plugs
	Notes:	suppression	spark plugs introduced to provide	
M-761		11-30-1979	Early 1980 FL/FX	Piston Replacement
	Notes:		1	· · · · · · · · · · · · · · · · · · ·

	'			
M-762 M-762A	Y Y	11-20-1979 4-1-1980	FL/FX	Front Chain Housing
	Notes:	has	g ball bearing located within ed life in some 1200 and 134	the inner primary chain housing  40cc motorcycles.
M-763	Y	12-21-1979	1974-1979 1200/1340/1000cc	Starter Relay
	Notes:	corroded contacts	e 1974-1979 starter relay on s. (due to moisture under we ed for testing and installation	t road conditions). This
M-763 M-763A	Y	1-14-1980 3-21-1980	1975-E1980 FL	Front Fender Mounting (Recall 045)
	Notes:	The front fender i	mounting bolts can loosen af	ter extended.
M-764	Υ	12-21-1979	1000cc models	Shock Rubber Bushings
	Notes:			er mounting bushings should be ive looseness of the bushings.
M-764	Y	3-7-1980	1980 FLT	Sprocket Mounting Screws (Recall 047)
	Notes:	The rear wheel spenbrittlement.	procket mounting screws may	y be affected by hydrogen
M-765	Y	3-14-1980	1980 FLT	Rear Brake Caliper (Recall 046)
	Notes:	could	lliper casting on certain 1980 to seep from the caliper asse	FLT models could be porous and embly.
M-766	Y	2-29-1980	FL/FX Servi-Car	Brake Fluid / Sidecar
	Notes:			'12 for changing DOT 3 to DOT 5. 3 to a vehicle using DOT 5 brake
M-767	Y	3-4-1980	1980 FL/FX	Square Seal Brake Caliper
	Notes:	All 1980 FL/FX mo	odels above VIN 26625-JO ha	ve the new square seal calipers
M-768	Y	3-18-1980	1954-1979 XL 1958-1978 XL	Crank Pin Chain Adjuster
	Notes:	missing a weld.	crankpins (date stamped 11 chain adjuster linings (3997)	/79) used on '54-'79 XLs are 8-58) used on '58-'78 XLs are
M-769	Υ	4-18-1980	All	Service Information - 1980
	Notes:	Test equipment for	the FL/FX 4-speed transmiss or Magnavox Electronic Igniti of 1980 FLT Comfort Flex Sea	
M-770	Y	3-31-1980	1980 FLT	Ignition Switch Fork Lock Assembly (Recall 048)

	Notes:	Possible mechanical	I failures within the ignition switc	h / fork lock assembly.
M-771	Y	5-9-1980	FL/FX/FLT	Oil Pump Gasket and Cover Changes
	Notes:	Improved "Fel-pro"	paper gaskets for the oil pump c	over and body.
M-772	Υ	4-22-1980	1980 80ci engines	Low Compression Pistons
	Notes:	Low compression pi models produced 19	ston assemblies now available fo 980 and later.	or the 80 cubic inch (1340cc)
M-773	Υ	4-25-1980	1980 XL	Shock Absorbers
	Notes:	These XLCR shocks	shocks factory installed. were modified to incorporate the s but were chrome instead of the	
M-774		4-25-1980	FL/FX	Gear Shaft 1958-1972
	Notes:			
M-775	Y	5-6-1980	FXB	Belt Adjustment Alignment Procedure
	Notes:	Procedure / instruct	ions.	
M-776	Υ	5-9-1980	1977-1980 XL	Solenoid Cover
	Notes:	Some solenoid cove	rs used since 1977 have the abil	ity to conduct electricity.
M-777	Υ	5-13-1980	1980 XL	Cylinder Head Gaskets
M-778	Notes:	(to prevent blockage	ne cylinder head gasket have been from slight alignment difference 6769-73) didn't change for the new York (CHANGE)	es possible when installed) ew gasket.
M-//8	Y		XL/XLH/XLCH/XLS	Gearcase Cover Gasket
	Notes:	Around the oil passa Since November of modified to eliminate this possib used in production and in st but also	y of high pressure oil leakage; age between the upper crankcase 1979, the crankcase castings had pility. As a part of that revision, t cock have been modified to not o	we been reworked and he crankcase cover gaskets nly fit the revised castings
M-779	Υ	5-23-1980	1980 XL/XLS	Rear Brake Clevis Rod End
	Notes:		op bracket for correct bend. ed to the muffler and should forn	n a 90° angle out from
M-780	Υ	5-23-1980	1000/1340cc engines	Revised Ignition Timing
	Notes:		since January) knock or "ping" of as a possible solution to help of	
M-781	Υ	5-23-1980	1980 1000/1340cc models	Ignition Timing Marks
	Notes:	Timing marks have (and reduce setup t	been revised to enable to be ele- ime for dealers)	ctronically set at the factory.
M-782 M-782A	Y	6-3-1980 6-20-1980	FL/FX/FLT/XL	Three Angle Valve Seats

	Notes:	and	els incorporate three angle valve  . This bulletin outlines the proced	
M-783	Υ	5-23-1980	1980 FLT	Accessory Gauge Kit Installation
	Notes:	Installation instruct	ions.	
M-784	Υ	5-23-1980	1980 FLT	Service Procedure
	Notes:	Wire routing and w	heel alignment.	
M-785	Y	6-10-1980	1979 XL/FL/FX	Rear Brake Master Cylinder Piston (Recall 044 - addendum)
	Notes:	Addendum referend	ced to TSB 754A with further inst	ruction.
M-786	Y	8-29-1980	1972-E1980 FL/FX	Interchangeable Front Brake Piston
	Notes:	The front disc brake retraction.	e caliper piston assembly has bee	en revised to improve
M-787	Y	6-3-1980	1980 FLT	Fork Lock Adjusting Screw (Recall 049)
	Notes:		y that the length of the adjusting gagement within the ignition swispecs.	
M-788	Υ	6-3-1980	FL/FX/FLT	Cylinder Heads Intake Manifold & Clamps
	Notes:	intake port.	now feature a flat (unstepped) mow feature a flat (unstepped) mow	
M-789	Υ	6-6-1980	Pre-1980 FL/FX	Cast Iron Valve Guides
	Notes:	have	iron valve guides for use on pre-	
M-790	Υ	6-10-1980	1980 FL/FX/FLT	Service Information 1980
Notes:		The torque required to secure the handlebar clamp screws has been revised. In early May, all 1200 and 1340cc transmission assems were improved by using a different shifter cam follower spring. The old spring (33204-79) was replaced with the stronger XL cam follower spring (34068-52).		
M-791	Υ	7-25-1980	FL/FX	Head Temp Gauge Kit
	Notes:	Installation instruct	ions for kit (75000-69A).	
M-792	Υ	7-3-1980	FLT	Charging System Diagnostic Procedure
	Notes:			
M-793	Υ	7-3-1980	All 1980 models	Ignition Coils
	Notes:	A number of ignitio (due to an internal	n coils have failed at low mileage breakdown in the windings)	2.

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M-794	Y	7-14-1980	1980 FXWG	Rear Brake Control Mounting Bolts (Recall 050)		
	Notes:	Possible mechanica	l failure with the rear brake contr	ol mounting bolts.		
M-795	Y	7-22-1980	1980 FLT	Sprocket Mounting Bolts (Recall 051)		
Notes:		Possible defect involving the gradual loosening of rear sprocket mounting bolt(s), decreasing clamping force to adequately secure rear wheel sprocket to wheel.				
M-796	Y	9-16-1080	FLT	TSB M0770 & M-787 Front Fork Lock		
	Notes:	The wrong illustration has been used for reassembly of the fork lock assembly, with respect to the subject Service Bulletins.				
M-797	Υ	10-10-1980	1980-1981 FLT	Service Information		
	Notes:	The 1981 FLT transmissions were modified to prevent oil leakage at the breather vent. Dealers may wish to make this change on '80 models if fluid leakage is a problem.				
M-798	Y	10-7-1980	1980-1981 FLT 1981 FLH	Rear Brake Caliper Maintenance		
Notes:		The new rear brake caliper on the 1981 FLH models is almost identical to that used on the FLT. Important differences include a different mounting bracket and the omission of the brake pad springs.				
M-799	Υ	10-17-1980	1981 FL/FX	1981 Service Information		
	Notes:	Rear brakes, right s	addlebag, fuel hose and steel clu	tch plates.		

### **TSB 800-849**

ŀ	HARLE	Y TECHNICA	L SERVICE BU	ILLETINS		
TSB_#	PDF?	Date	Model(s)	Title - Short Notes		
M-800	Υ	10-10-1980	All 1981 models	17 Digit VIN System		
	Notes:	The Vehicle Identification Number (VIN) was expanded to 17 digits. Includes codes for; Country of origin. Maker. Bike weight. Engine displacement. Introduction date. Check digit and which factory made it.				
M-801	Υ	11-14-1980	All	Service Bulletin Index		
	Notes:	Index of all Motorcycle Service Bulletins (does not include obsolete bulletins).				
M-802	Υ	10-21-1980	1980 FL/FX	Part Order Oil Pump Kit (26200-81)		
	Notes:	212 1981 Oil pump kit	s contain the wrong pump	body gasket.		
M-804	Υ	11-4-1980	All 81 Models	Throttle Cable Adjustment		
	Notes:	All 1981 model motorcycles are equipped with a dual cable throttle assemb (commonly referred to as a "Pull-Pull Throttle")				
M-805	Y	10-31-1980	1980 FLT	Wheel Bearings (Recall 052)		

	Notes:		wheel bearings on some ion and inadequate sealing	1980 FLT models might fail
M-806	Υ	12-5-1980	1971-Later FX	Seat Repair
		Three styles of replac	ement buttons are availa	seat repair kit and rivet tool. ble in three different lengths. he different seats available)
M-807 M-807A	Y	11-21-1980 10-14-1984	All models More added	Safety Recall Campaign Index
	Notes:		rranged per model affect 5-2-1984 (recall number	ed from the beginning of the s 001-058).
M-808	Y	12-5-1980	1981 FXB	Changes
	Notes:	Rear sprocket mounti and starter shaft.	ng, compensating sprock	et, rear wheel/inner tube
M-809 M-809A	Y	5-19-1981	1981 1200/1340cc	Oil Pump and Crankcases
	Notes:	New style oil pump bo	ody and crankcases.	
M-810	Υ	1-23-1981	FLT	Chain Boot Tool
	Notes:	New tool available fro installation of the chain boot.	m the Bondhus that will o	greatly ease removal or
M-811	Υ	1-30-1981	FLT	Wheel Bearings
	Notes:	inward		were installed with the seal
M-812	Y	2-3-1981	1981 FLT	Front Chain Oiler
		FLTs were manufactured be received these motors system to the current	efore this design change cycles where sent kits to design.	
M-813	Υ	1-30-1981	XLH/XLS	Service Information
	Notes:	kits. A warning regarding the torque value in the Check fitment of batter.	orake line routinge on 80 ne FSM for rocker arm acc ery covers. Avoid contact those routing was chang	orn nuts is incorrect. to the battery '+' terminal.
M-814	Y	2-6-1981	All	1981 Service Update: Ignition Module
	Notes:	New electronic ignition modules (-80A) with 6 second delay as opposed to the previous ignitions (-80) with a 4 second delay. Check sidecar wheel lubrication.  FXWG, FXB, FXS-80 got a new exhaust. See Parts and accessories Bulletin Number 129 for FLH Heritage special parts.		

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M-815 M-815A	Y Y	2-13-1981 12-18-1981	1973-1980 FL/FX	Rear Brake Anti-Vibration Kit
	Notes	been		on the outside of the swing
M-816	Y	3-27-1981	1981 FLH/FLH Classic 1340cc	1981 Service Information
	Notes	Oil pump seals, rock removal and torque		ddlebag, crankcase guard seat
M-817	Y	2-9-1982	All FL/FX models	Transmission Lubrication and Oil Control Improvements
	Notes	transmissions.  New sprocket shaft s smaller oil		nmended for FL/FX 4-speed rocker arm cover oil line,
M-818	Y	3-6-1981	1981 FLH	Saddlebag Carrier Interference (Recall 053)
	Notes	the	·	nd the possible "overtravel" of the saddlebag carrier and/or
M-819	Υ	3-13-1981	1981 FXB	Primary Belt Adjustment
	Notes	Beginning in January housing.	, 1981 FXB models have a	n improved primary belt
M-820	Y	4-10-1981	All	Motorcycle Serial Numbers
	Notes	: Bulletin lists serial / \	Vin changes from 1969-ea	rlier to 1981-later.
M-821 M-821A	Y	4-7-1981 4-24-1981	1340cc	Oiling System Changes
	Notes	: Bulletin details impro	ovements to the oiling sys	tem.
M-822	Υ	3-31-1981	1981 FXB	Starter Solenoid
		A spacer was added assemblies.	to approximately 50% of to	
M-823	Υ	4-24-1981	FL/FX/FLT	Alternators
	Notes	1976.	ernator/rectifier/regulator	configurations were used since and their usage, by year and
M-824	Y	4-17-1981	1200/1340 1000 models	Crankshaft Bearing Race Tool

	N	Notes:	A new crankshaft bear	ing race press tool (94547	7-80) is now available.
M-825	Y		4-21-1981	FLT	Wheel Alignment Tool
	N	Notes:		ed bending an aluminum Iternative to step 4 in the	welding rod to make a wheel rear wheel alignment
M-826	Y		4-21-1981	1981 FLH	Headlight Housing Modification
	N	Notes:	the	equipped with a washer ue handlebars and headligh	under the risers to increase t housing.
M-827	Y		4-24-1981	1981 XL	Three Angle Valve Seats
	N	Notes:		odels incorporate three ar as reiterated for 81 XL Mo	
M-828	Y		4-21-1981	AII	VIN Character Identification
	N	Notes:	numbers could be interchanged and wou	"6" and "9" characters) o ld still be a legitimate and t showing legitimate chara	
M-829 M-829A	Y		5-19-1981 6-12-1981	1200/1340 1000 Engines	Commonized Flywheels
	N	Notes:			o and 1000cc engines. eyways were standardized.
M-830 M-830A	Y Y		6-9-1981 6-30-1981	1200/1340 1000 Engines	Color Coded Cam Gear Selection
	N	Notes:	to provide the proper	s are sold in matched sets gear lash (tooth clearance es parts / part numbers fro	) for quiet operation.
M-831	Y		6-12-1981	1980-1981 FLT 1981 FXE/FXEF FXS XLH/XLS	1981 Service Information
	Ŋ	Notes:	grease. Also, app. 800 motorcy	e bearings are to be lubric cles were assembled with to the risers being made	n washers under the lower
M-832	Υ		6-12-1981	XL/FX/FLT	Front Brakes
					-

No			as made available for XL/F	X/FLT model front brake
		Applied to the front of	the outer caliper half, it h	elps to prevent caliper rattle.
Υ		6-16-1981	1981 FLT	Service Information
No	otes:	New shock bushings, f	ront chain housing and ins	strument panel mod.
Y		6-26-1981	1340cc	Left Main Bearing End Play
No	otes:	Procedure and specs f	or checking end play.	
Y		6-26-1981	1981-Earlier Big Twin	Clutch Plate Silicone Spray
No	otes:	Silicone sprays can be	used in treating clutch fri	ction plates.
Y		7-14-1981	FXB	Modify Non-Adjustable Inner Primary
No				
Y		10-2-1981	All models	1982 Model Service Information
No	otes:	A .015" spacer added XL models: New 13 am FXR: New rear brake c FLT: New saddlebag lo	np generator and rear bral aliper and master cylinder cks, rear sprocket housing	ke caliper. ^ (same as on XL).
Υ		10-2-1981	1980-1982 All models	Motorcycle Tire Fitment
No	otes:	New tire and wheel co	mbinations	
Υ		10-2-1981	1982 XL	Battery Cable Routing
No	otes:	The '+' battery cable on the oil tank.	on some 1982 models may	
Υ		10-2-1981	1982 XL	1982 Service Information
No	otes:	See the bulletin for gu A limited number of E8 flywheel tapers. New lower torque spec	idelines for retrofitting. 32 engines were assemble c. for oil separator washer	d without commonized nut.
Υ		10-16-1981	L1981-E1982 XL	XL Gearcase Covers and Gaskets
No	11 46 . 1	_		he gasket differences.
Υ		10-13-1981	FLT	Service Information
	Y No	Y Notes:	Notes: calipers. Applied to the front of 6-16-1981 Notes: New shock bushings, f Y 6-26-1981 Notes: Procedure and specs f Y 6-26-1981 Notes: Silicone sprays can be Y 7-14-1981  Notes: Early style inner prima adjustment as the new Y 10-2-1981  New handlevers and statery. A .015" spacer added Notes: XL models: New 13 am FXR: New rear brake of FLT: New saddlebag lo FL, FX, FL T, FXR all go Y 10-2-1981  Notes: New tire and wheel co Y 10-2-1981  Notes: New tire and wheel co Y 10-2-1981  The '+' battery cable of the oil tank. This surface could cut Y 10-2-1981  The current 13 amp go See the bulletin for gu A limited number of E8 flywheel tapers. New lower torque spec (to keep from bowing the sound)) Y 10-16-1981  Notes: These XLs may have o crankcase set combined.	Applied to the front of the outer caliper half, it h Y 6-16-1981 1981 FLT  Notes: New shock bushings, front chain housing and ins Y 6-26-1981 1340cc  Notes: Procedure and specs for checking end play. Y 6-26-1981 1981-Earlier Big Twin  Notes: Silicone sprays can be used in treating clutch fri Y 7-14-1981 FXB  Notes: Early style inner primary cases can be modified adjustment as the new cases would allow. (Refe Y 10-2-1981 All models  New handlevers and switches, front brake lever battery. A .015" spacer added inside 0-ring under the rig Notes: XL models: New 13 amp generator and rear bral FXR: New rear brake caliper and master cylinder FLT: New saddlebag locks, rear sprocket housing FL, FX, FL T, FXR all got new valve springs.  Y 10-2-1981 1980-1982 All models  Notes: New tire and wheel combinations Y 10-2-1981 1982 XL  On VINs prior to (1HD1CAH15CY111159); The '+' battery cable on some 1982 models may the oil tank. This surface could cut the insulation, causing a set the bulletin for guidelines for retrofitting. A limited number of E82 engines were assemble flywheel tapers. New lower torque spec. for oil separator washer (to keep from bowing the washer and subsequer sound))  Y 10-16-1981 L1981-E1982 XL  These XLs may have one of two different types of crankcase set combinations. Bulletin identifies to

	Notes:	the	-	ly. The tightening procedure for with the start of the 1982
M-843	Y	10-23-1981	Early 1982 FLHC	Starter Mounting Bracket Mod
	Notes:	Clearance between th should be a minimum of 3/8 in.	e top of the bracket and	d the bottom of the battery
M-844	Υ	10-30-1981	All	Standard Piston Grading
	Notes:			ze in .00025" increments. ly to oversized (.010"070")
M-845	Υ	11-17-1981	All 1982 Models	Information Update
	Notes:	fuel	-	nstalled on 1982 FLT. Sportster ne due to lower compression
M-846	Y	12-4-1981	1982 FXR	Positive Battery Cable Routing
	Notes:	The positive battery c carrier.	able may contact the bo	ottom edge of the battery
M-847	Y	12-11-1981	1982 FL/FX	4-Speed Transmission (Recall 054)
	Notes:	The problems experienced with a few of these transmissions suggest that, unless remedied, they might lead to transmission lock-up and resulting loss of vehicle control although we have not experienced a single field problem to date.		
M-848	Υ	4-9-1982	Late 1982 XL	Crankcase Breather Valve
	Notes:	A new style rubber cra Late '82 crankcase bro	eather kit part # (26909	has replaced the 79 reed valve.
M-849	Y	2-16-1982	1200/1340	Valve Guide Replacements
	Notes:	New valve guides with	seals to help improve	oil consumption

## TSB 850-899

HARLEY TECHNICAL SERVICE BULLETINS					
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-850	Y	2-5-1982	IIUX/FI/FX	4-Speed Transmission (Recall 055)	

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	Not	The mainshaft be tes: transmissions might not be to	mainshaft bearing race, as supplied by our vendor, in a few of these transmissions might not be sufficiently hardened and, unless remedied, might eventually lead			
M-851 M-851A	Y	3-2-1982 3-23-1982	All models	Information Update		
	Not			as replaced by fiber washer (26231-78). Ided) exhaust system used on XL models.		
M-852	Υ	2-23-1982	All 21" Wheels	Wheel Lacing		
	Not	tes: All 21 inch wh	neels use the new style l	hub, but are laced in the old style pattern.		
M-853	Υ	3-19-1982	All Models	Front Brake Stoplight Switch		
	Not	The front bra	ke master cylinder is co	nstructed so there is no free play and control switch assemblies are positioned		
M-854	Y	5-7-1982	1982 FXR/XL	Rear Brake (Recall 056)		
	Not	tes: might be cap	Routine quality testing conducted recently indicates the hydraulic brake system might be capable of generating excessive pressure, potentially exceeding burst strength rear brake caliper under an extremely unique set of circumstances.			
M-855	Υ	7-19-1982	1982 XL	Footrest Chain Protector		
	Not	footrest brack	ket.	) is now available that fits over the drive chain and the passenger footrest		
M-856	Υ	8-6-1982	1983 XL	Service Information		
		New 2 stage tes: gasoline.	Discusses ignition, VOES operation, timing, oil tank drain method and indicator			
M-857	Υ	10-5-1982	L1982-E1983 XL	Tumbling Stone Contamination		
	Not	tes: polishing		sible tumbling stone contamination from ase VIN's 782025001 through 783200001.		
M-858	Υ	10-7-1982	1983-later XL	Service Information		
	Not	tes: The number of 10 sizes.	Check VOES operation on 1983 and later models. The number of transmission mainshaft (R) shims for order increased to total of			
M-859	Y	10-29-1982	XL/FXR FLT/FLHT	Screw Type Fuel Cap		
	Not	tes: Except FLT/FI	The vent relief pressure has been reduced by utilizing a softer spring.			

M-860	Υ	11-12-1982	XL	Service Information
	Notes:	New finish to cylinde Oil pump gerotor geo diameters.	r and head gaskets. ars machined without ch	namfered top and bottom on outer
		l .		gn modification). prevent intermixing with earlier
M-861	Υ	11-12-1982	1983 FL/FLHT	Saddlebag/Tour-Pac Locks
	Notes:	New redesigned lock operation.	housing along with adju	ustable strikes for ease of
M-862	Y	11-15-1982	1983 FLT/FLHT FXR/FL/FX	Securing Transmission Sprocket Nut
	Notes:	method for	rocket with threaded ho nut with a socket head	les has provide an improved screw.
M-863	Υ	12-17-1982	L1982-1983 1340cc	Hydraulic Lifter Noise
	Notes:			e caused by low oil pressure. When latest FSM and check oil pressure.
M-864	Y	12-21-1982	1983 FLT/FLHT	Front Forks and Rear Shocks
	Notes:	shocks. All		ed with FLT front forks and rear ured with FLHT front forks and rear
M-865	Υ	12-23-1982	1340cc	Valve Guide Length
	Notes:	the	sibility of contact betwe	en the valve head and the end of ortened .050".
M-866	Υ	3-4-1983	FXRT	Service Information
	Notes:	Headlamp, saddleba	g and fairing removal/re	placement, rear shock adjustment.
M-867	Υ	3-11-1983	All	Tire Fitment
	Notes:	Correct matching of	tire, tubes and wheels	
M-868	Υ	3-15-1983	1340cc	VIN Location Change
	Notes:	Engine and frame VI	Ns changed location.	
M-869	Y	4-19-1983	1200-1340cc	Valve Guide Gauge Cutting Tool
	Notes:	valve	aust valve guide and eli	ccurately gauge clearance between minate the possibility of
M-870 M-870A	Y	4-15-1983 5-10-1983	XL	New Valve Guides / Trans MS Shims Ign Module / Sensor Connections

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Notes:	New valve components including; New style 'shoulderless' intake and exhaust valve guides (with flat lower spring collars and longer inner and outer springs) Spring data and installation instructions also included with this bulletin. New transmission mainshaft thrust washer (in 4 different thicknesses) on L83 XLs. The roll pin in the crankcase has also been eliminated. Late 83 XL ignition modules (32410-84) and sensor assemblies (32400-84) made with rubber rather than plastic. They'll fit E83 engines as a set or individually (changing one					
	or the other connectors of the	1982-up FXR/XL 1983 FXSB FXWG FLHS L1983 FXE	Girling Rear Brake Svc			
Notes:	The stainless steel abutment shim (41665-82) used on the 5/8" piston Girling rear brake calipers is now available for parts order with detailed installation and bleeding instructions.					
	8-18-1983	XL	Service Information			
Notes:	There's a production change beginning with crankcase number 784174011. It incorporates a new crankcase set (24527-82A) on the 1000cc series engines.					
	12-9-1983	All except FLH	Battery Vent Hose Clamp			
Notes:	Starting in mid Decei Motorcycles shipped	mber (83), from York will be fitted ເ	g off the battery hose nipple, with a battery hose clamp (10067). a clamp will be included with the			
	9-23-1983	Tour-Pak	Fastener Information			
Notes:	Adding a washer to e	arlier Tour-Pak stud.				
	10-11-1983	All 1982 and later motorcycles	Brake Pad Inspection			
	A reminder that more frequent inspections should be made if the vehicle is ridden under more adverse conditions such as steep hills, heavy traffic, etc.					
	1-13-1984 2-7-1984 XL/XR-1000 Transmission Information					
	Revised transmission gear and shifter fork changes.  Bulletin updated to fix a typo on TSB M-876.  The part number for the +.020" fork is (34292-72) instead of -84.					
	6-15-1984	L1984 1340cc	Main Drive Gear Oil Seal			
MMDC	Production change to reduce potential oil leaks through the main drive gear splines.					
	Jan. 1984	Late 1340cc	Production Changes			
Notes:		change to take place at ing clutch (or wet clutch	mid-year 1984 is the introduction			

			1984 FL/FX	Bore Sizes and	
M-879	Υ	12-22-1983	FLT/FXR	Service Wear Limits	
	Notes:	Correcting FSMs (99	<u> </u>	and audio-visual programs.	
M-880	Υ	2-24-1984	1984 1340сс	Oil Pump Valve	
	Notes:	(26400-82A).		h a revised oil pump valve can leak past the valve into the	
		engine resulting in oil carry			
M-881	Y	3-9-1984	(FL (except FLT) FX/XL	Wheel Weights	
	Notes:	rim flange. As a result, automot wheels		ed without a radius on the outer for factory balancing of 16" laced g speed.	
M-882	Y	March 1984	1984 1340сс	Clutch Puller Modification	
	Notes:		er is (95960-528). An alt ing puller (95960-52) by	ernative to purchasing a new tool is adding four holes.	
M-883	Y	3-13-1984	All 1984 models	Tire Fitment	
	Notes:	Correct matching of	tire, tubes and wheels		
M-884	Y	3-20-1984	1978 1/2-1984 FL/FX	Service Manual Corrections	
	Notes:	Attached are correct manuals.	tions/revisions which are	to be inserted In your service	
M-885	Y	4-10-1984	All 1984 models	Information Update	
	Notes:	XR- 1000. The rear axle nut to	rque spec. has been incr	reased on all accept FLH and 1983 of the crankcase numbers were	
M-886	Υ	4-6-1984	1971-E1984 XL/XR	Sprocket Nut	
	Notes:	(to prevent transmis	mainshaft sprocket nut (i ssion oil leakage from sp	35049-71) has been developed. rocket splines) procket covers to accept new	
M-887	Y	4-6-1984	Sidecar	Front Mount (Recall 057)	
	Notes:	a	conducted on one of our	r company owned vehicles revealed oper front mount.	
M-888	Υ	4-17-1984	1340cc Engines	General Svc Info	
	Notes:	A Nylock now used on the diaphragm clutch retaining nut. Diaphragm clutch Adjustment procedure. A gasket, Sportster (27023-71) has been added between the carb and insulator block. Head bolt torque and chassis alignment changed. VOES introduction and changing carb jetting.			
M-889	Υ	4-27-1984	1984 FXST	Shock Absorber Bolts	
		1	1	1	

Notes:					
		hardness specifications.			
M-890	Y	5-2-1984	1984 XL	Alternator / Clutch (Recall 058)	
	Notes:	fragments	dels, equipped with alter om the alternator rotor	rnator/clutches, experienced magnet.	
M-891	Υ	5-18-1984	All	Battery Electrolyte	
	Notes:	Recommendation on	activating new batterie	s including charging rates.	
M-892	Υ	6-22-1984	XL	1000cc Engines	
Notes		L83 style pump. Also has 77-E83 pumps. (See	s service instructions for also Late 1983 oil pump	retrofitting the new pump/ parts to assembly design modification ). The transmission trap door from the	
M-893	Y	9-7-1984	FLH/FX (w drive belt)	Starter Actuator Improvements	
	Notes:	Earlier, secondary belt drive FX and FLH vehicles can be fitted with the new			
M-894	Y	9-7-1984	XL	Production Changes on XL Transmission Cover Alternator Stator Mounting	
	Notes:	MS fourth gear bearing a trapdoor.	assembly is now retained ached directly to the tra	nufactured after July 26,1984, The d within a shoulder in the new apdoor (cover) as well. The L84	
M-895	Υ	9-7-1984	FXEF/FXSB	Crossover Hose	
		The 3-1/2 gal. gas tanks on some of these models shipped with a 4-3/4" crossover hose which is insufficient in length to produce a loop with enough radius to prevent interference with the tachometer mounting bracket.			
M-896	Y	9-21-1984	1340сс	Clutch Adjuster Plate Fasteners	
Notes:		An additional locking means is required to secure the adjuster plate fasteners			
M-897	Υ	October 1984	1985 1340cc	5-Speed Transmissions	
	Notes:	with	985 five-speed transmissetaining countershaft fif	sions may have been assembled th gear.	
M-898	Υ	11-2-1984	1984-1985 FLT/FXR	Service Manual Corrections	
	Notes:	Corrections should b	e inserted in the FLT /FX	(R Service Manual (99483-85).	

M-899	Y	11-30-1984	XL	Midyear Changes to XL Pistons / Oiling System
Beginning with crank Pistons have a new s Piston rings include; A moly-filled top ring ring. Notes: Wrist pin ret. ring (22 (to work on the new Beginning with crank A cam gear oiler has (directing oil from th		tyle cam ground, barrel, a taper-faced second records a modestyle pistons) acase (785 303002) man been added inside the control of the contro	ing and a corrugated expander I on the installer tool (HD-34623). ufactured after October 29, 1984,	

## TSB 900-949

	HARL	EY TECHNI	ICAL SERVICE	BULLETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
M-900	Υ	1-18-1985	1985 FXST	Shock Absorber Bolts
	Notes:	Some 1985 FXST mo bolts that do not meet hardne	•	anufactured with shock mounting
M-901		2-22-1985	Late 1984-up BT	Diaphragm Clutch Adjustment
	Notes:	Details adjusting pro	ocedure for 4 and 5 speed	d models.
M-902 M-902A	Y	6-4-1985 12-20-1985	AII	Locking/Sealing Compounds and Tire Fitment
	Notes:	List of recommended threadlocker and sealant compounds for various applications.  Also includes correct matching of tire, tubes and wheels.  M-902A includes warning advisories with the use of Loctite on thermoplastic parts, precautions, handling, exposure and treatment guidelines for working with Hylomar due to EPS investigations.		
M-903	Υ	5-10-1985	1985 Evo BT	Service Update
	Notes:		ow using a cylinder stud head screw (1) has fema	(3) with male threads at both ends. le threads.
M-904	Υ	5-31-1985	1986 XLH 883	Pre-Delivery Setup
	Addition to the 1985 Motorcycle Setup Manual, includes mounting the horthrottle  Notes: cable brackets to the gas tank front mount, mirrors, bench charging the bench checking throttle cable routing, instrument indicator lights operation and ignition timing.			nirrors, bench charging the battery,
M-905	Y	8-26-1985	All with California Emissions Control	Fuel Supply Closure

Notes:	Diagrams the 3 position petcock (main, reserve and off). Suggests importance of 'off' position when used with a California Emissions Control kit.			
Υ	8-19-1985	1985 Sportster	Identification of Early and Late Transmission Gears	
Notes:	XLH 883 transmission	ons contain "early" style o	gear sets.	
Υ	10-29-1985	All Models	Batteries	
Notes:			ntenance, storage and testing.	
Υ	9-9-1985	1986 1340cc	Hydraulic Lifters	
Notes:	All 1986 1340cc eng	jines use new hydraulic li	fters (18523-86).	
Υ	9-16-1985	All Models	Ignition Components Resistance Tests	
Notes:	Supplement ignition	tests that are not contain	ned in the service manual.	
Y	9-17-1985	Evo 1100cc Sportsters	Vacuum Operated Electric Switch (VOES)	
Notes:	VOES		uction change has rerouted the	
Υ	10-8-1985	XLH	Jiffy Stand Catches	
Notes:	catches	•	, ,	
Υ	1-7-1986	Sound System	Fine Tuning	
Notes:	Removal of P.I.S. cir	cuit.		
Υ	11-5-1985	1986 XLH	Service Manual and Parts Catalog Microfiche Corrections	
Notes:	Corrections for dealers who should also relay the info to customers buying manuals.			
Y	1-31-1986	1986 FXRD	Heat Shield & Passenger Footpeg Stud	
Notes:	Upgrades for early 1	.986 FXRD.		
Y	4-11-1986	Sound System	Troubleshooting	
Notes:	Care and maintenan	ice.		
Υ	1-17-1986	All Models	Valve Stem Seals	
Notes:	New installation inst	ructions for the new valv	e seals	
	Y Notes:	Notes: Suggests importance Control kit.  Y 8-19-1985  All XLH 1100 transm XLH 883 transmissic Late style gears will change.  Y 10-29-1985  Notes: Latest recommenda battery activation, or 9-9-1985  Notes: All 1986 1340cc eng 9-16-1985  Notes: Supplement ignition Y 9-17-1985  On 1986 1100cc Spound wire to a diff Y 10-8-1985  Some 1986 XLH more catches which may allow the the motorcycle to tip.  Y 1-7-1986  Notes: Removal of P.I.S. cir Y 11-5-1985  Notes: Corrections for dealer manuals.  Y 1-31-1986  Notes: Upgrades for early 1	Notes: Suggests importance of 'off' position when use Control kit.  Y 8-19-1985 1985 Sportster  All XLH 1100 transmissions will only contain 'XLH 883 transmissions contain "early" style of Late style gears will be incorporated in XLH 86 change.  Y 10-29-1985 All Models  Notes: Latest recommendations for battery activation, charging, installation, mai 199-9-1985 1986 1340cc  Notes: All 1986 1340cc engines use new hydraulic lity 9-16-1985 All Models  Notes: Supplement ignition tests that are not contain 199-17-1985 Evo 1100cc Sportsters  On 1986 1100cc Sportsters, a mid-year production.  Y 9-17-1985 XLH  Some 1986 XLH models may have been assed catches  Notes: Which may allow the square on the jiffy stand the motorcycle to tip.  Y 1-7-1986  Notes: Removal of P.I.S. circuit.  Y 11-5-1985 1986 XLH  Notes: Corrections for dealers who should also relay manuals.  Y 1-31-1986 1986 FXRD  Notes: Upgrades for early 1986 FXRD.  Sound System  4-11-1986  Notes: Care and maintenance.	

	Notes:		adjuster screws now push	h the axle toward the rear of the old assembly.
M-920	Y	2-11-1986	1986 1340cc (except FXRP)	Ignition Modules
	Notes:			d us that app. 20% of the affected start the vehicle under certain
M-922	Υ	3-28-1986	1986 FLTCFLHT/C	Rear Brake Calipers
	Notes:			high lip partially surrounding the nat may contact the banjo fitting.
M-923	Υ	4-11-1986	All XLs	Clutch Release Components
	Notes:		crankcase numbers 1786 0), new outer ramps and o	
M-925	Υ	34-25-1986	All Models	Handlebar Switches
	Notes:	Beginning with 1980. The switch housings surfaces.		slots in the housing contact
M-927	Y	6-17-1986	XLH Models	Flywheels and Crankpin Bearings
	Notes:	(1100), a new crank pin bea		3 003 (883) and 1886 090 012 heels are being installed. low.
M-928	Υ	5-27-1986	All Models	Turn Signal Flasher
	Notes:	New turn signal flas factory.	her (68543·64B) is being	installed on all motorcycles at the
M-929	Y	5-16-1986	L1986 FLT/FXR	Rear Fork Pivot Shaft
	Notes:		shaft was changed on late nanged, the function is th	e 1986 models. Although the le same.
M-930 M-930A	Y	6-6-1986	Sportster	Hydraulic Lifters
	Notes:	, ,	ikcase No. 1786 127 043 lifters are being installed	(883) and 1886 127 001 (1100), at the factory.
M-931	Υ	6-24-1986	Sound System	Removal/Installation
	Notes:	Procedures for remo FLHTC, FXRD and FLTC	oving and installing the Pi	remium Sound System chassis from
M-932	Y	6-6-1986	1866 1/2-Later FLST	Front Fork Lubrication
	Notes:	The front fork tube added to preload th		the FXST, except that a plug was
<mark>M-934</mark>	Y	11-14-1986	1987 XL	Mainshaft 1st Gear (Recall 61)
	Notes:	demonstrated	-	e to mainshaft 1st gear tooth

M-935	Υ	9-30-1986	1977-1984 FLH	Tires	
			commended Dunlop K103	1A tires, the Dunlop K291T tire can	
	Notes:				
		used on 1977-1984	1	<u></u>	
M-936	Υ	10-27-1986	All 1985-1987 Models	Tire Fitment	
	Notes:	Tire and tube combi		and tire valve combinations.	
M-937	Y	11-14-1986	1987 FLT/FXR FX/FLST/XLH	Crank Pin, Pinion Shaft & Bearings	
	Notes:	And Service Bulletin	ne 1987 Service Manuals M-927 regarding the new on crankpins instead of	v crank bearings.	
M-938	Υ	12-5-1986	1987 XL	Ignition Modules and Left Main Bearing Endplay	
	Notes:	ignition	Individual shims are now	red and replaced by the 1986 or available for XLH sprocket shaft	
M-939	Υ	12-5-1985	FLST	Pre-Delivery and Setup	
	Notes:	Mid-year intro setup	instructions.		
M-940	Υ	1-10-1987	1987 Softail	Changes	
	Notes:	Re-routed wires and oil tank "T" bracket changes.			
M-941	Υ	1-16-1987	Late 1987 FXR / FXST FLST / XLH	Rear Brake Systems	
	Notes:	Hayes rear brake systems now used on all vehicles starting in late 1987 model year.			
M-942	Υ	1-30-1987	1987 XL	Rear Wheel Sprocket	
	Notes:	A quantity of 1987 XLH vehicles may have been shipped with improperly machined rear wheel sprockets.			
M-943	Υ	2-27-1987	5 Speed Transmissions	Gear Change	
	Notes:	Change in the fifth o	gear (35626-79A) on the o	countershaft.	
M-944	Υ	4-24-1987	Late 1987 XLH 1100	Engine Pushrods	
	Notes:		ase number 1887-303-02 engines are being equip	25, ped with shorter pushrods.	
M-945	Υ	5-1-1987	All XLs	Oiling System Check Valve	
Beginning with crankcase numbers (1100), a new style check ball and spring a		kcase numbers 1787-104	1-041 (883) and 1887-105-001		
M-946	Υ	5-19-1987	1340cc	Camshaft End-Play	
	Notes:	New end-play specs			
M-947	Υ	5-11-1987	Late 1987 Sportster and Big Twin	Cylinder Stud and Base Gasket	
Notes:		A new type of cylinder stud and gaskets introduced for ease of manufacturing			

M-948			XL and FX Models	7 Spoke Cast Wheels (16" and 19")
Notes:		This bulletin was an effort to gather additional field data on 1987 7-spoke cast wheels.		
M-949	Υ	6-26-1987	1987 XLH	Transmission Cam Follower
Within the crankcase number range: 1787 063 001 thru 1787 159 608 (883) and 1887 062 035 thru 1887 160 ( Notes: ((1100), a new style cam follower (34063-84A) is being installed on Sportster transmissions.				

#### TSB 950-999

	HARL	EY TECHNIC	AL SERVICE B	ULLETINS		
TSB_#	PDF?	Date	Model(s)	Title - Short Notes		
M-950	Υ	7-2-1987	1986 Sportster	Oil Filter Mount		
	Notes:	The check ball could st So the ball size has bee The new check ball will	Some oil filter mounts with may have an undersized oil passageway. The check ball could stick causing reduced oil pressure. So the ball size has been reduced instead of changing the mounts. The new check ball will be useable on all 1986 and later Sportsters. See also Oil Check Ball (L87 and Up) in the Sportsterpedia.			
M-951	Υ	7-25-1987	All Models	Tire Valve		
	Notes:	a 1-1/4" long tire valve	10999-87) may contain eith e (stamped 413 on valve bo e (stamped 412 on valve b	ttom)		
M-953	Y	8-14-1987	1987 FXR/XL	7-SPOKE WHEEL (Recall 062)		
	Notes:	During accelerated durability tests, certain 1987 FXR and XL vehicles showed evidence of spoke cracking on the cast 7-spoke front and rear wheels.				
M-954	Y	10-30-1987	Big Twin	New Crankcase Breather Gear		
	Notes:	The new design better accommodates slight variations in oil hole position that occur during the manufacturing of the crankcases.				
M-955	Υ	9-8-1987	1988 1340сс	Pinion Gears		
A small number of 1988 1340 cc engines were be have been made of the incorrect material.			ilt with pinion gears that may			
M-956	Υ	10-20-1987	1988 XLH	CV Carb Manifold Alignment		
Notes:		Aligning the hard rubber manifold using the CV carb. <b>Note</b> : This bulletin was replaced by M-963.				
M-957	Y	11-17-1987	L1988 1340cc	Rubber Mount Vehicles Pivot Bolt Retainer		
	Notes:	This Bulletin is to advis change to 1988 rubber	se you of a retaining clip the mount motorcycles.	at was added as a running		
M-958	Υ	12-12-1987	9 Spoke Wheels	Tubeless Tire Valve Stem		

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		Notes:		stems on any vehicle with ed as part of the 062 recal	•
M-959	Υ		4-8-1988	Springer Softail	Pre-Delivery and Setup
		Notes:		escribes Pre-delivery and S	et-up instructions unique to
M-961	Y		4-8-1988	All	Screaming Eagle Carb Kit Accelerator Pump Length
		Notes:	Contained carburetors The incorrect pump roo	e carb kits (91731-85A), pa with accelerator pump roo ds completely disabled the ngine to stumble upon fast	accelerator pump.
M-962	Υ		5-6-1988	All	Tire and Rim Identification
		Notes:		rim marking and approve nowing the proper Dunlop t	
M-963	Υ		5-2-1988	1988 XLH	CV Carb Alignment
		Notes:	Discusses the new rub This bulletin replaces N	ber manifold with molded N-956.	n nubs and the old one.
M-965	Y		5-31-1988	1988 XLH	Adjusting Enrichener on CV Carburetor
		Notes:	-	<del></del>	nrichener control on CV carbs.
M-966	Υ		7-8-1988	All 1988 Models	Brake Banjo Fitting Washers
		Notes:		all brake banjo fittings witl rubber ring in the center, r	n a new type of washer. eplacing the copper washer.
M-967	Υ		6-30-1988	1988 FXSTS	Upper Front Brake Caliper Bolt (Recall 63)
		Notes:	The upper front caliper It's now drilled at the t	r mounting bolt head is bei hread end to accept a cott	ng changed to a 12 point style. er pin.
M-968	Y		9-2-1988	1340cc Engines	One Piece Flywheel-Pinion Shaft
Notes: Starting with 1589 221 007 (49 state) and #2089 221001 (Calif 1340c engines will be equipped with the pinion shaft and the right flyw piece.					
M-969	Y		9-13-1988	1989 FX Softail	Gearcase Cover Removal Installation Procedure
		Notes:	I .		ovement to the FXST/C rear
M-970	Υ		11-17-1988	All	3 Piece Pivot Shaft Torque
		Notes:	Maintenance for the 3	piece, 12 point head pivot	shaft has changed.
M-971	Υ		11-11-1988	1989 XLH and 1340cc Engines	3 Piece Flywheel Assembly Coding Crankcase Sets And Flywheel Assemblies
			-		

		Notes:	Size markings on 1340	service one-piece right sid cc crankcase sets and flyw 1989 XLH flywheel assemb	
M-972	Υ		10-28-1988	1989 FXR	Rear Brake Reservoir Master Cylinder Hose
	'	Notes:	inward	ervoir hose to the M/C calip	er hose could pull the hose ng bracket.
M-973	Υ		11-22-1988	L1986-E1988 1340cc Motorcycles	Transmission Shifter Fork (Recall 64)
		Notes:		nat the shifter fork(s) might ransmission to malfunction.	
M-974	Υ		2-14-1989	1988-1989 RLE-TLE Sidecars	Brake Side Plate (Recall 65)
		Notes:	curved	g the assembly of rear brak flat washers were omitted	te side plate assemblies, from some of the assemblies.
M-975	Υ		3-17-1989	1989 Ultra	Control Pad Switch/ Transceiver Tests
		Notes:	Th1s Service Bulletin is Troubleshooting guide for the 1989 Ultr	s intended to supplement to a Sound System.	he Serv1ce Manual
M-976	Υ		3-10-1989	1988-1989 Sportster	Aluminum Intake Manifold
	'	Notes:	The current "rubber" ir manifold.	ntake manifold will be repla	aced with an aluminum
M-977	Y		6-9-1989	1989 XLH	Air Cleaner Element
		Notes:	As a 1989 running cha Sportsters will be equip	nge; oped with an improved air	cleaner element.
M-978	Υ		5-3-1989	1989 XL	Positive Battery Cable (Recall 66)
		Notes:		+" battery cable used on so cessive wear and chafing if	ome '89 XLs could routed in a certain position.
M-979	Υ		5-23-1989	FLTC/FLHTC Ultra	Sealing DIN Connector
		Notes:	Water shorts pin 2 to g	round and causes continuo	ous muting of the radio.
M-980	Υ		5-23-1989	Springer	Rocker Pivot Studs
		Notes:	Rocker pivot studs (45) manufactured with a the		peen redesigned and are being
M-981	Υ		6-2-1989	1989 Ignition Modules	Coil Wire Terminal Replacement
		Notes:		t between April 20, 1989 an ly crimped ignition module	
M-982	Υ		7-7-1989	Late 1989 XLH 883	Offset Pistons
		Notes:	As a running change, 8	883cc pistons have offset p	iston pins.
M-983	Υ		7-21-1989	1989 FLTC/FLHTC Ultra	Cruise Control System (Recall 67)
Notes:		Notes:	It's nossible the cruise control system may be susceptible to water		

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M-984	Υ		8-18-1989	Late 1989 Engines	Rocker Box Gasket Adhesive
		Notes:			Il inner lip to retain the rocker ace during assembly on these.
M-985	Υ		8-18-1989	1989 Softail	Battery Positive cable
	·	Notes:	coating to	arley-Davidson manufactur	ing is adding a protective ottom, inside edge of the oil
M-986	Y		9-15-1989	1989-1990 1340cc	Clutch Pushrod Adjusting Screw
		Notes:	manufactured	an unknown quantity of th adjusting stud that was "cu	ese motorcycles were upped" at the push rod end.
M-988	Y		10-27-1989	1989-1990 FXST FXSTC/FXSTS	Rear Brake Line (Recall 068)
		Notes:	, ,	nat the steel tube of the reaure as the result of vehicle	ar brake line assembly could operation.
M-989	Υ		12-8-1989	FX	Module Wire Routing
		Notes:	coil	X model year, the wires fro been routed between the o	m the ignition module to the oil tank and the frame.
M-990	Y		1-16-1990	1989-1990 California XL Models	Positive Battery Cable (Recall 69)
		Notes:	possible	y cable used on these XLs se proximity to the evap. e	
M-991	Υ		3-30-1990	1990 1340cc	Clutch Information
		Notes:	Production changes an life.	d a modification that may i	ncrease clutch release bearing
M-992	Υ		3-30-1990	1340cc	Left Side Crankcase
		Notes:	In April, 1990, HD char	iged the design of the 1340	Occ left side crankcase half.
M-993	Υ		3-30-1990	1990 Sportster	Ignition Wire Re-routing
		Notes:	Variations in assembly Contact between the wvent hoses.		oil tank and/or transmission
M-994	Υ		3-30-1990	FLTC/FLHTC Ultra	Changes and Dialectic Grease
	·	Notes:	from inch	Improved sealing of CB po	d toggle switches. Change
M-995	Υ		4-17-1990	L1990 Softail	Batteries
		Notes:	In late 1990 HD received a shipment of batteries from Yuasa on which the vents were offset an additional 0.150" away from the battery case than the vents specified on previous batteries.		
M-996	Y		7-6-1990	1986 and Later XL-FX and FXR	16" Rear Laced Wheel Properly Locate Rim / Hub

	Notes:	A change to 1986-later service manuals to properly locate the rim with the hub.		
M-998	Y	5-31-1990	1990 XLH	Positive Battery Cable Wire Form (Recall 69)
Notes		Some 1990 XLs may have been assembled with wire forms not meeting specifications.		
M-999	Υ	6-12-1990	1990 FLTC/FLHTC Ultra	Cruise Control System (Recall 71)
Notes		The cruise control system in some early 1990 FLTC Ultra and FLHTC Ultra models may be susceptible to water contamination.		

## TSB 1000-1049

Н	ARLEY	TECHNICAL	_ SERVICE BUI	LLETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-1000	Y	10-5-1990	1991 XLH/FX	XLH Volt Reg Wire Re-route. XL/FX FSM Correction.	
	Notes:	XL assembly variations could cause contact between the black voltage regulator wire and the oil tank or transmission vent hose. Also the illustrations for testing the circuit breaker are wrong in XL and FX FSMs. Correction noted in this bulletin.			
M-1001	Y	1-15-1991	1990 FLTC and FLHTC Ultra	Updates	
	Notes:	to; Cruise Control Impeda	·	customer problems related -Ultra Sidecar Speaker Hum. ntrol. BT Throttle Cable	
M-1002	Y	10-16-1990	1991 XLH	Right Footrest Mount (Recall 72)	
	Notes:	It's possible the right side rider footrest mount could fracture if subjected to heavy impact loads.			
M-1003	Υ	11-27-1990	All	1991 Model Changes	
Champion Spark Plugs, Inc. has stopped making the (32317-8) plug.  Notes: New plug is (32317-86A) with same operating characteristics 5/8" hex.  FXRP 4-way flasher wiring changed. FLT model's stoplamp wir					
M-1004	Υ	11-6-1990	Late 1987-Early 1990 XLH/FXR	Front Brake Caliper Upper Mounting Bolt (Recall 73)	

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	Note	C'I -	upper mounting bolt on the fire during normal use.	ront brake caliper(s) might
M-1005	Y	11-13-1990	All Models with CV Carb	Cold Weather Motorcycle Operation
	Note	s: ability	vides information to resolve on ay occur during cold, damp	_
M-1006	Y	12-12-1990	1991 1340cc	Alternator Rotor Compensating Sprocket Spacing
	Note	s: Procedures.		
M1007	Y	12-21-1990	All Models	Rear Caliper Abutment Shims
	Note	C'  '	abutment shims do not have th the mounting bolts are inso	
M-1008	Y	12-21-1990	1990 FLT All E1991 Models	Turn Signal Control Module (Recall 74)
	Note	malfunctions; s: The other turn si may	if a front or rear turn signal I gnal lamp on the same side a , contrary to Federal Motor V	
M-1009	Y	3-26-1991	FXR	Saddlebag Attachment Kits
	Note	s: New beryllium-co	opper (copper colored) retain ge.	ing ring as a mid-1991
M-1010	Y	2-22-1991	L1987-E1990 XLH/FXR	Front Brake Caliper Upper Mounting Bolt (Recall 73 Addendum)
	Note	s: Return of unused	d parts from dealer stock.	
M-1011	Υ	3-26-1991	1340cc	Crankcase Information
	Note	s: chaincase	or leaks between the left crai ethods for repairing leaks dis	
M-1012	Y	6-25-1991	All 1990-1991 Models	30 Amp Main Circuit Breaker (Recall 75)
	Note	resulting	uit breaker might malfunction porary disruption of the electessories.	
M-1013	Υ	7-25-1991	1991 Models	Model Updates

			LT-style sleeves and spac	er shims to adjust wheel		
		end play. The fuel tank filler cap gasket (611 09-85C), except on FLTs, will no longer be				
			ment fuel tanks for parts o	order but it will still need to		
		1340cc changes:				
	Notes:		r the transmission sprock			
		Both transmission sup A new four-sided fuel	serted in the air duct tube port blocks equipped with inlet valve.	•		
		FXR changes:	ide a hole on each side fo	rusing the same		
			tly used on Dynaglide and			
		FLTC and FLHTC Ult		. Sportster models.		
				nd System in February 1991.		
M-1014	Υ	8-26-1991	1991 Sportster	Gas Tank Hardware		
	Nahaa	Additional washers ne	ed to be used to install S	oortster		
	Notes:		mber "1" stamped on the			
M-1015	Y	10-20-1991	1992 Models	Front / Rear Brake Pad Replacement (Recall 76)		
	Notes:		Letion pad to separate fror tor rear caliper assembly	n the backing plate and		
M-1016	Y	9-17-1991	1991 FXDB Sturgis	Jiffy Stand Spring and Anchor Plate		
	Notes:	Improved stand and a	nchor plate.			
M-1017	Y	10-4-1991	1990-Earlier FLT/FLHT	Brake Lamp Relay Kit		
	Notes:	experience	customers complain of a f	, -		
M-1018	Υ	Oct. 1990	All	Neutral Switch		
	Notes:		the hardness of the plun of switches, the plunger p	ger in the neutral switch. lating was done improperly.		
M-1019	Υ	4-3-1992	All	Tire and Rim Identification		
	Notes:	tubes.	d rim marking, approved			
M-1020	Υ	1-24-1992	All	Batteries		
	Notes:	Warranty, setup, mair batteries.	ntenance, storage and tes	ting procedures for		
M-1021	Y	1-21-1992	1989-1990 FX-FL Softail	Positive Battery Cable (Recall 77)		
	Notes:	It's possible the "+" b	attery cable could chafe o	due to proximity to oil tank.		

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Y		2-14-1992	1992 XLH/FXD FXR (except FXRT) FXSTC/FXSTS	New Headlight Assembly New Wiring Harness Connector
·	Notes:	New halogen headlan (NAL).	np assembly (67698-81C)	by North American Lighting
Y		3-14-1992	All	Winter Fuel Conditioner
	Notes:		Fuel Conditioner as a freez	zing point depressant to
Y		5-29-1992	1989-1990 FX/FL Softail	Positive Battery Cable (Recall 078)
	Notes:	The positive battery of service.	cable installed by recall 07	7 could possibly fail in
Υ		5-26-1992	All	Battery Cases
	Notes:	Yuasa changed their battery cases.	molds to eliminate the sha	rp bottom edges of their
Y		7-24-1992	1987-1992 FXR 1990-1992 FXD	Front Fork Pinch Screws (Recall 079)
	Notes:	stop and certain compone	nts contact the fuel tank o	,
Y		8-18-1992	AII	Running Changes.
	Notes:	New camshaft cranko	ase caged needle bearing	in 1340cc engines.
Y		9-18-1992	1987-E1993 FXR/FXD/FXR	Supplement to M-1026 (Recall 079)
'	Notes:	Models added to the	recall.	
Y		12-18-1992	1990-1991 1340cc Big Twins	Carb Fuel Inlet Valve (Recall 081)
	Notes:	ground,		nes release fuel onto the
Υ		10-2-1992	All	Additional 1992 Model Changes
,		lbs. The new '92 horn cau radio. So a horn relay was a	sed radio interference on	models equipped with a
Y		11-25-1992	1993 All Models	Screws (3655) (Recall 080)
	Y Y Y Y Y Y Y	Notes:  Y  Notes:	Notes: New halogen headland (NAL).  Y 3-14-1992 Introducing a Winter eliminate carburetor icing.  Y 5-29-1992  Notes: Frequency of service.  Y 5-26-1992  Notes: Valuate the leak could stop and certain compone bulletin #M-1028 for  Y 8-18-1992  Notes: New camshaft crank of New improved grease value of the leak could stop and certain compone bulletin #M-1028 for  Y 8-18-1992  Notes: Models added to the leak could stop and certain compone bulletin #M-1028 for  Y 12-18-1992  Notes: Models added to the leak could stop and certain compone bulletin #M-1028 for  Y 12-18-1992  Notes: Models added to the leak could stop and certain compone bulletin #M-1028 for  Y 10-2-1992  HD increased the fuel of ground, beyond the intended beyond the intended beyond the intended value of the leak could stop and certain compone bulletin #M-1028 for	Y 2-14-1992 FXR (except FXRT) FXSTC/FXSTS  Notes: New halogen headlamp assembly (67698-81C) (NAL).  Y 3-14-1992 All Introducing a Winter Fuel Conditioner as a freezoliminate carburetor icing.  Y 5-29-1992 1989-1990 FX/FL Softail  Notes: The positive battery cable installed by recall 07 service.  Y 5-26-1992 All  Notes: Yuasa changed their molds to eliminate the shabattery cases.  Y 7-24-1992 1987-1992 FXR 1990-1992 FXD  A fuel tank leak could occur if the front fork assistop and certain components contact the fuel tank obulletin #M-1028 for updates.  Y 8-18-1992 All  Sorrecting Service Bulletin M-1027. Improved concentration of the service of

	No	otes:			
M-1032	Y		1-12-1993	1989-1992 Softail	Starter Relay (Recall 082)
	No	otes:	relocated	starter may short interna	•
M-1033	Y		3-12-1993	E1989 Softail	Supplement to M-1032 (Recall 082)
	No	otes:	Additional information		
M-1034 M-1034A	Y Y		8-31-1993 9-13-1993	AII	Engine VIN Stamping Change
	No	otes:	by	l is changed slightly and ern. Update bulletin corre	the VIN is now pin stamped
M-1035	Y		10-8-1993	All	Carb Float Pin Pedestals
	No	otes:	pin pedestal. One of the pedestals r securely	5	
M-1036	Y		8-23-1993	Fender Screws	Kit # (91080-93) Socket Head Screws
	No	otes:	of 6/93,	front fender rail kit (9108 vs, Part (4326A) which co	0-93) with a packaging date
M-1037	Y		11-5-1993	1994 XL/1340 Models	High Contact Ratio (HCR) Gear Part Numbers.
	No	otes:		ch models contain the HC rs for both standard and	
M-1038	Y		11-16-1993	Early 1994 Sportster	Front Fender Bolts (Recall 084)
	No	otes:	manufactured from	ention bolts of Sportster f hrough October 15, 1993	,
M-1039 INT	Y		2-15-1994	1989-1994 FLT TLE sidecar	Sidecar Adapter Kits
	No		motorcycles	ded to adapt all TLE sided	
M-1040	Y		2-15-1994	1994 Ultra	New Cruise Set/Resume CB (PTT) Switches
	No		The purpose of this se handlebar switches used on Ultra	rvice bulletin is to inform a models.	you of the new sealed

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M-1041	Y	1-10-1994	1993-1994 FLTC FLHTC Ultra	Throttle/Idle Control Cables (Recall 085)
	Note	s: required	•	operating force that may be
		to operate the thr	rottle of some 1993 and 199	Replacing Pinion Bearing
M-1042	Y	4-19-1994	1340cc Engines	Retaining Ring (Product Program #1)
	Note	s: and	is service bulletin is to inform  n bearing retaining ring on (1	n you of the need to inspect
		Teplace the pillion		
M-1043	Y	5-24-1994	1994 XL/1340 Models	New Cylinder Base Gaskets New Cylinder Studs.
	Note	changes.	ase ID numbers that include ger provide interference thre	the new gaskets and stud
M-1044	Y	6-24-1994	1994 1340cc Softail/Dyna	Primary Chain Replacement (Product Program #2)
	Note	s: a number	has learned that the primary may have experienced some	chains used in production on premature wear.
M-1046	Υ	Sept. 1994	FXSTSB	Handlebar Setup
	Note	To allow	the FXSTSB Bad Boy will star	rt to ship in the narrow crate.
M-1047	Υ	Jan. 1995	XLH 883	Coated Pistons.
	Note	s: will be applied	1994 Sportster 883s have c	
M-1048	Υ	11-21-1994	1995 1340cc Engines	Jackshaft Runout
	Note	The starter jacksh model vehicles may have excess	nafts used in production on a	number of 1995 1340cc
M-1049	Y	2-21-1995	1993-1995 FLT	Front Fork Air Control Banjo Bolts
	Note	1993-1994	for the front fork air control vice Manuals, namely 25-30	banjo bolts in both the ft-lbs (34-41 Nm), has been

## TSB 1050-1099

	HARLI	EY TECHNI	CAL SERVICE B	ULLETINS		
TSB_#	PDF?	Date	Model(s)	Title - Short Notes		
M-1050	Y	2-21-1995	1995 FLT Ultra	Headset Speaker Noise		
	Notes:	in .	the headset speakers.	routed "drain" wire that results		
M-1051	Y	3-23-1995	1995 FLHTCU-I	Sequential Port Fuel Injection Service & Parts Supplement		
	Notes:	statements	this bulletin is presented to c e and Parts Supplement (994	•		
M-1052	Υ	8-11-1995	1996 FLHTC Ultra	Reed Switch Wiring Change		
	Notes:			t may short to the reed switch		
M-1053	Υ	9-20-1995	All	Instrument/Gauge Replacement Guidelines		
	Notes:	This bulletin has guidelines on how to determine if warranty replacement is justified on instruments that do not zero and/or exhibit moisture on the inner face of the lens.				
M-1054	Y	10-3-1995	5 Speed Sportster	Replacing 5th Gear Mainshaft Assm. (Product Program #3)		
	Notes:	Some 5 speed Sportster engines have been assembled using mainshaft bearings not meeting H-D specifications.				
M-1055	Y	10-10-1995	1988-1996 XL883-XL1200 1991-1996 1340cc	Air Cleaner Filter Elements (Recall 086)		
	Notes:	Two replacement air cleaner filter elements (29330-96) and(29331-96) contain a baffle plate which could detach and become lodged in the throat of the carburetor.				
M-1056	Υ	1-26-1996	XLH/FL/1340	1996 Model Year Running Change Update		
	Notes:	883/1200 XLH has a new clutch outer ramp. The 1200 XLH has a fire ring on the head gasket and Teflon coated pistons. 1340cc engines have a new oil filter mount adapter plus the fire ring on the head gasket. FLs got new brake line clamps and the VIN stamp was moved to the right side of the frame.				
M-1057	Y	7-16-1996	All EFI Models	EFI Intermittent High Idle		

	Notes:	models were	from dealers that electronic	, , , ,	
			FLT Ultra	Volume Control	
M-1058	Υ	4-26-1996	FLT Classic	Replacement Switch	
	Notes:	The replacement vo differently on FLT Ultra and FLT C	lume control switch (71593-	•	
M-1059	Y	6-19-1996	1996 Sportster/FX Softail Dyna/FL Softails	Rear Brake Master Cylinder (Recall 087)	
	Notes:	contain a seal that in certail cylinder	aster cylinders, supplied by l n situations, may move out o le loss of rear braking perfor	of position on the rear master	
M-1060	Υ	11-19-1996	AII	1997 Supplemental Service Information	
M-1061		only. Sportster: The posit and must be routed up to connected to the battery. FLSTS: Procedure for pawl. FLSTS/FXSTS/FXSTS FLSTS: Transmission baffles. FLT: License plates FL: Check for ignition Other: Tour Paks and	ive battery cable is shipped through the hole in the rubber fixing a bound front end. Constitution and the removed in some states may not fit the sensor wire location.	Correct tool to adjust shifter  . Don't remove the muffler  ne bracket.	
M-1061	Y	8-21-1996	1997 XL	Wheel Bearing Grease	
	Notes:		.997 XLs manufactured with nsufficient amounts of whee		
M-1062	Y	Oct. 1996	FXDWG FLSTC FLSTF FLSTS	Handlebar Setup	
	Notes:	In October 1996, the FXDWG, FLSTC, FLSTF and FLSTS will start to ship in the narrow crate. To allow use of a narrow crate, the handlebars are removed and fastened lengthwise to the riser.			
M-1063A	Y	11-1-1996	1994 FL 1995-1997 XL/FX FX/FL Softail FL Models	Vacuum Operated Fuel Valves (Recall 088)	

	Notes:	The effects of reformulated gas along with certain usage of the vacuum petcock could affect the supply of gas to the carb. This condition required two factors: the use of reformulated fuels containing MTBE, and starting the motorcycle with the fuel valve handle in the OFF position.				
M-1064	Y	1-24-1997	1997 Dyna Softail/XLH	Service Manual Update		
	Notes:	Correcting errors in Manuals.	Correcting errors in turn signal charts as printed in these model Service Manuals.			
M-1065	Y	12-10-1996	All	API Oil Service Designation Change		
	Notes:		een prepared to inform you o ve engine lubricating oils for	f a new service designation WATER-COOLED gas engines.		
M-1066	Y	12-20-1996	Parts Stock	Electronic Fuel Injection Update		
	Notes:	The fuel injection program began in 1995. There were very few actual problems with the fuel injection components (less than 3 in 1000 vehicles). So there is little need for dealers to have a large inventory of fuel injection parts.				
M-1067	Υ	6-13-1997	1997 EFI Models	ECM Recalibration		
	Notes:	The batteries of 1997 fuel injected vehicles may discharge with the ignition/light key awitch in the OFF (FLHTC/U-I) or LOCK (FLHR-I) position.				
M-1068	Y	9-26-1997	1980-1998 All	Tire and Rim Identification		
	Notes:	This Bulletin gives information on tire and rim marking, approved rim contours and contains charts showing the proper Dunlop tires to install on 1980-1998 Harley-Davidson motorcycles.				
M-1069	Y	10-21-1997	Helmets	Americana/Flame & Stinger Graphics Half Helmets (Recall 089)		
	Notes:	Certain helmets chinned from the ACE Distribution Center from May 18, 1997				
M-1070	Y	12-12-1997	1998 FL Touring FL Softail	Rear Brake Pedal Assembly (Recall 090)		
	Notes:	The rear brake ped	al assembly may have an ina	idequate weld.		
M-1071	Y	7-22-1998	1994-1998 FL Touring Models	Ignition Switch (Recall 091)		
	Notes:		The affected motorcycles may be subject to a loss of electrical power through the			
M-1072	Y	8-21-1998	L1998-1999 FLTR	Headlamp Assembly Mounting Clips		
	Notes:	This Bulletin gives information on improved headlamp assembly mounting clips (67981-98A).				

M-1073A	Υ	10-12-1998	Tour Pak	Lid gasket Modification
Notes:				
		eliminate King To	our-Pak lid rattle.	
M-1074	Y	10-6-1998	Backrest Kit	Detachable Backrest KitS (Recall 092)
	Notes:	Under certain co	nditions the backrest co	uld detach from it's front mounts.
M-1075	Y	10-30-1998	Horn Cover	Custom Horn Cover (Recall 093)
	Notes:	the	g to possible fuel leakag n horn cover (69528-98)	e, can occur between the fuel line and
M-1076	Y	11-16-1998	1993 XL883C	Custom Certification Label (Recall 094)
	Notes:	The certification (MH90-21 56H).		FMVSS 120 section 5.3. size (100/90-19 57H instead of ain the correct model designation (XL
M-1077	Y	11-16-1998	1999 FLT	Fuel Tank & Voltage Regulator Setup
	Notes:	Fuel tank alignm	ent and voltage regulate	or wiring harness routing.
M-1078	Y	4-9-1999	1994-1999 Dyna	Convertible Saddlebag Service Kits
	Notes:		ermit certain repairs to be eed for costly saddlebage	e made to these saddlebags, thus g replacement.
M-1079	Y	1-22-1999	1999 TC 88	Cam Sprocket Bolt Replacement (Recall 095)
	Notes:	The cam sprocke break.	t bolt on certain 1999 m	nodels could lose its clamp load and/or
M-1080	Y	5-17-1999	Quad Ring	Clutch Inspection Cover Seal
	Notes:	New quad ring (2	.5416-84A).	
M-1081	Υ	2-3-1999	All	Electronic Speedometer
	Notes:	developing spots on the odometer occur when	·	rs used on 1999 models are as revealed that the problem may
M-1082	Y	3-12-1999	FXR/FXD	SE Race Brace Supports (Recall 096)
	Notes:	limit	edal could come into co	ntact with some of these which could
M-1084	Υ	5-1-1999	Softail/Dyna Glide	Carb Update
	<u> </u>		33.13, 2 3.114 3.1146	

M-1098	Υ	4-28-2000	L1999-2000 XL	Gearcase gaskets	
	Notes:	installed in Twin C	er 14, 1999, a new rear cam r am 88 and Twin Cam 88B end	,	
M-1097	Y	12-21-1999	Twin Cam 88B	Roller Bearing Assembly	
		fairing	nber, 1999, a running change  dels increases the flow of air a	Š	
M-1096	Υ	11-16-1999	FLHT	Fairing Lower	
		manufactured with a handlebar t		,	
M-1095	Υ	11-12-1999	1999-2000 XL1200C	Handlebar Replacement (Recall 0100)	
	Notes:	Re-mount vapor v bulletin.	alve and bank angle switch fo	ļ	
M-1093	Υ	11-19-1999	1999-2000 FLT	Vapor Valve / Bank Angle Switch Mounting (Recall 0101)	
	Notes:	New flange and se	eal configuration.		
M-1091	Y	10-12-1999	1990-Later BT 1989-Later XL 1999-Later TC-88 Certain SE Manifolds	Updated Intake Manifold Seals	
	Notes:	The new Absorbed improved cranking	d Glass Mat batteries provide l g.	longer service life and	
M-1089 M-1089A	Y Y	10-5-1999 4-15-2005	AII	Charging Sealed AGM Batteries	
		A grounding issue may exist with the voltage regulator.			
M-1088	Υ	9-22-1999	2000 XL	Voltage Regulator	
		The certification label(s) were not installed where required.			
M-1087	Υ	9-13-1999	1997/1999 MT-500	Certification Label (Recall 097)	
	Notes:	Voluntary recall to affected vehicles.	inspect, and if required, repl	ace the axle on all potentially	
M-1086	Υ	8-18-1999	1998 Sidecar	Axle (Recall 099)	
	Notes:	The fuel tank vent plugged.	line connector (61131-92) or		
M-1085	Y	8-4-1999	49 State Dyna/FXR/Softail	Fuel Tank Vent Line Connector (Recall 098)	
	Notes:	cause	ugh. This condition can be cor	el mixture may be too lean and rected by installation of	

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		Late production 1999 Sportster and Buell engines use the 2000 gearcase cover/gasket.		
M-1099	Υ	2-15-2000	1999-2000 All	Service Information
1999 FL/Dyna engine sensor harness, FL voltage regulator cables. FL/Softail 5" speedometer. 2000 FL EFI fuel gauge. New tail lamp bulb on all 2000 models. Notes: 2000 FL has a new starter relay, tourpak side marker bulb. AGM batteries for all and to retrofit earlier models. New rear tire on 2000 police models. Corrected flow chart for 2000 FLT FEM.				ge. arker bulb.

# TSB 1100-1149

	HARI	LEY TECH	NICAL SERVICE BU	LLETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-1100	Y	7-10-2000	1999-Early 2000 Twin Cam 88 Twin Cam 88B	Cam Bearing Repair Kits	
Notes:		Two repair kits are now available to expedite rear cam bearing repair			
M-1101	Y	4-25-2000	FLTRSEI	Idle Speed Setting/ Wiring Diagram	
Notes:		Some early production models were shipped with an improperly adjusted hot idle.			
M-1102 M-1102A	Υ	3-9-2001	2000 FLTRSEI	Clutch Cable Mounting	
Notes:		HD has elected to install the latest clutch cable guide and clamp on all 2000 FLTRSEI motorcycles.			
M-1103	Υ	7-28-2000	2000 Sportsters	Revised Transmission Vent Hose Routing	
Notes:		The new routing eliminates sags (low points below fitting at crankcase) in the hose where oil may collect and be forced out later.			
M-1104	Y	8-15-2000	2000 Sportsters	Ignition Switch and Key Kit	
	Notes:		pair/ warranty procedures to remete the key to be removed with switch		
M-1105	Y	8-10-2000	FLTRSEI	Idle Speed Adjustments Magnetti-Marelli EFI	
Notes:		New cold/warm-slow idle speed setting procedure for all Magnetti-Marelli EFI equipped vehicles with "stock" ECM calibrations.			
M-1106	Y	2-16-2001	1999-2001 FLHTCU-I	Cruise Control Inoperative Diagnostics	
	Notes:	Updating FLT manuals (99483-99), (99483-00) and (99495-01).			
M-1107	Y	2-20-2001	1999-Later FLT	Stator/Voltage Regulator Connector Relocation	

	Notes:		stator wires and placement of the ow primary chaincase lubricant to		
M-1108	Y	4-2-2001	2001 Sportster	Emission Control Label (Recall 0600,0601,0602)	
	Notes:	Certain 2001 Sport Control Information	sters were manufactured with the label.	incorrect Vehicle Emission	
M-1109	Υ	1-23-2001	2001 FXDL	Jiffy Stand Leg	
	Notes:	The jiffy stand legs	may not fully lock in the down or	forward position.	
M-1110	Y	12-22-2000	2001 FLT (EFI)	High Current Draw (Product Program PP6)	
	Notes:	A condition could e engine was shut of	exist that allows the battery to grade.	dually discharge if the	
M-1111	Υ	2-16-2001	1999-Later FLT	New Stator	
	Notes:	On January 2, 2001 An improved stato	i; r went into production on all fuel in	njected FLT models.	
M-1112	Y	4-9-2001	1999–Mid 2001 Twin Cam 1997–1998 Evolution	Fuel Injected Calibration Changes	
	Notes:	Improved ECM cali Technician.	brations now available for select n	nodels using Digital	
M-1113	Y	8-13-2001	2002 EFI Softail/Touring	TSM/TSSM Module Change	
Notes:		A change made to the TSM/TSSM module because of an ECM change on 2002 EFI models.			
M-1114	Y	10-4-2001	1999-Later Twin-Cam 88	SE Ignition Module (Recall 0103)	
	Notes:	Twin-Cam 88 Screamin' Eagle Ignition Modules could, under certain conditions, shut off without warning.			
M-1115	Y	11-9-2001	2001-2002 All (except Sportster) 2000 models (with access security)	TSM/TSSM Light Bulb Voltage Detection	
	Notes:	Proper setup proce	dure for turn signal modules and t	turn signal security modules.	
M-1116	Y	9-10-2001	Late 2000-Early 2001 Sportsters	Engine Sprocket Nut	
	Notes:	Some models were	produced with an incorrectly mar	nufactured sprocket nut.	
M-1117	Υ	10-3-2001	2001 Dyna Glide	Fuel Hose Clamp	
	Notes:		kist on certain 2001 models that cand the carburetor inlet.	an cause the fuel hose to	
M-1118	Υ	10-8-2001	2001 SE FLTRSEI	CD Changer Upgrade	
	Notes:	Radio Sound, Inc. h	nas developed an upgrade to the s		
M-1119	Y	1-10-2002	2001-2002 FLT	Front Fender Tip Lamp Jumper Hatrness (Recall 0105)	
The clips retaining the front fender tip lamp jumper harness can become Notes: detached on certain 2001 and 2002 FLT model motorcycles.			narness can become		

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M-1120	Y	1-25-2002	V-ROD	Technical Literature Update			
	Notes:	The purpose of th publications.	The purpose of this bulletin is to inform dealers of two errors in VRSCA publications.				
M-1121 M-1121A	Y	3-19-2002	2001-up EFI Softail 2002 EFI Touring	New "Base" Calibration ECM			
	Notes:		alibration ECM is to replace faulty uel injected domestic Big Twins or				
M-1122	Υ	4-8-2002	2002 FLHRSEI	Turn Signal Brackets			
	Notes:	A running change	which relocates the front turn sig	nals.			
M-1123	Y	6-14-2002 5-20-2020	2002 Dyna/Softail	Carb Jet Needle (Recall 0603)			
	Notes:	meet	puretor equipped Dyna and Softail	•			
M-1124	Υ	8-6-2002	2002 VRSCA	Idle Improvement			
	Notes:		ion upgrade available to improve he idle speed drops below the rec	the idle characteristics a			
M-1125 M-1125A	Y	10-25-2002	2000 FLTRSEI	Braided Clutch Cable (Recall 0106)			
Notes:		The fully braided clutch cable may contact the rear brake line and cause the brake line to abrade over time, thereby causing loss of rear brake fluid.					
M-1126	Y	11-1-2002	2003 CVO	Breather Baffle Replacement			
	Notes:	performance	etal breather baffle assembly is m stic one adopted as a running cha	_			
M-1127	Y	11-15-2002	1999-2003 Twin Cam	Upper Connecting Rod Bushing			
	Notes:	The upper connec	ting rod bushing specs in the serv	rice manuals are not correct.			
M-1128 M-1128A	Y	11-14-2002 9-11-2003	2001-up Softails 2002-up VRSCAs 2002-up Touring	New Password Learn Procedures			
	Notes:		ave been experienced with the Pa M module replacement)	ssword Learn Procedure .			
M-1129 M-1129A	Υ	11-22-2002 7-17-2006	2000-E2007 EFI models	Flashing Trouble Codes			
Notes:			the ECM, the procedure by which congine lamp has been affected.	trouble codes are flashed			
M-1130	Y	2-12-2003	2002 FXDWG3	Rear Brake Line (Recall 0107)			
	Notes:	The rear brake lin	e can fracture internally causing l	oss of rear brake fluid.			
M-1131	Υ	2-7-2003	2003 Sportsters	Rear Wheel Spacer I.D.			

	Notes:	Some 2003 Sportsters were produced with incorrect rear wheel spacers (left side).  May affect assm. stack up / cause brake noise similar to a lightly applied rear brake.  The incorrect spacer (43617-00A) is the wrong length. Correct spacer (43654-00A).			
M-1132	Y	2-19-2003	Twin Cam 88/88B 5 speed Sportster CVO/Buell	Head Torque Procedure	
	Notes:	heads.	head torque procedure improves  Evolution 1340 or 4-speed Sportste	,	
M-1133	Υ	3-4-2003	2003 Sportster	Service Manual Update	
	Notes:	The 2003 Sportste deflection adjustn	er Service Manual (99484-03) incor	•	
M-1134	Υ	3-31-2003	2003 SE FLHRSEI2	ECM Calibration Upgrade	
	Notes:		rnal to the ECM, certain production relation to the ECM, certain production relationship to the control of the		
M-1135	Y	4-8-2003	2003 Road King/Softail FXDWG/FXDP	Ignition Switch Cover	
	Notes:		issue with the ignition switch cover n vehicles featuring a fuel tank cor		
M-1136	Y	4-16-2003	2002 XL1200C	Mirror Replacement (Recall 0108)	
	Notes:	Certain 2002 1200 Custom Sportsters, equipped with long stemmed mirrors, have a condition whereby the left side mirror stem may fracture.			
M-1137	Y	6-3-2003	2001-2003 Softail 2002-2003 Touring 2002-2003 VRSCA	Voltage Regulator Information Update	
	Notes:	Communicating a need for dealers to make corrections to the Electrical Diagnostic manuals of models with series style voltage regulator/rectifier.			
M-1138	Y	8-26-2003	1998-2003 Touring Models	Setting Required On Replacement Radios	
Notes		A change to the design of replacement radios requires the motorcycle model year be selected under the model year configuration screen.			
M-1139	Υ	8-26-2003	2004 Sportsters	Initial Care Program	
_	Notes:	Providing informa	tion on the Initial Care Program for	2004 Sportsters.	
M-1140	Y	10-8-2003	2004 Sportster Touring/Dyna/Softail	Electrical Diagnostics Manual Update	
	Notes:		need for dealers to make correction ent sections of some Electrical Dia		

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M-1141 M-1141A	Y	10-30-2003	2003-E2004 VRSC	Fuel Module Flange replacement Product Program (PP8-Update)		
	Notes:	The new seal (12052A) is an improved design.				
M-1142	Y	10-24-2003	2004 Sportster Touring/Dyna	Service Literature Update		
	Notes:	Communicating u	pdates to 2004 model year service	literature.		
M-1143	Y	11-1-2003	2004 Sportsters	Oil Tank Vent Hose Routing (Product Program PP9)		
	Notes:		t hoses may have been incorrectly a pinched hose which does not all			
M-1144	Y	12-5-2003	1999-Later Touring models	Oil Cooler Kit		
	Notes:	One of the oil lines may contact the engine crankcase. This condition could cause the oil line to abrade over time, causing engine oil to spill.				
M-1145	Υ	2-2-2004	2004 FLHTCUI	Ultra Sidecar Audio		
	Notes:	Early 2004 FLHTCUI models lack the necessary wiring for operation of the Ultra sidecar audio system.				
M-1146	Y	2-13-2004	KBC Helmets	Helmets (Recall 0110)		
	Notes:	impact	in this campaign may not comply equirement of Federal Motor Vehic	·		
M-1147	Y	1-23-2004	2004 Dyna Glide	EFI Fuel Tank (Recall 0111)		
Notes:			of 2004 Model Year Dyna Glide fue installed on Dyna Glide carbed eng ards.			
M-1148 M-1148A	Y	2-13-2004 7-12-2004	Late 1984-Up Big Twins	Inner Primary Mainshaft Oil Seal Change		
		The new seal (120	D52A) is an improved design.	I		
M-1149	Y	2-12-2004	2004 Dyna (EFI)	Fuel Line Replacement (Recall 0112)		
	Notes:	The rubber fuel hose may separate from the inner liner causing a fuel leak.				

#### TSB 1150-1199

F	IARLE	Y TECHNIC	CAL SERVICE BU	LLETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
M-1150	Υ	3-5-2004	1995-1996 EFI Touring	Magneti-Marelli ECM

			and a second	Challe by a supposed by the		
	Notes	• 1	Correct adapter cable to use when using TechLink to connect to the non-programmable Magneti-Marelli ECM.			
M-1151 M-1151A	Y Y	4-15-2004 6-10-2004	2001-2003 FL Touring Police	Main Circuit Breaker Replacement		
	Notes	s: could	On certain models, a condition may exist whereby the 40 amp main breaker could open due to reasons other than for which it was designed.			
M-1152	Υ	4-23-2004	2004 Sportsters	Fuel Tank Console		
	Notes		As a running change, the XL Custom fuel tank console assembly has been redesigned to minimize the potential for console fitment complaints and seat			
M-1153	Y	5-27-2004	L2003-E2004 Sportster Dyna/Touring	Taillamp Bulb Replacement (Recall 0114)		
	Notes	s: light	The existing taillamp bulb could become loose in the socket and render tail			
M-1154	Y	5-8-2004	2004 FXSTS/I	Throttle/Idle Cable Guide (Product Program P10)		
	Notes	Some models are equipped with throttle/idle cable guide that may abrade cables.				
M-1155	Y	8-16-2004	2004 VRSC	Emissions Decal Replacement (Product Program P11)		
	Notes	An incorrect emissions decal was installed on certain California V-Rod				
M-1156	Y	8-16-2004	2004 VRSC	Aux Volume Replacement (Product Program P13)		
	Notes	Certain models shipped to California are equipped with an international (HDI) catalyst containing auxiliary volume not intended for the California market.				
M-1157	Υ	6-25-2004	2004 VRSCB	Instrument Housing Bezel (Product Program P12)		
	Notes	On some motorcycles, sunshine reflected by the bezel has cosmetically damaged the speedometer needle.				
M-1158	Y	7-20-2004	2004 Sportsters 2004 Softails	2004 Service Literature Update		

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	Notes:	Electrical Diagno read "0°-58° BTDC (ra Correct step 3 ur It is important to Fork stem lower Fork oil change s Correct the "Timi BTDC". 04 Softail models	nge), 10° BTDC @ 1000 RP oder Current and Voltage Of pre-lubricate the needle be bearing procedural change pecifications and procedura ng with engine speed at 95	utput Test; earings in the main drive gear.	
M-1159	Y	10-1-2004	2004 FLHTCSEI XL883/1200 Buell XB9R/S XB12R/S	Australian Stationary Noise Level Label	
	Notes:	Australian motor for other services		el over old label when the bike is in	
M-1160	Y	10-28-2004	2004-2005 Touring Softail/Dyna V-Rod/Sportster	California Evap Canister (Recall 0115)	
	Notes:	Certain motorcycles built for the California market may have an evaporative fuel canister on which a port is blocked.			
M-1161	Y	10-11-2004	1994-Later Big Twin	Improved Starter Jackshaft Lip Seal	
	Notes:	A new improved starter jackshaft lip seal will be introduced as a running change on all 2005 Big Twin			
M-1162	Υ	10-20-2004	All	ICM Software Update	
Notes		software update. Bulletin ¡ to	provides part IDs, update b	vide an ICM strategy and PPU enefits, and associated procedures sheet dated March16,2005 for	
M-1163	Y	12-16-2004	2004-2005 Dyna Glide	P&A Voltage Regulator Cover (Recall 0116)	
Notes		On certain motorcycles normal front suspension travel, under certain riding conditions, could allow the rear tip of the front fender to become locked in the voltage regulator cover installed.			
M-1164	Y	12-21-2004	2005 FLHTPI	ABS Warning Lamp Malfunction (Recall 0117)	
	Notes:	If the fuse should blow, the rider will lose power to the ABS warning lamp at			

				1	
M-1165	Υ	1-18-2005	2004-2005 Carbed Motorcycles	Fuel Delivery System Investigation	
Notes:		With an issue diagnosed as a misadjusted/improperly adjusted float, or any diagnosis that requires removal of the float bowl, return entire carb to HD 'un-tampered' for observation.			
M-1166	Υ	1-25-2005	2006 VRSCR	Initial Care Program	
			on on the Initial care Program		
M-1167	Y	1-26-2005	2005 XL/Dyna Softail/Touring	Fuel Shutoff Valve (Recall 0118)	
	Notes:	manufactured	s were built with a fuel shut-of a result, the functionality of the eversed.		
M-1168 M-1168A	Y	11-10-2005	2004-2006 XL	Inner Rocker Covers	
Notes		have	with chrome rocker covers but etween the upper and lower ro se lower cover.	-	
M-1169	Y	5-24-2005	2002-2005 Softail	Certification Label (Recall 0119)	
	Notes:	These vehicles may have a VIN/certification label that contains incorrect tire size and inflation pressures for the front wheel.			
M-1170	Y	5-27-2005	2003-2005 Touring Softail/Dyna CVO/Twin Cams	Compensating Sprocket Torque Procedure	
	Notes:	Torque and 'turn of nut' procedure for tightening compensator sprocket.			
M-1171	Y	6-24-2005	2005 FLHTPI FLHPI/FLHPEI	ABS Brake Line Routing (Recall 0120)	
	Notes:	These vehicles may have been built with anti-lock brake system lines that			
M-1172	Y	7-23-2005	2006 VRSCD FXDB/Dyna	Black Denim Paint Care Instructions	
	Notes:		of the characteristics of Black lork.	Denim paint and the required	
M-1173 M-1173A M-1173B	Y	7-23-2005 12-19-2005	All Equipped	Advanced Audio Initial Care Program	
	Notes:	Providing the AAS Initial Care Program for 2006 motorcycles equipped with the			
M-1174	Υ	7-23-2005	2006 Dyna	Initial Care Program	
		<del>-</del>	J · ·	1 2 2 2 2	

	Notes:	Bulletin Provides in	formation on the Initial Care	Program for 2006 Dynas.
M-1175	Y	7-23-2005	2006 Sportster	Powertrain Initial Care Program
	Notes:	Bulletin Provides in	formation on the Initial Care	Program for 2006 Sportsters.
M-1176 M-1176A	Y	10-10-2005 11-11-2005	2006 Touring models	Advanced Audio System Software Update
	Notes:		and make the receiver compa	ons, v6.8.0 or v7.4.0, to v7.8.0 tible with options including the
M-1177	Y	9-30-2005	2005 FLHTCSE 2006 FLHTCUSE	Front Brake Line (Recall 0123)
	Notes:	The affected vehicl manufacturing defe	les may have front brake line ect.	s that could leak due to a
M-1178	Y	10-19-2005	2004-2006 Sportster	Service Literature Update
	Notes:	Communicating up Manuals.	dates and corrections to 200	4-2006 Sportster Service
M-1179	Y	10-25-2005	2006 FLHX/I	Mirror Relocation (Recall 0121)
	Notes:	The affected vehicl the inner fairing.	les were built with mirrors tha	at were improperly located on
M-1180 M-1180A	Y A	10-25-2005 12-13-2005	2004 Dyna/FXDL/I FXDWG/I/FXD/I FXDX/I/FXDP	Throttle Cable Routing (Recall 0122)
	Notes:	to contact the tunnel	portion of the fuel tank possi	may allow the throttle cables bly wearing through the tank, of a fire and possible injury or
M-1181	Y	11-17-2005	AII	2006 Service Literature Update
	Notes:	literature	dates and corrections to 200	6 service and owner's
M-1182	Y	12-1-2005	2006 Touring Models	Improved Front Rubber Mount
	Notes:		ge on 2006 models, the new f	ront mount (16207-79C) will
M-1183 M-1183A	Y	12-7-2005 6-30-2006	2006 Dyna	2006 Dyna Transmission (Recall 0124)
	Notes:	Updated for a char assembly.	nge to the recall kit part numb	per and the detent arm kit
M-1184	Y	2-23-2006	2006 VRXSE	Customer/Dealer Information

	Notes:	The purpose of thi information.	s bulletin is to provide custom	er / dealer support	
M-1185	Y	2-20-2006	2006 1450 Big Twins	Fuel Injector, Calibration Changes	
	Notes:		spray fuel injectors may cause riveability problems on some i		
M-1186	Y	11-20-2006	2007 Big Twins	ECM Calibration Upgrade (Product Program 0903)	
	Notes:	application	nt to the ECM calibration smoo	·	
M-1187 M-1187A	Y Y	6-27-2006 8-2-2006	2004-2005 XL883R/XL1200R	Master Cylinder (Recall 0125)	
	Notes:	may	aster cylinder on certain Sport se lamp to stay lit after the bra		
M-1188	Y	6-16-2006	2005 FLHTCSE2	Interior Light (Product Program P14)	
	Notes:	On certain models, failure of the mechanical switch may cause the Tour-Pak interior light to stay on when the lid is closed, possibly resulting in battery drain.			
M-1189	Υ	7-15-2006	2007 Sportster	Initial Care Program	
	Notes:		vs Harley-Davidson to monitor nents and provide rapid resolu		
M-1190	Y	6-19-2006	2006 Touring Models	Fork Lock (Product Program 0900)	
	Notes:	l .	oe broken if the rider attempts	to turn the handlebars while	
M-1191	Y	7-14-2006	All 2007 Touring and Police Models	Engine Idle Temp Management System	
	Notes:		rear cylinder cooling with vehi omer decides to delete rear cy	icle stopped while engine is linder cooling, he may contact	
M-1192 M-1192A	Y	7-10-2006 7-17-2006	2000-E2007 AII	Swapping and Aligning Fixed Dual Discs	
	Notes:	disc	ning the front brake discs on rantly reduce brake squeal.	notorcycles having fixed dual	
M-1193	Y	7-14-2006	2007 Twin Cam	Initial Care Program	
	Notes:	Bulletin Provides in motorcycles.	nformation on the Initial Care I	Program Twin Cam	
M-1194	Y	8-1-2006	VRSC FXDWG/FX	HD Predelivery Setup Manual Update	
	Notes:	Additional details	needed to set up vehicles for o	customer delivery.	

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M-1195	Y	8-18-2006	2007 FLSTF	Fork Slider Cover Product Program
	Note	s: fork slider cove		ealers to the possibility that the front t fender of 2007 Fatboy motorcycles
M-1196	Y	9-29-2006	2006-2007 Touring	Audio System Update
Notes: Updated software for the Advanced Audio System has been released.				
M-1197	Y	11-8-2006	2006 FLHTCUSE	
	The purpose of this service bulletin is to inform dealers of a running change of the purpose of this service bulletin is to inform dealers of a running change of the purpose of this service bulletin is to inform dealers of a running change of this service bulletin is to inform dealers of a running change of this service bulletin is to inform dealers of a running change of this service bulletin is to inform dealers of a running change of this service bulletin is to inform dealers of a running change of this service bulletin is to inform dealers of a running change of this service bulletin is to inform dealers of a running change of this service bulletin is to inform dealers of a running change of the purpose of this service bulletin is to inform dealers of a running change of the purpose of this service bulletin is to inform dealers of a running change of the purpose of the purpo			
M-1198	Y	11-21-2006	Wheels (painted)	Preventing Cosmetic Damage
	Note	s: recommendatio	ded to inform dealer per ns tic damage to painted wl	·
M-1199	Y	11-30-2006	2006 Dyna	Battery Caddy Bolt (Recall 0126)
	Note	Certain motorcy s: under normal riding co	·	addy bolt (4763) which may loosen

### TSB 1200-1249

Н	ARLE	Y TECHNIC	AL SERVICE BULL	ETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-1200 M-1200A	Y Y	1-15-2007 3-7-2007	2007 XL	Voltage Regulator	
	Notes:	These models were built with voltage regulator (74546-07) which, as a result of a greater body thickness than used in previous model years, may contact the front fender under certain conditions.			
M-1201	Υ	1-12-2007	2006 FXDWGI 2007 FXDWG	Handlebar (Recall 0127)	
	Notes:	These models have internally wired handlebars which have a potential to crack at the hole where the wires exit the handlebars between the handlebar clamps.			
M-1202	Υ	2-9-2007	2007 Dyna/Sportster	Front Tire (Recall 0129)	
	Notes:	Models that specify a 100/90-19 front tire may have been assembled with a 90190-19 front tire.			
M-1203	Υ	3-9-2007	2007 Sportster	Wiring Harness	

	Notes:	been	his service bulletin is to detail a		
M-1204 M-1204A	Y Y	3-13-2007 3-21-2007	2006 Touring models	Voltage Regulator (Product Program 0902)	
	Notes:	Certain 2006 Tou voltage regulator.	uring models were assembled w	vith a potentially defective	
M-1205	Y	3-16-2007	2007 VRSC 2006-2007 Dyna 2007 Big Twin	Service Literature Update	
	Notes:	Communicating (	updates to 2007 model year se	rvice literature.	
M-1206	Y	4-9-2007	2007 Sportster	Electrical Diagnostic Manual Update	
	Notes:	Updates and corr	rections to the manual (99495-	07).	
M-1207	Y	5-3-2007	2007 Softail	Battery Cable Routing (Recall 0130)	
	Notes:	Recall consists of installing a battery caddy which includes a cable routing channel and protective shield.			
M-1208 M-1208A M-1208B	Y Y Y	7-5-2007 7-18-2007 1-17-2008	2006-2007 XL1200L 2007 XL1200N	Exhaust Shield (Recall 0131)	
	Notes:	The pant leg of s	ome riders can have direct con	tact with the exhaust pipe.	
M-1209	Υ	7-5-2007	2006 VRSCR	Exhaust Shield (Recall 0132)	
	Notes:	The pant leg of s	ome riders can have direct con	tact with the exhaust pipe.	
M-1210	Y	7-25-2007	2007 Police models	Auto Compression Release (Product Program 0904)	
	Notes:	These models up	graded with ACR components t	to enhance engine starting.	
M-1211	Υ	9-13-2007	2006-2007 Dyna	Shock Screw Repair	
	Notes:	Procedure to rep	air a broken shock screw on 06	-07 Dyna models.	
M-1212	Y	8-20-2007	2006-2007 FLTR/I	Windshield Silkscreen Repair	
	Notes:	irregularities	ls, inconsistencies in pad place face may result in damage to tl		
M-1213	Y	9-11-2007	2008 All Touring/Police Models	Engine Idle Temp Management	
	Notes:		ers limited rear cylinder cooling eft at idle or at low vehicle spee eeded.		

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:e	9:	20	)25	)/c	b	12	b	U	U:.

M-1222	Y	5-20-2008	2008.5 XR-1200	Initial Care Program
	Notes:	part of the harness has b battery.	n temp tubing located under the function to the function to the second s	
M-1221	Y	5-16-2008	2008 Softail   (except FXCW/FXCWC)	Main Harness
	Notes:	the vehicle is subjected optional	to prolonged idle conditions or transcriptions or transcriptions.	-
M-1220 M-1220A M-1220B	Υ	9-2-2009	2007-Later Dyna/Softail	Engine Idle Temp
	Notes:		is to inform dealers of the correct compensator bowl (as applicable)	
M-1219	Y	4-15-2008	All models (except VRSC)	Rear Wheel Sprocket
	Notes:	Additional service lit motorcycles.	terature updates (also see TSB M-	<u> </u>
M-1218	Y	the brake lines can a 3-18-2008	cause abrasion of the brake lines a 2008 Sportster/Softail Touring/FXDSE2	and hoses.   Service Literature  Update
		routing of	are equipped with ABS in which in	
M-1217 M-1217A	Y	3-10-2008 3-31-2008	2005-2007 Police/Escort FLs	ABS Brake Line (Recall 0134)
	Notes:	2008	bulletin is to communicate update	
M-1216	Y	2-12-2008	2008 VRSC/Dyna, Softail/Touring Sportster/FLHRSE4 FXDSE2/FXSTSSE2	Service Literature Update
	Notes:	Updated parts and s upper steering stem nut.	service procedures to eliminate los	ss of clamp load on
M-1215 M-1215A M-1215B	Y	1-3-2008	2006-2007 Dyna 2008-Earlier FXDWG 2008-Earlier FX Softail 2008-Earlier VRSC	Steering Stem/ Nut Washer
	Notes:		ia" models only. These motorcycle the catalytic muffler protective h	
M-1214	Y	11-8-2007	2008 Dyna/FXD FXDC/FXDL FXDB/FXDWG	Exhaust Shield (Recall 0133)

		XIXIZOO IIIOLOIC	ycles recently introduced into th	
M-1223	Y	7-29-2008	2002-2008 Touring models	Steering Head Bearing Tension
	Note	while	odel year 2008 production, the a	_
M-1224	Y	7-28-2008	2008 Touring models	Fuel Filter Shell (Recall 0135)
	Note	These vehicles roots loss of fuel pres	may experience a cracking of th sure.	e fuel filter shell, leading to a
M-1225 M-1225A	Y	7-28-2008 10-9-2008	2007 FLHTCUSE2 2008 FLHTCUSE3	Engine Update (Product Program 0905)
	Note		g two product programs to upgr It before April 9, 2008 to curren	
M-1226	Y	7-28-2008	2007-2008 CVO 110 C.I. Engines	Engine Update (Product Program 0906)
	Note	Updated parts a es: upper steering stem n	nd service procedures to elimin ut.	ate loss of clamp load on
M-1227 M-1227A	Y	8-14-2008	2009 FLHTCUTG	Initial Care Program
	Note	es: Program	this bulletin is to provide inform JTG motorcycles recently introd	
M-1228	Y	7-31-2008	2008-E2009 Touring (including CVO)	Rear Brake Pad Service
	Note	es: Updated parts a	nd service procedures to minim	ize rear brake noise.
M-1229	Y	8-8-2008	AGM Batteries	Battery Terminal Screw and Torque
	Note	The captive star es: the final torque of the fac	washer was replaced with a fla	t washer thereby changing
M-1230 M-1230A	Y	10-29-2008	2009 Tri Glide	Service Information
	Note	This service bull 2009 FLHTCUTG	etin is to inform dealers of serv 6 Models.	ice and tool information for
			2006 Dyna	Big Twin

Notes   Replacement   Replac				1				
M-1233 Y 10-20-2008 1980-2009 Touring 1984-2009 Softail Fork Cap & Fork Tube Plug Torque  The purpose of this bulletin is to inform the dealers that a change was made Notes: to the final torque of the fork cap and fork tube plug.  M-1234 Y 12-5-2008 2009 All models Model Year Update Notes: The purpose of this bulletin is to communicate 2009 Model Year updates contained within service manual literature.  M-1235 Y 12-4-2008 2008-2009 XR-1200 Exhaust Installation Notes: Update to the exhaust installation procedure on XR1200 models.  M-1236 Y 12-8-2008 2009 FX models Fuel Tank Vent Tube (Recall 0136)  Notes: Ocertain models have a fuel tank vent tube assembly which may have been Notes: produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  M-1237 M-1237 Y 2-18-2009 (see below) Service and owner's literature Update Update Soldial, Dyna, Touring, Sportster, Tri-Glide, Police, FLHTCUSE4, and FLTRSE3 model motorcycles.  M-1238 Y 12-18-2008 2009 FXD/FXDF Spring Anchor (Recall 0137)  Notes: Ocertain models have a jiffy stand spring anchor (47318-98) that may have been made with a defective weld that may allow the jiffy stand assembly to not retract as intended.  M-1239 Y 1-8-2009 2008 Touring ABS Calibration Upgrade  A recent refinement to the ABS adds compatibility with Michelin replacement incompletic requirements, Permits re-use of (HCU) if (ECU) replacement is required.  M-1241 M-1241 M-1241A Y 10-6-2009 Tri-Glide (Product Program 0907)	M-1232 M-1232A	Υ	12-9-2008	Twin Cam/Sportster				
M-1233 Y 10-20-2008   1984-2009 Softail   Port Tube   Plug Torque    The purpose of this bulletin is to inform the dealers that a change was made   Notes: to   12-5-2008   2009 All models   Model Year Update   Notes: The purpose of this bulletin is to communicate 2009 Model Year updates   Notes: The purpose of this bulletin is to communicate 2009 Model Year updates   Contained within service manual literature.    M-1235		Not	DC1 :	piston rings is not always nece	ssary when cylinder is			
Notes: to the final torque of the fork cap and fork tube plug.  M-1234  Y 12-5-2008 2009 All models Model Year Update  Notes: The purpose of this bulletin is to communicate 2009 Model Year updates contained within service manual literature.  M-1235 Y 12-4-2008 2008-2009 XR-1200 Exhaust Installation  Notes: Update to the exhaust installation procedure on XR1200 models.  M-1236 Y 12-8-2008 2009 FX models Fuel Tank Vent Tube (Recall 0136)  Certain models have a fuel tank vent tube assembly which may have been notes: produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  M-1237	M-1233	Y	10-20-2008		Fork Tube			
Notes: The purpose of this bulletin is to communicate 2009 Model Year updates contained within service manual literature.  12-4-2008 2008-2009 XR-1200 Exhaust Installation Notes: Update to the exhaust installation procedure on XR1200 models.  M-1236 Y 12-8-2008 2009 FX models Fuel Tank Vent Tube (Recall 0136)  Notes: Produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  2006-2009 Service Literature Update Updates and corrections for 2006-2009 service and owner's literature. Models affected: 2006-2009 Touring, Dyna, 2007 VRSC, 2009 VRSC, Softail, Dyna, Touring, Sportster, Tri-Glide, Police, FLHTCUSE4, and FLTRSE3 model motorcycles.  M-1238 Y 12-18-2008 2009 FXD/FXDF Spring Anchor (Recall 0137)  Certain models have a jiffy stand spring anchor (47318-98) that may have been made with a defective weld that may allow the jiffy stand assembly to not retract as intended.  M-1239 Y 1-8-2009 (with ABS) Calibration Upgrade  Notes: Notes: Notes: Order of this bulletin service manual literature. M-1241 N-1241 M-1241 Y 10-6-2009 TIT-Glide Tri-Glide Tri-Glide Update  To manual literature. To models.  Exhaust Installation Page Tank Vent Tube (Recall 0136)  Exhaust Installation Page Tank Vent Tube (Recall 0136)  Service Literature Update Updat		Not	es: to		5			
M-1235 Y 12-4-2008 2008-2009 XR-1200 Exhaust Installation Notes: Update to the exhaust installation procedure on XR1200 models.  M-1236 Y 12-8-2008 2009 FX models Fuel Tank Vent Tube (Recall 0136)  Certain models have a fuel tank vent tube assembly which may have been produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  M-1237	M-1234	Υ	12-5-2008	2009 All models	Model Year Update			
Notes: Update to the exhaust installation procedure on XR1200 models.  M-1236  Y  12-8-2008  2009 FX models  Fuel Tank Vent Tube (Recall 0136)  Certain models have a fuel tank vent tube assembly which may have been produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  M-1237 M-1237A  M-1237A  Y  2006-2009  models  Updates and corrections for 2006-2009 service and owner's literature. Wodels affected: 2006-2009 Touring, Dyna, 2007 VRSC, 2009 VRSC, Softail, Dyna, Touring, Sportster, Tri-Glide, Police, FLHTCUSE4, and FLTRSE3 model motorcycles.  M-1238  Y  12-18-2008  2009 FXD/FXDF FXDC/FXDL/FXDB  Certain models have a jiffy stand spring anchor (47318-98) that may have Notes: been made with a defective weld that may allow the jiffy stand assembly to not retract as intended.  M-1239  M-1239  A recent refinement to the ABS adds compatibility with Michelin replacement tires offered by Parts & Accessories, Accommodates police usage performance requirements, Permits re-use of (HCU) if (ECU) replacement is required.  M-1241 M-1241 M-1241A  Y  10-6-2009  Tri-Glide  Poddessembly to notestall to the ABS adds compatibility with Michelin replacement irres offered by Parts & Accessories, Accommodates police usage performance requirements, Permits re-use of (HCU) if (ECU) replacement is required.  Trunk Door Seal (Product Program 0907)		Not			2009 Model Year updates			
M-1236  M-1236  Y  12-8-2008  2009 FX models  Fuel Tank Vent Tube (Recall 0136)  Certain models have a fuel tank vent tube assembly which may have been produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  M-1237  M-1237A  Y  2006-2009	M-1235	Υ	12-4-2008	2008-2009 XR-1200	Exhaust Installation			
M-1236  M-1236  Y  12-8-2008  2009 FX models  Fuel Tank Vent Tube (Recall 0136)  Certain models have a fuel tank vent tube assembly which may have been produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  M-1237  M-1237A  Y  2006-2009		Not	es: Update to the ex	Jpdate to the exhaust installation procedure on XR1200 models.				
Notes: produced at the supplier with a questionable ultrasonic weld on the anti-slosh valve.  M-1237 M-1237A  Y  2006-2009	M-1236	Y	12-8-2008	2009 FX models	Vent Tube			
M-1237A  Y  2-18-2009    Comparison of the compa		Not	es: produced at the	supplier with a questionable ul				
Notes: Models affected: 2006-2009 Touring, Dyna, 2007 VRSC, 2009 VRSC, Softail, Dyna, Touring, Sportster, Tri-Glide, Police, FLHTCUSE4, and FLTRSE3 model motorcycles.  M-1238  Y  12-18-2008  2009 FXD/FXDF Spring Anchor (Recall 0137)  Certain models have a jiffy stand spring anchor (47318-98) that may have been made with a defective weld that may allow the jiffy stand assembly to not retract as intended.  M-1239  M-1239  Y  1-8-2009  2008 Touring ABS Calibration Upgrade  A recent refinement to the ABS adds compatibility with Michelin replacement tires offered by Parts & Accessories, Accommodates police usage performance requirements, Permits re-use of (HCU) if (ECU) replacement is required.  M-1241  M-1241  M-1241A  Y  10-6-2009  Models affected: 2006-2009 Touring, Dyna, 2007 VRSC, 2009 VRSC, 2009 FLHTCUTG Tri-Glide  Jiffy Stand Spring Anchor (Recall 0137)  ABS Calibration Upgrade  Trunk Door Seal (Product Program 0907)	M-1237 M-1237A	Υ	2-18-2009	models	Literature			
M-1238  Y  12-18-2008    FXDC/FXDL   FXDC/FXDB   Spring Anchor (Recall 0137)		Not	es: Models affected: Softail, Dyna, To	: 2006-2009 Touring, Dyna, 200 ouring, Sportster, Tri-Glide, Polic	)7 VRSC, 2009 VRSC,			
Notes: been made with a defective weld that may allow the jiffy stand assembly to not retract as intended.  M-1239 M-1239A  Y 1-8-2009 2-20-2009 (with ABS)  A recent refinement to the ABS adds compatibility with Michelin replacement tires offered by Parts & Accessories, Accommodates police usage performance requirements, Permits re-use of (HCU) if (ECU) replacement is required.  M-1241 M-1241A  Y  10-6-2009  Trunk Door Seal (Product Program 0907)	M-1238	Y	12-18-2008		Spring Anchor			
M-1239A  Y  2-20-2009  A recent refinement to the ABS adds compatibility with Michelin replacement tires offered by Parts & Accessories, Accommodates police usage performance requirements, Permits re-use of (HCU) if (ECU) replacement is required.  M-1241  M-1241A  Y  10-6-2009  ABS Calibration Upgrade  ABS Calibration Upgrade  Trunk Door Seal (Product Program 0907)		Not	es: been made with	a defective weld that may allo				
Notes: tires offered by Parts & Accessories, Accommodates police usage performance requirements, Permits re-use of (HCU) if (ECU) replacement is required.  M-1241 M-1241A  Y  10-6-2009  Tri-Glide  Trunk Door Seal (Product Program 0907)	M-1239 M-1239A			_				
M-1241A Y 10-6-2009 THICOIG (Product Program 0907)		Not	es: tires offered by Parts	& Accessories, Accommodates	police usage performance			
Notes: New seal to prevent water intrusion into the trunk area.	M-1241 M-1241A	Υ	10-6-2009	I	(Product Program			
		Not	es: New seal to prev	vent water intrusion into the tru	ınk area.			

M-1242	Y	3-16-2009	2002-2009 VRSC (except VRSCF)	P&A LED Turn Signal Controller Mount Bracket (Recall 0138)
	Notes:		gn of the mounting bracket, the	controller may come in
M-1243	Y	3-18-2009	2009 Touring Touring CVO	Jiffy Stand Bracket Lean Angles
	Note	es: which	of 2009 touring models were be le to lean over more when resti	
M-1244	Y	4-14-2009	2006-2009 Touring models	Advanced Audio Navigation Set-UP
	Note	System Navigat manufacturing,	ing Models with a recently instation kit or 2009 FLHTCUSE4 mod a faulty integrated circuit (IC) w System GPS Navigation module	lels with AAS Navigation. In vas inadvertently installed in
M-1245 M-1245A	Y Y	6-3-2009 7-8-2009	2008 FLSTSB 2008 FXSTSSE2 2009 FXSTSSE3 FLSTSB	Springer Fork Acorn Studs (Recall 0139)
	Note	es: A revised proced	dure has been identified for adj	usting steering head bearings.
M-1246	Y	6-10-2009	2009 Touring models	Steering Head Bearing Adjustment
	Note	es: A revised proce	dure has been identified for adj	usting steering head bearings.
M-1247	Υ	6-18-2009	All (except Trike)	New Return Policy for Plastic Crates
	Note	All dealers are t shipping crates.	o start returning black plastic co	omponents provided with
M-1248	Y	7-13-2009	2009 Police	Fork Bracket (Product Program 0908)
	Note	es: may	ed a fork bracket that permits a use by some law enforcement a	J
M-1249	Υ	7-13-2009	2009-Later VRSC	Fuel Level Sensor Assembly Calibration
	Note	es: Part (75210-09)	r (75210-07B) is obsolete. will retrofit 2007 and 2008 mod uge recalibration utilizing Digita	•

### TSB 1250-1299

	HARLE	Y TECHNICA	L SERVICE BUL	LETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
M-1250 M-1250A	Y	7-17-2009 8-19-2009	2009 FLTRSE3	Blade Wheel (Recall 0140)
	Notes	The Blade rear wheel process.	may have developed a crack	due to the heat-treating
M-1251	Y	7-24-2009	2009 Touring (with ABS)	Calibration Upgrade
	Notes	The 2010 calibration motorcycles also.	changes can be applied to 20	09 Touring model
M-1252A	Y	10-12-2009	2006-2009 Twin Cam (w 6 speed)	Transmission Warranty/ Replacement
	Notes	This bulletin adds the approved by Technica	requirement that all request al Service.	s for gear packs must be
M-1253	Y	7-30-2009	2008-2010 FXDF/FXDFSE 2010 FXDWG	Critical Fastener List Update
	Notes	The purpose of this b torque at every service	ulletin is to inform technicians ce interval.	s to check exhaust bracket
M-1254	Y	7-30-2009	All Model Yrs With Spoke Wheels	Spoke Checking and Tightening Procedure
	Notes		eck spokes at the service inte	rvals or any time spokes
M-1255	Y	8-4-2009	2009-2010 Softail	Fuel Line/Spark Plug Routing
	Notes	: Check for proper rout	ing during pre-delivery inspe	ction (PDI).
M-1256	Y	7-30-2009	2008-Later Touring	Rear Wheel Compensator Wear
	Notes	: wear on	n identified to check rear whe	el compensator isolator
M-1258 M-1258A	Y	11-4-2009	2009 Touring FL Police FL FLHTCUSE	Front Tire Wear Inspection and Warranty Procedures
	Notes	Warranty with application to D4 concerns related to Noise, Vibra	nspection and warranty processions and these modes ation and Ride Quality. date non-U.S. market procedu	els to address customer
M-1259	Y	10-6-2009	2009 FLHTCUTG	Trunk Door Seal Replacement
	Notes	2010 Trike trunk door motorcycles.	seal used as replacement or	2009 Tri Glide model
M-1260	Υ	9-24-2009	2010 XL/XR	Engine Temp Sensor (Product Program 0909)

	Notes:	sensor	e crimp on the terminals in co	
M-1261	Υ	10-1-2009	2010 FLHX/FLTRX	Rear Light Wiring Harness Routing
	Notes:	FLHX and	ess and antenna cable routin	g is different for 2010
M-1263	Υ	10-14-2009	2007-Later Twin Cam	Crankcase Dowel O-rings Literature Update
	Notes:	align	vin Cam engines, the O-rings	
M-1264	Υ	12-11-2009	2009-2010 Touring models.	Fuel Tank Mount (Recall 0141)
		from a	unts may distort in reaction	to severe frame damage
M-1265	Υ	1-22-2010	2010 Touring	Seat Running Change
	Notes:	Notification of change numbers.	of seat, backrest and seat st	rap and their part
M-1266	Υ	1-19-2010	Tri-Glide/Trike All TLE/TLEU	Replacement Body Ordering Process
	Notes:	restricted	or a Trike replacement body	-
M-1267	Υ	1-28-2010	2008-Later Sportster 883	Cylinder Liner Change
	Notes:	changed	onger be bored out to fit 120	
M-1272	Υ	4-13-2010	Cam Buckle Tie-Down Straps	Recall (0142)
	Notes:	Tie-Down Straps may s	slip at less than rated 1200 ll	o. load specification.
M-1289		10-11-2010	2006-2011 Touring models.	Handlebar Clamp Screw Running Change / CD Skip
	Notes:		03) in all four locations on ha p screw head for clearance v	
M-1294 M-1294A M-1294B	Y	4-6-2011	2011 Softails	Body Control Module Recall (0144)
	Notes:	Module has a case tha	t may not be sealed to preve	ent water intrusion.

M-1296 M-1296A	Y	10-4-2018	ISHA TATIFINA MAAGIS	Transmission Lubricant Checking / Filling Procedures		
Notes: Trans. lubricant check / fill procedures have been updated.						

### TSB 1300-1349

	HARLEY	TECHNICAL	SERVICE BUL	LETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
M-1304	Y	8-31-2011	All 2007-later Touring/Dyna Twin Cam CVOs	Big Twin Neutral Rattle
	Notes:	Due to normal manufa some vehicles will exh	acturing variations, nibit a normal noise called '	'neutral rattle".
M-1310	Y	2-2-2017	2009-2012 Touring models	Rear Stop Light Switch (Recall 0145)
	Notes:		cle may experience a non-f fluid leak through the rear	
M-1313	Y	7-20-2020	2002-2006 VRSC models	Fuel Pump Service Procedure Revision
	Notes:	Due to normal manufacturing variations, some vehicles will exhibit a normal noise called "neutral rattle".		
M-1322	Y	4-3-2012	2012 Dyna FLD 2010-2012 Softail CVO	Saddlebags
	Notes:	HD has received repo	rts of saddlebags accidenta	Illy becoming unsecured.
M-1324	Υ	5-16-2012	1990-Later Dyna	Motorcycle Vibration
	Notes:	The purpose of this bulletin is to educate the technician on the best method for resolving excessive vibration on Dyna models.		
M-1328 M-1328A M-1328B	Υ	2-24-2021	Certain 2008-2011 XL/FL/FX models	Fuel Filler Neck Recall (0613)
	Notes:	temps, the gas cap may deve the gas	tain types of fuel formulation  elop a fitment issue betwee  male threads on the gas ca	n the female threads in
M-1325	Y	6-11-2012	All 2012 models (except V-Rod)	Voltage Regulators (Product Program 0912)
	Notes:		y issues, HD has chosen to cles.	replace voltage regulators

M-1330	Y		4-22-2020	2006-2009 Twin Cam with 6-speed Cruise Drive trans	Trans Replacement Parts
Notes				Cruise Drive trannies / gea ed by 2010-later assemblie	
M-1333	Υ		10-23-2012	2012 and certain 2013 VRSCDX	License Plate Bracket Recall (0148)
		Notes:	The License Plate Bracket assembly may lose retention to the rear fender, allowing the bracket to contact the rear tire.		
M-1340 M-1340A	Υ		7-9-2013	KBC Helmets	Recall (0151)
		Notes:		ed a voluntary safety recall ance of certain motorcycle	
M-1344 M-1344A M-1344B M-1344C M-1344D M-1344E	Y		2-14-2014 1-19-2015	2014-later Touring, Touring CVO / Trike models with Boom! Infotainment system.	General Information and Procedures
		Notes:	Provides information a	bout Boom! Box Infotainme	ent software.

### TSB 1350-1399

	HAR	LEY TECHI	NICAL SERVICE BUL	LETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-1350	Υ	9-10-2013	Big Twin w/6spd Trans	Shifter Shaft Seal Update.	
	Notes:	Using Seal Tool HD (Applies to other m	-51337 for Shifter Shaft Seal P/N 11 nodels as well.)	000101.	
M-1351 M-1351A	Y	11-10-2016	2014-2016 Touring, Police, Trike and CVO Touring	Engine Idle Temp Management Sys.	
	Notes:	The purpose of this bulletin is to inform dealers of the operational details of the Engine Idle Temperature Management System (EITMS).			
M-1352	Υ	9-18-2013	2014 Big Twin	Compensator Update.	
	Notes:	Changes to the compensator Assembly.			
M-1357 M-1357A	Y	12-10-2013	2014 Twin Cooled Models	Coolant Filler Neck	
	Notes:	HD has recently made an improvement to the coolant fill neck.			
M-1358	Y	12-20-2013	2010-2013 Sportsters built in India	Horn Button Harness Product Program 0915	

	Notes:		exists with the horn button on certa when exposed to the duty cycle of t			
M-1359	Y	1-22-2014 2-14-2019 2-22-2019	2014 Big Twin	Compensator Update.		
	Notes:	Changes to the co	mpensator Assembly.			
M-1360	Y	2-14-2014	2014 Touring and Trike w/ revised ECM strategy	ECM Lock-up Using Obsolete SE Super Tuner		
	Notes:		discovered when attempting to loa an obsolete version of Super Tuner			
M-1361 M-1361A	Y	2-27-2014 5-1-2014	2015 Street	Initial Care		
	Notes:	Initial Care Progra	m recently introduced for Street mo	torcycles.		
M-1365	Y	4-7-2014	2014-later Sportsters w/ Forwards Kit (50700020)	Forwards Kit Brake Pedal Replacement		
	Notes:		its (50700020) w/ brake pedal (5060 0, 2014, contained an incorrectly m			
M-1366	Υ	4-8-2014	US Dealerships	Regulator Kits		
	Notes:	Retrieval effort to	Retrieval effort to return unused Product Program 0912 kits to HD.			
M-1367	Y	4-9-2014	2014 Trike models	Service Manual Supplement Correction		
	Notes:	Correcting the parking brake lamp diagnostic procedures.				
M-1368	Y	4-16-2014	2012 XL883N Various 2009-2014 FX/FL models	Mexico Market Speedometer Recall (0617)		
	Notes:	These motorcycles may have speedometers/odometers that display in mph/miles instead of kph/kilometers.				
M-1369	Y	4-16-2014	Certain 2013-2014 FXSB FXSB103/FXSBSE motorcycles	Fuel Gauge Recall (0155)		
	Notes:	These models ma remaining.	y run out of fuel but fuel range indic	ator shows miles/km		
M-1370 M-1370A	Y Y	5-6-2014 12-19-2019	Models w/ GPS	GPS Information Verification		
	Notes:	This bulletin outlines the Dealer Locator update that is available for GTS / GT radio navigation systems.				
M-1371	Y	5-28-2014	Late 2014 Touring / Trike with Boom Infotainment	BOOM! Software Version 1.17.5		
	Notes:	Some L2014 moto	orcycles equipped with Boom! will sh	nip with version 1.17.5		
M-1372	Y	6-3-2014	2014 Sportster	Chrome Handle Lever (Recall 0156)		
	Notes:	intended for deale	t in some accessory chrome hand co er or customer installation on 2014 S a package date that is earlier than	Sportster models. The		

M-1373 M-1373A M-1373B M-1373C	Y Y Y	6-13-2014 6-18-2014 8-1-2014	2014 FL Touring models.	ABS Brake Line (Recall 0157)			
	Notes:		The affected motorcycles may have been assembled with a front brake line in a position where it could become pinched between the fuel tank and the frame.				
M-1374	Υ	6-18-2014	2013-2014 SOFTAIL/SOFTAIL CVO	Fuel Pump Diagnosis			
	Notes:	During PDI, some S	oftails haven't been starting or are	having drivability issues.			
M-1375	Y	8-24-2014	2015 Road Glide	Handlebar Adjustment at PDI			
	Notes:	Informing dealers of	of additional procedure during PDI.				
M-1376 M-1376A	Y	7-31-2014	2014.5 Dyna Low Rider	Ignition Switch Bracket and Knob (Recall 0158)			
	Notes:	bracket that has a is operated at that which mounts to th	orcycles may have been assembled resonant frequency equivalent to 58 speed, it causes excessive vibration at bracket. This excessive vibration N" position to the "ACC" position, sh	B00 RPM. When the engine in the ignition switch, can cause the switch to			
M-1377	Υ	8-19-2014	2009-later Trike models	Lug Nut Torque			
	Notes:	Reminder of the importance of following the recommended service procedure.					
M-1378	Υ	8-25-2014	2015 Touring Models	Initial Care Program			
	Notes:	HD is providing an	initial care program for vehicles equ	ipped with fixed fairings			
M-1379	Y	8-25-2014	All 2015 motorcycles with HD security systems	DTII Update for 2015 Pin and Fob			
	Notes:	This bulletin is to inform dealers that the Digital Technician II DVD Software V-8.000.0002 has a bug that prevents setting the PIN and fob on MY15 motorcycles equipped with security.					
M-1382 M-1382A	Y Y Y	9-11-2014 10-12-2014 10-13-2014	2014 FL Touring	Hydraulic Clutch (Recall 0159)			
Notes:		These models may develop a tear in the primary cup (seal) on the master cylinder piston.					
M-1383 M-1383A	Y	9-11-2014 10-8-2014	2014 Trike CVO Softail	Hydraulic Clutch (Recall 0160)			
	Notes:	These models may cylinder piston.	develop a tear in the primary cup (	seal) on the master			
M-1384	Y	9-12-2014	2015 Street	Fuel Tank (Recall 0161)			

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	Notes:		ay exhibit a condition in which the fu XG750 motorcycles may not allow th			
M-1386 M-1386A	Y	9-26-2014 11-12-2014	2015 Touring Models	Low Suspension Right Side Rear Shock		
	Notes:	Variations in rear	shock installation.			
M-1391 M-1391A M-1391A	Y Y Y	3-18-2021 7-11-2019 3-18-2021	All Models with MIDTRONICS GRX-3110 software	Software Update		
	Notes:		nis bulletin is to inform the dealer net e to the GRX-3110 is now available.	work that		
M-1392 M-1392A	Y	11-24-2014	Certain 2013-2015 Touring / Trike / Softail	Service Literature Up		
	Notes:	Correcting some i	incomplete and errant information -	FSMs and EDM.		
M-1393	Y	11-14-2014	2014-2015 FLS	Front Turn Signal Configuration Non-Compliance (Recall 0618)		
	Notes:	On some of these motorcycles, the operation of the turn signals will not include lamp-outage detection for the front turn signals due to an incorrectly programmed setting within the Body Control Module (BCM) set by Harley-Davidson.				
M-1394 M-1394A M-1394B	Y Y Y	11-25-2014 12-8-2014 12-11-2014	2015 Tri Glide	Rear Brake Master Cylinder (Recall 0162)		
	Notes:	dates may have b	cylinder on these motorcycles built the been assembled with an incorrect pis upport to the primary cup (seal).			
M-1395 M-1395A	Y Y	12-19-2014 1-15-2015	2012 Dyna/Softail	Front Master Cylinder (Recall 0163)		
	Notes:	The front brake master cylinder may have evidence of gel in the front brake master cylinder or corrosion on the banjo bolt threads.				
M-1396	Y	12-19-2014	2012 FXDF/FXDF 103	Front Brake Master Cylinder (Recall 0164)		
Notes:		The front brake master cylinder may have evidence of gel in the front brake master cylinder or corrosion on the banjo bolt threads.				
M-1397 M-1397A	Y	2-20-2015 3-17-2015	2011-later FLSTF/FLSTFB/FLSTSB 2012-later FXDC 2012-2013 FXDF	Bullet Turn Signal Kit (Recall 0619)		
	Notes:	HD has determined that a regulatory noncompliance defect may exist				

M-1399	Y	3-19-2015	2014 Touring / Trike (non US models)	BOOM! BOX 6.5GT Infotainment System	
Notes: International Dealer Location Software Patch.					

### TSB 1400-1449

	HARLE	Y TECHNICA	AL SERVICE BUL	LETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-1400 M-1400A	Y		2014-2015 FXSB, FLSTNSE  hat a defect is present with the turned down to a point where	•	
	Note	or scratches the pair		e it cannot be removed	
M-1401	Y	4-13-2015	2015 Street	Right Side Rider Foot Control Mounting Screws Product Program (0919)	
	Note	HD has declared a voluntary Product Program, offering a no-charge repair of the installation torque for the right side rider foot control mounting screws on affected motorcycles for this non-safety issue.			
M-1402 M-1402A M-1402B M-1402C M-1402D M-1402E	Y Y Y Y Y	4-16-2015 4-17-2015 5-20-2015 8-14-2015 9-10-2015 2-1-2016	2014-2015 Touring Models	Clutch Master Cylinder (Recall 0165)	
	Note	s: ability to generate e	These models may experience a condition in which it can lose the ability to generate enough lift to disengage the clutch after being parked for an extended period.		
M-1403 M-1403A	Y	4-16-2015 4-28-2015	2015 Street	License Plate (Recall 0620)	
	Note	plant	motorcycles built before 3/10/2 a market may have been built ).	•	

M-1408 M-1408A M-1408B M-1408C M-1408D M-1408E M-1408F	Y Y Y Y Y Y Y	7-14-2015 7-31-2015 8-7-2015 8-11-2015 8-28-2015 9-16-2015 3-1-2017	2014-2015 Touring motorcycles	Saddlebag Mount Recall (0166)			
	Notes	failure of the saddlebag retain	ycles built during a certain rang	ge may experience a			
M-1409A	Y	12-1-2015	HD Touring and Trike Motorcycles	TOURING AND TRIKE AIR SUSPENSION DIAGNOSIS			
	Notes	: Provides diagnostic i	Provides diagnostic information to determine the source of an air leak.				
M-1413 M-1413A M-1413B	Y	8-26-2015 3-23-2020	2015 Street XG	Fuel Pump (Recall 167)			
	Notes	The fuel pump module (61200001) on some 2015 XG500 / XG750 models may have a poor seal at the fuel pump inlet.					
M-1416	Υ	11-4-2015	2008-2016 Touring	Literature Update			
	Notes	The purpose of this service bulletin is to communicate updates and corrections to certain 2008-2016 service literature.					
M-1422	Υ	4-18-2016	2015-2016 FXSB (China only)	Headlight Marking (Field Campaign 0301)			
	Notes	Some reflector assembling (69341, 05A) may not conform to the China					
M-1423 M-1423A	Y Y	5-18-2016 6-10-2016	2014.5-2016 FXDL	Ignition Switch (Recall 168)			
	Notes	The ignition switch conviction.	The ignition switch can become damaged internally due to engine-induced vibration.				
M-1426 M-1426A M-1426B M-1426C M-1426D	Y Y Y Y	7-10-2016 7-17-2016 8-25-2016 9-29-2016 12-1-2016	2016 Touring CVO/Softail	Black Clutch Master Cylinder (Recall 0169)			

		Notes:	which	nside the sealed clutch system	_
M-1429 M-1429A	Υ		11-22-2016	2017 Touring and Trike	Initial Care Program
	·	Notes:	The purpose of this b customers.	ulletin is to monitor HD quality	delivered to our
M-1430 M-1430A M-1430B	Y Y Y		10-17-2016 1-16-2017 1-31-2017	All 2014 and later Touring, Touring CVO, Trike models	General Info and Software Release
		Notes:	BOOM! BOX INFOTAIN New software version	NMENT SYSTEM. In due to revision 1.20.2 being o	orrupt.
M-1433	Υ		9-28-2016	2017 FLHXSE / FLHTKSE CVO	Speedometer Lighting Reflash (Product Program 0923)
		Notes:	HD has decided to co calibration.	nduct a Product Program to re	flash the speedometer
M-1434	Y		10-10-2016	Chopped Engine Guard kits Instruction sheet	Correction
		Notes:	Informing dealers of	torque value correction when i	nstalling the kit.
M-1435	Y		12-9-2016	2017 Touring and Trike (international only)	Fuel Pump
		Notes:		Trike models intended for certa with a fuel pump assembly cor	
M-1436	Υ		12-13-2016	2017 Touring, Police, Trike and CVO Touring	Engine Idle Temp Management System
		Notes:		awareness to a calibration cha er early October, 2016).	nge.
M-1437	Y		1-25-2017	2015 (Philippine) XG500	Emissions (Recall 0624)
	·	Notes:	were shipped to the I	015 Australian configuration X Philippines dealer-direct marke ne tailpipe emission requireme	t and
M-1438	Υ		1-25-2017	Neutral Switch (33926-06B)	Neutral Switch Inventory Removal
		Notes:		hat a variance in assembly tole mance of certain neutral switch	
M-1439	Y Y		2-17-2017 3-8-2018	2017-2018 Touring CVO Touring/Trike Sportster/Street 2018 Softail	Engine Idle Temperature Management System

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		Notes:	New belt tension specinterval.	cification to use for belt tension	n before the first service
M-1440	Υ		3-10-2017	2017 XG750A	Initial Care Program
		Notes:	The purpose of this b customers.	ulletin is to monitor HD quality	delivered to our
M-1441	Υ		3-23-2017	2017 Touring, Trike, CVO	Job Time/Code Changes
	·	Notes:		a correction to Job Time Codes Milwaukee Eight engine repai	
M-1442	Y		3-27-2017 3-28-2017 7-27-2017 9-18-2017	BOOM! BOX INFOTAINMENT Sys	Software
		Notes:	Software release and information regarding the update.		
M-1443	Υ		3-24-2017	Milwaukee-Eight Engines	Crankcase Sealant Change
		Notes:		, CRANKCASE SEALANT (1110) IGH PERFORMANCE SEALANT -	
M-1444	Υ		3-27-2017	2016 Touring, Trike, CVO	Center Fill Fuel Caps
Notes:			a swelling issue betw cap	odels equipped with center-fill to een the fuel tank fill neck and tain types of fuel and environm	the threads on the fuel
M-1446_2	Y		8-29-2017	2014-2016 Touring, CVO Touring, Trike 2014-2017 Softail, Dyna, CVO Softail	Long Block
		Notes:	Twin Cam engines for	warranty or as replacement e	ngines.

#### TSB 1450-1499

Н	HARLEY TECHNICAL SERVICE BULLETINS				
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-1450_1 M-1450 M-1450 M-1450 M-1450 M-1450	Y Y Y Y Y Y	7-5-2017 7-25-2017 10-24-2017 11-15-2017 3-28-2019 9-22-2020	All 2017-2018 Touring, CVO, Trike, Touring Police 2018 Softail models (Milwaukee-Eight engine) ( and Stage III or IV kit)	Loss of power or High Engine Braking	
Notes: Provides the diagnostic procedure for determining if engine is wet sumping.					
M- <b>1451</b>	Υ	9-1-2017	Accessory Fuel Cap	Fitment	

	Not	should not be us	ed on 2018 and later Softails.		
M-1452	Υ	10-3-2017	2018 Softail	Initial Care Program	
	Not	tes: The purpose of to customers.	his Program is to monitor HD qu		
M-1453	Y	8-31-2017	2018 Softail	Drive Belt Deflection Spec	
	Not		2018 Softail drive belt deflections manual was printed.	n specification	
M-1454	Y	10-11-2017	2018 Touring/Softail	SE Stage II and Adjustable Pushrods	
	Not	es: Order 4 extra wa	ashers (6762D) separately wher	installing the kits.	
M-1455	Y	9-29-2017	2018 Softail Milwaukee-Eight 107	Clutch Pack	
	Not	es: Running change	from a 9-plate clutch pack to a	10-plate clutch pack.	
M-1456	Υ	10-24-2017	2017-2018 Softail	Oil Spinner Retention	
	Not		ge addressing oil spinners that o ocket retainer on models w wide	e primary cases.	
M-1458	Y	10-11-2017	2009-2018 Trike	Service Manual Supplement Update	
	Not		Updates to the reverse motor inoperative diagnostic procedure in the service manual supplement.		
		in the service ma	anuai suppiement.	O a ula Mara dal	
M-1459	Y	11-1-2017	2018 Street (India)	Owner's Manual (Product Program (0925)	
	Not	No charge replaces: motorcycles for this non-safe	cement of 2018 Street owner's i	manuals on affected	
M-1461	Y	3-7-2018	2018 Softail	P&A Detachable Saddlebags (Recall 0172)	
	Not	es: engagement	ebag is installed, the latching ar bracket due to variability in wa	·	
M-1463	Y	12-01-2017 01-17-2018 4-20-2018	Dealer Inventory Milwaukee-Eights	Rocker Cover Gasket Inventory Purge and Replace	
	Not	New rocker coveres: The previous rocleaks.	er gasket. Eker cover gasket design is pron	e to varying degrees of oil	
M-1464	Y	7-7-2020	All models w/ Boom! Box Infotainment	Software Update	
	Not	es: Informing dealer	s of software updates and gene	ral information.	
M-1466	Y	12-13-2017 10-3-2018		Upper Steering Head Bearing Seal	
	Not	The new seal reponly.	places the current seal on the u	pper steering head bearing	

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M-1468	Y	3-12-2018	2017-2018 Touring, Touring Police, CVO Touring, Trike	Clutch Switch Update	
	Notes:	A revised LHCM (Left	hand control module) is availab	le.	
M-1469	Υ	6-26-2018	2009-2018 Trike	Reverse Motor Repair	
	Notes:	Informing dealers of	a new reverse motor repair kit.		
	Υ				
M-1470	Y	2-9-2018 3-16-2018 5-24-2018 5-20-2020	2008-2011 Touring CVO Touring Touring Police VRSC (V-Rod)	ABS Models HD Platinum DOT 4 Brake Fluid (Recall 0171)	
	Notes:	of time beyond the 2-ye	l that if brake fluid is not flushed ear maintenance schedule speci manual, a braking issue may dev	fied in the owner's	
M-1472	Y	3-26-2018	Chrome Switch Housing (71500185)	Fitment	
Notes: Some parts included in Chrome Switch Housing Kit were manufact incorrectly and will not fit correctly when installed.			ere manufactured		
M-1475	Υ	7-30-2020	All models w/Boom! GTS	Software Update	
	Notes:	Bulletin provides notice of Boom! Box GTS software release dates.			
M-1476	Y	8-21-2018	2014-2016 Touring Touring CVO/Trike models	Coolant Pump Replacement	
	Notes:	Informing dealers of new coolant pump replacement kit.			
M-1479	Y	9-24-2018	2018-2019 Softail	Instrument Software Update Battery Drain	
	Notes:	Informing dealers of a speedometer software update to address incorrect activation of transport mode.			
M-1481	Y	10-19-2018	All models w/ Tour-Paks	Mounting Rack Support Tube	
	Notes:		Softail motorcycles are now be gasket (61381-02A) with all ne		
M-1482	Y Y Y Y Y	10-27-2018 10-29-2018 2-22-2019 4-12-2019 4-16-2019 5-17-2019	2017-2018 Touring CVO Touring Touring Police Trike	Secondary Actuator Assembly Replacement (Recall 0173)	
		-	<u> </u>		

	Notes	37200131A)	utch system with secondary clutch	
M-1483	Υ	5-17-2019	Dealer Communication	Recall Ordering System
	Notes		rs of a new recall kit ordering systo g of Recall Kit Order Forms.	
M-1484	Y	11-14-2018 1-9-2019	2019 FLHXSE	Fairing Lower Cosmetic Changes
	Notes	: Informing dealer	s of a running change to the grap	hics on the lower fairing.
M-1485	Υ	11-30-2018	Certain 2000-2017 Softails	Fuel Tank Gasket
	Notes		s for Softail motorcycles are now plate gasket (61381-02A) with all	
M-1486	Y Y Y	4-1-2019 6-28-2019 8-2-2019	2016-2019 Street models	Brake Calipers (Recall 0174)
	Notes	s: to	nay experience corrosion in the carnal environment over time.	liper bore area if subjected
M-1487	Y	3-1-2019	Saddlebag Speaker (76000333)	Inventory Removal
	Notes		d a potential variance in speaker r functional performance of certain	
M-1490	Y	3-26-2021	Digital Technician II	Updates and Release Notes
	Notes	s: Software Update	es ·	
M-1492	Y Y Y	5-17-2019 6-25-2019 8-3-2019 4-30-2020	2017-2019 Touring Milwaukee-Eights	Inner Primary Vent
	Notes	levels and high primary oil s: indicate that oil	age of dealers and customers are levels during normal maintenance om the transmission case to the pinshaft.	e intervals. This could
M-1493	Y	8-23-2019	All side fill Touring Police Touring/Touring CVO Trike/Softail Sportster	Fuel Cap and Cup Change

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	Note	fuel cap es: and in the fuel c tank.	, 2019, There is a running change to up. Fuel caps from previous years we identification of new parts.	·
M-1494	Υ	6-20-2019	Late 2019 SOFTAIL FXBB & FXLR	Front Tire Pressure
	Note	es: HD has made a	change to the front tire cold pressu	re.
M-1497	Υ	8-13-2019	2016-2019 Touring CVO Touring/Touring Police	Tour-Pak Reflectors (Recall 0629)
	Note	and and	s Tour-Pak Luggage Conversion Kits	
M-1498	Υ	8-19-2019 10-18-2019	2020 Touring/CVO Touring Touring Police/Trike LiveWire	H-D Connect or RDRS Initial Care Program
Notes		The purpose of toustomers.	this program is to monitor HD quali	ty delivered to the
M-1499	Υ	7-11-2017	All Models w/ ABS	ABS Wheel Bearing Change
	Note	es: ABS wheel beari	ng (9252) has been superseded by	new bearing (9252A).
M-1499	Υ	2-27-2020	Certain 2020 Touring Models	Reflash and Enable TCU
	Note	es: Procedure to ve	rify the version of and, if necessary	, reflash the TCU.

### TSB 1500-1549

1	HARLI	EY TECHNIC	AL SERVICE BULL	ETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
M-1500	Y	8-30-2019	2020 Touring Models	RDRS Idle RPM Fluctuations	
	Notify dealers that 2020 Touring vehicles equipped with RDRS (reflex defensive rider systems) may exhibit fluctuations in idle rpm.				
M-1501	Υ	9-11-2019 9-16-2019	2018-2020 Touring CVO FLHXSE/FLTRXSE FLHTKSE	Exhaust Heat Shield Finish	
	Notes:	HD has created new p	art numbers for 2020 Smoked S	atin exhaust shields.	
M-1502	Υ	11-19-2019	2020 Livewire	Initial Care Program	
	Notes: The purpose of this program is to monitor HD quality delivered to the customers.				
M-1503	Υ	2-9-2021	LiveWire Models	IM Software Updates	
	Notes:	HD has made a softwa	are update to the LiveWire Instru	ment Module.	
M-1504	Y	11-20-2019 2-12-2021	2020 Livewire	Software Updates	
	Notes: Software updates to the LiveWire.				

			CAN based Touring	Left Hand Control
M-1505	Y	1-2-2020	Police Touring Touring CVO and Trike.	Module Diagnostics
	Note	S:	Tourning CVO and Trike.	
		11-22-2019		
M-1506	Υ	11-25-2019	2019-2020 Trike	Traction Control
	Υ	2-3-2020		(Recall 0175)
	Note		espond incorrectly to a faulty rear ting one of the rear brakes.	WSS (Wheel Speed Sensor)
M-1507	Υ	1-23-2020	2014 2020 Sportstor	Low/No
M-1307	Υ	3-16-2022	2014-2020 Sportster	Charging Diagnostics
	Note	s: Updated and ne symptoms.	w symptom-based diagnostics for	low or no charging
M-1508	Υ	2-26-2020	2009-2020 Trike Platform	Reverse Motor
	Note	new reverse mo	rs of a running change for the tor (83388-09C) for Trike models	
M-1509	Υ	2-13-2020	2017-2020 Milwaukee Eight	
		s: The flange nut is	s one-time use and is replaced afte	er removing.
M-1510	Υ	3-3-2020	2020 Milwaukee Eight	New Oil Filter
	Υ	3-19-2020	2020 Milwadkee Light	New On Title
	Note		es the same synthetic 5-micron me ective media surface area was incr	
M-1511	Υ	2-26-2020 2-27-2020	2020 Models w/ TCU	Factory Enabled TCU
	Note	s: Dealers no longe	er required to enable the TCU durin	ng Predelivery Inspection.
M-1513	Y	3-26-2020	All Vehicles w/ seals/gaskets	Diagnostics Repair Leaks, Weeps and Seeps
		s: Informing dealer	rs on how to diagnose leaking seal	s or gaskets.
M-1514	Υ	3-25-2020	2020 Softails built	Clutch Ramp
M-1314	Υ	2-11-2021	on/after 3-15-2020	Running Change
	Note		the bulletin is to inform dealers of a liter ramp of the clutch actuation sy	
M-1515	Y	2-8-2021	2020 Touring and Trike Models	TCU Discontinued Running Change
	Note	C 1	rs that the Telematic Control Unit ( ms are being discontinued.	TCU)
M-1516	Υ	6-5-2020	2020 Touring Platform	Jiffy Stand Hardware Running Change
	Note		vare and associated service literati	ure updates.
M-1517	Υ	6-5-2020	2017-2020 Milwaukee Eight	CKP Sensor Change
	Note	s: New CKP Sensor		

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M-1518	Y		8-23-2020	All models w/ GTS radio	Digital Technician II Reflash "ERROR 22"
		Notes:	HD has discovered ar Digital Technician II.	issue with GTS radios setting ar	n "ERROR 22" code in
M-1519	Y		10-15-2020	2020 Electric LiveWire	Software Updates Recall (0176)
		Notes:	models	ard Charger (OBC), used on 2020 wn of the Electric Vehicle Powert	
M-1520	Y		3-26-2021	All 2021 Vehicles	Initial Care
		Notes:	The purpose of this p customers.	rogram is to monitor HD quality (	delivered to the
M-1521	Y		2-9-2021	2021 FLHXSE	Outer Fairing Shipping Spacers
		Notes:		in Great White Pearl may arrive between the inner and outer fair	
M-1522	Y		2-16-2021	2021 Touring Models built on/before 2021-02-11	Power Outlet Pinned Incorrectly
		Notes:	The inner fairing fron	t power outlet (132B) may have	been pinned incorrectly.
M-1523	Υ		4-8-2021	Pan America	Chain Lube
		Notes:	The current HD chain Pan America TM drive	lube (93600005) is not compatile chain.	ole with the
M-1524	Y		4-8-2021	Certain 2019-2021 Sportsters	Headlamp Recall (0177)
		Notes:	Headlamp assembly (	(68297-05A) may have a shorter	life than expected.
M-1525	Y		5-3-2021	2021 Pan America	Fairing Lower Running Change
		Notes:	There has been a run	ning change to the fairing lowers	5.
M-1527	Y		5-7-2021	All Vehicles w/ Revolution Max Engines	Leak Detection
		Notes:	There is a potential to	misdiagnose leaks on the Revo	lution® Max engine.
M-1528	Y		5-7-2021	Pan America	Transport Mode Substitute
		Notes:		procedure will not fully place the he battery can still be drained.	bike in
M-1529	Υ		5-5-2021	Pan America	PDI BCM Reflash
		Notes:		ded by M-1532. Current Pan Ame ftware error that may cause a no	
M-1532	Υ		5-27-2021	Pan America	BCM Update Revision
		Notes:		des M1529. Requires all Pan Ame d to the latest software.	rica vehicles to
M-1533	Υ		6-29-2021	Pan America	Starter Wire
		Notes:	Informing dealers of a	possible incorrect starter wire r	outing.
M-1534	Υ		8-11-2021	Certain Police models	Speaker Bracket
		Notes:		that have an obsolete bracket can damage the front fender wh	ile operating.

M-1535	Y		9-20-2021 3-14-2022	2018-2021 Softail Service Manuals	Modular Brakeline Kits
	Y	Notes:	Correcting errors in the	ne service manual and Isheet und Requirements Update.	der
M-1536	Y		8-27-2021	2021 Pan America RA1250 and RA1250S	BCM Update
	·	Notes:		des M1529 and M1532 and requir to have the Body Control Module	
M-1537	Υ		9-22-2021	2021 Sportster S	Initial Care
	'	Notes:	The purpose of this purpose customers.	rogram is to monitor HD quality o	delivered to the
M-1539	Y		9-30-2021	2020-2021 Touring CVO FLHXSE FLTRXSE, FLHTKSE, Trike CVO FLHTCUTGSE	Wireless Headset
	·	Notes:	Informing dealers of a that have lost audio v	available update to address 30K volume.	wireless headsets
M-1540	Υ		10-21-2021	2021 Pan America RA1250 and RA1250S	ECM Update
	-	Notes:	Electronic Control Mo	dule update available on Digital <sup>-</sup>	Technician II (DT II).
M-1541	Υ		11-8-2022	2021 RA1250, RA1250S, RH1250S	Fuel Line PDI
		Notes:		Predelivery Inspection procedur connection has been updated.	e for
M-1542	Υ		11-16-2021	2021-2022 Police, Touring, Trike, \\Softail and CVO	Trans Dipstick Change
		Notes:	The chrome dipstick v	was replaced with a new compos	ite dipstick.
M-1543	Υ		12-13-2021	Pan America	Seat Base (Recall 0178)
		Notes:		Tain 2021 Pan America motorcycl 2020 and November 16, 2021 ma fastening locations.	
M-1544	Υ		1-3-2022	2021 Touring, Trike	Mechanical Clutch Cable
		Notes:		proper way to handle the cable of and to secure the cable lock but	
M-1545	Υ		3-8-2022	2022 FLHTK, FLHTK, Shrine and FLHTCUTG	Alternate Auxiliary Lamps
	·	Notes:	I .	he listed models built for Canada with alternative auxiliary lamps.	and DOM
M-1549	Y		2-1-2022	2021 RA1250, RA1250S, RH1250S	Instrument Software (Recall 0631)
		Notes:	I .	nstrument Module (IM) software d Sportster S models.	error on

#### TSB 1550-1599

	HARL	EY TECHNIC	CAL SERVICE BULI	LETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
<b>М-1550</b>	Y	4-13-2022	2022 FLHXST AND FLTRXST	Seat Foam
	Note	s: Certain 2022 FLTRXS	ST, FLHXST appear to be missing	foam at the rear of the
M-1551	Y Y	3-22-2022 4-4-2022	2021-2022 XL	Brake Fluid Decals (Recall 0632)
	Note		m edge, the brake fluid warning d ely affixed to the front and rear b	
M-1552	Υ	5-13-2022	2022 FLHRXS, FLHXS, FLTRXS	Wheels Substitution
	Note	s: A certain number of	these models were built with alte	ernative wheels.
M-1554	Y	7-5-2022	2022 FLTRK, FLHTK, FLHTP	Heated Grip Substitution
	Note	s: A certain number of grips.	these models were built with sub	stituted heated hand
M-1555	Y	7-26-2022	All	Battery Warranty Guidlines
	Note	s: Informing dealership	os that HD has provided guideline	s for battery warranty.
M-1556	Y	7-11-2022	Australian Harley Market	Button/Coin Battery Warning Labels
	Note	s: Australia.	containing button or coin cell bat t be applied to comply with Austra	
M-1557	Υ	7-11-2022	2022 Touring and Trike	Rear Brake Switch
	Note	HD has a mid year change in how the Touring and Trike		
M-1558			2021-2022 RA1250/RA1250S 2022 RA975/RA975S	Lower Radiator Hose Routing
	Note	C'I	dealers that Harley-Davidson war lower radiator hose routing and	
M-1559	Υ	8-1-2022 8-2-2022	2021-2022 RA1250/RA1250S 2022 RA975/RA975S 2021-2022 RH1250S 2022 RH975	Revolution Max ECM Update
	Note	C'1 3	at HD has an Electronic Control M Digital Technician II (DT II).	lodule (ECM) update
M-1560	Y	8-10-2022	2021-2022 RA1250/RA1250S 2022 RA975/RA975S 2021-2022 RH1250S 2022 RH975	Revolution Max Starter Clutch Gear Update
	Note		changes to the Revolution Max S diagnosing the condition making r	

M-1561	Y	8-19-2022	2014-2022 Touring, CVO Touring	Tour Pak Conv Kit (Recall 0633)	
	Notes	s: (53000916, 5300091	When (P&A) Detachable Tour-Pak Luggage Carrier Conversion Kits (53000916, 53000917) are installed on listed modles, these conversion kits may fail to conform to the Federal Motor Vehicle Safety Standard.		
M-1566	Y	10-14-2022	2022 Nightster	RH975 Handlebar (Recall 0179)	
	Notes	Nightsters,	the handlebar (55801154) on cert		
M-1579	Y	2-14-2023	2021-2023: Pan America (RA1250, RA1250S) Sportster S (RH1250S) Nightster (RH975, RH975S)	REV MAX BCM and ECM Update	
Notes: A BCM and Electronic C is available on Digital T			Control Module (ECM) update I Technician II (DT II).		

### TSB 1600-1649

	HARLEY	TECHNICAL	L SERVICE BULL	ETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
M-1615	Y	1-18-2024	2021-2023: Pan America (RA1 250/S) Sportster S (RH1 250S) Nightster (RH975/S)	REV MAX CHARGING SYSTEM CHANGES
	Notes		arging system has been upda nd low RPM. Maximum output	
M-1619	Y	12-18-2023	2021-2023: Pan America (RA1250/S) Sportster S (RH1250S) Nightster (RH975S)	Diagnostic Trouble Code (DTC) U04438F AND U04318F
	Notes	The current software version for left and right control modules have diagnostic trouble codes being set-off intermittently but there are no actual faults or operational concerns with the vehicle.		
<b>M-1631</b> Y		3-26-2021	2021-2024: Pan America (RA1250) Pan America S (RA1250S) CVO Pan America (RA1250SE) Nightster (RH975) Nightster S (RH975S) Sportster S (RH1250S)	Oil Check Procedure Update.
	Notes	New procedure for ch vehicles	ecking oil levels on Revolution	n® Max powered

## **XR Racing Bulletins**

	XR-75	0 / XR-1000 R	ACING BULL	LETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
R-101 R-101A	Y	9-16-1983 9-30-1983	XR-1000	High Performance Data for Closed Circuit Racing	
	Notes:	This bulletin provides specification information and other data for improved performance of the XR-1000 motorcycle for closed circuit racing.			
R-101B	Y	3-14-1986	XR-1000	High Performance Data for Closed Circuit Racing	
	Notes:	This bulletin provides specification information and other data for improved performance of the XR-1000 motorcycle for closed circuit racing. This one also has the clutch mod.			
R-106	Υ	8-1-1993	XR-750	Parts Updates	
	Notes:	New engine and transmission sprockets, primary chain along with ratio charts.			
R-110	Υ	6-2-1994	XR-750	Transmission Update	
	Notes: Some gear combinations and additional main bearing information.				

#### **Police Model TSB 100-149**

POLIC	E MOD	EL TECHNIC	AL SERVICE B	ULLETINS
TSB_#	PDF?	Date	Model(s)	Title - Short Notes
PM-101	Υ	1-22-1988	Whelen Siren Amp	Adjustment
	Notes:	Gain Adjustment.		
PM-102	Υ	2-19-1988	1988 FLHTP/FXRP	H/O Charging System
	Notes:	This bulletin provides: (1) information on how to identify the new system, (2) part numbers for new or changed charging system components and (3) specific changes in maintenance procedures.		
PM-103	Υ	5-11-1990	Whelen Siren Amp	Horn Option
	Notes:	This bulletin contains a procedure that explains and illustrates how to activate the air horn option on Whelen 100 watt siren amplifiers (91150-88).		
PM-104	Υ	9-25-1991	1991-Later FXRP	Headlight Switch Kit
	Notes:		notorcycle operator to turn of ial service requirements by rol.	

PM-105	Υ	2-24-1998	1997-1998 Police Models	Air Spring Guard
The air spring guard prevents the air spring from chafing on the			chafing on the frame cross	
	Notes:	member		
and will extend the service life of the air spring.				

## **Buell TSB 000-050**

	BU	ELL TECH	INICAL SERVIC	E BULLETINS	
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
B-001	Y	December 1994	Buell	Front Brake Line (Recall 0800)	
	Notes:	Routine testing rebrake line.	vealed the possibility of a c	rack developing in the front	
B-002	Υ	March 1995	AII	Instrument Panel Stabilizer (Product Program BP1)	
	Notes:	Bracket installed	to the front fairing mount to	reduce instrument panel vibration.	
B-003	Υ	March 1995	1995 S2	VIN Update	
	Notes:	A number of 1995	Buell S2-Thunderbolts may	have incorrectly stamped V.I.N.s	
B-004	Y	April 1995	1995 S2	Wheel Labels (Recall 0801)	
	Notes:	The P/M polished	The P/M polished aluminum rims didn't include the required label markings.		
B-005	Υ	6-9-1995	1995 S2	Fuel Cell Assembly (Recall 0802)	
	Notes:	In some cases, minor gasoline seepage may occur at the mold parting line or at the area where the fuel supply valve attaches to the fuel cell.			
B-006	Υ	8-10-1995	1995 S2	Instrument Panel stabilizer (Recall 0803)	
	Notes:	Safety recall requires all vehicles to be inspected for cracked front fairing mounts.			
B-007	Υ	11-2-1995	1996 S2-T	Handlebars (Recall 0804)	
	Notes:	The tall handlebars on certain S2-Ts may crack and could come loose.			
B-008	Y	11-21-1995	1995-1996 S2/S2-T	Quiksilver Carbs (Calif) (Recall 0805)	
	Notes:	The threatle cable wheel of the early could move on it's shaft and some in contact			
B-009	Υ	1-26-1996	1996 S2-T	Touring Handlebar (Product Program BP2)	
Notes:		Rather than stop the shipment of S2-T motorcycles, they were shipped with short handlebars in place of the tall touring bars subject to the recall. Buell is sending the tall touring handlebars to replace the short bars ones.			
B-010	Y	2-7-1997	Early 1997 All models	Anti Rattle Kit (Product Program BP3)	
	Notes:	This kit provides a	an additional flat washer for	each front brake rotor drive pin.	

B-011	Y	2-25-1997	1997 M2	Front Brake Line Wire Guide (Recall 0806)		
	Notes:	The front brake lin operation.	ne guide could cause the ho	se to kink during front brake		
B-012	Y	8-25-1997	1997 S2 (Europe models only)	Rear Fender Reinforcement Update (Product Program BP4)		
	Notes:	Update to the rea	r fender reinforcement on c	ertain models shipped to Europe.		
B-013	Y	9-22-1997	1997-E1998 AII	Front Brake Rotor Drive Pins (Recall 0807)		
	Notes:	come	sed on the front brake rotor e front brake caliper.	could move out of position and		
B-014	Y	2-27-1998	1996-1998 All except 1996 S2/S2T)	Turn Signal Flasher (Recall 0808)		
	Notes:	Failure of one or more turn signal lamps would not be indicated to the rider.				
B-015	Y	9-8-1998	1999 AII	Swingarm (Recall 0809)		
	Notes:	Certain 1999 mod specs.	lels were built with swingarr	ns that were manufactured out of		
B-016B	Υ	11-7-2000	1996-2000 All (except S2/S2T)	Isolator Kit (Product Program BP5)		
	Notes:	The original isolator kit has been revised with improved rear isolators				
B-017	Υ	5-6-1999	1999 X1/S3	DDF Calibration Remote Idler Adjuster		
	Notes:	New calibration improves cold start idle quality and address engine stutter issues.				
B-018	Υ	5-13-1999	1997-1998 S1/M2/S3/S3T	Front Isolator Mount (Recall 0810)		
	Notes:	Certain models built with an isolator mount system that could lose clamp load.				
B-019	Υ	5-17-1999	1996-1998 S1 Lightning 1998 S1 White Lightning	Negative Battery Cable (Recall 0811)		
	Notes:	Certain 1996-1998 models were built with a negative battery cable that could break.				
B-020	Y	5-27-1999	1999 X1	Rear Brake Line Positive Battery Cable (Recall 0812)		
	Notes:	All 1999 Buell X1 Lightnings were built with a rear brake line and rear brake reservoir hose which may be susceptible to abrasion. Also, the positive battery cable could contact the battery carrier.				
B-021A	Y	7-12-1999	1995-1996 S2/S2T 1996-1998 S1/S1W 1997-1999 M2 1997-1999 S3/S3T	Fuel Tank Retention (Recall 0814)		
		-	·	!		

		Theses models w	vere built with a fuel tank mo	ount system that could allow the fuel
	Notes:	tank		•
	-	to become separ	ated from the motorcycle in	the event of a severe collision.
B-022	Υ	6-11-1999	1995-1999 S1/M2/S2 S2T/S3/S3T/X1	Fuel Tank Vent Valve Assem. (Recall 0815)
	Notes:	A certain number that could become		with a fuel tank vent valve assembly
B-023	Y	6-21-1999	1996-1999 S1/X1 M2/S3/S3T	Sidestand Switch (Recall 0813)
	Notes:	Certain models w	vere built with a sidestand s	witch that could become inoperative.
B-024 B-024A B-024B	Y	10-6-2000 11-20-2000	1995-1998 S1/M2 S2/S2T/S3/S3T	Revised Shock Eye (Recall 0817)
	Notes:	Certain models w	vere built with a rear shock a	absorber eye that could break.
B-025A	Y	8-31-1999	1995-1998 S1/M2 S2/S2T/S3/S3T	Swingarm (Recall 0816)
	Notes:	Certain of these	models were built with a sw	ingarm that could break.
B-026INT	Y	10-6-1999	2000 X1/S3/T (Japan only)	Subject
	Notes:	A certain number incorrect fuel filter		ped to the Japanese market with the
B-027	Y	1-31-2000	200 Blast P3	Body Panels Care and Maintenance
	Notes:	Bulletin provides body panels	special care and maintenar	nce instructions for molded-in-color
B-028	Υ	1-31-2000	2000 Blast P3	Initial Care Program
	Notes:	Bulletin provides	information on the Initial Ca	are Program for the 2000 Buell Blast.
B-029	Υ	3-15-2000	2000.5 All	Carb, Ignition, Spark Plug
	Notes:	Model year runni	ng changes.	
B-030	Y	3-9-2000	1999 S3	Rear Brake Line (Recall 0818)
	Notes:	Certain models was cause it to become dan		ine located in a position that may
B-031	Y	3-9-2000	1999 S3/X1	Fuel Filter (Recall 0819)
	Notes:	Certain models w	vere built with a fuel filter th	at could leak.
B-032	Y	7-27-2000	1995-2000 S1/S1W/M2 S2/S2T/S3/S3T/X1	Retrofit Exhaust Header Mount Kit
	Notes:	Upgrade to the e	xhaust header mounts curre	ently in use.
B-033A	Y	12-4-2000	1999 M2 2000 X1/M2/S3/S3T	New Shock Absorber (Recall 0820)
	Notes:	Certain models w	vere built with a rear shock a	absorber that could break.
B-034	Y	11-1-2000	Buell Pro Race System	Race Muffler Retention Kit (Recall 0821)

	Notes:	Certain Buell Pro	Series Race Systems contain	n a muffler that could break.	
B-035 B-035A	Y Y	10-6-2000 11-20-2000	1995-2000 S1/S1W M2/S2/S2T S3/S3T/X1	Shock Absorber Front Shock Mount	
	Notes:	Upgrade kit to the	shock absorbers currently	in use.	
B-036	Y	10-23-2000	2000 P3 Blast	Blast Rear Sprocket (Recall 0822)	
	Notes:	Certain models w	ere built with a rear sprocke	t that could break.	
B-037	Y	11-20-2000	2001 X1/M2/M2L S3/S3T (see notes also)	Rear Shock Locknut Tightening Procedure	
	Notes:	0817 Recall Kit (c	pecs and instructions. Also a overed in Service Bulletin B ered in Service Bulletin B-03!	-024A).	
B-038	Y	1-12-2001	1996-1998 S1 1997-1998 M2	Pro Series Handlebars (Recall 0823)	
	Notes:	Certain of these handlebar kits were manufactured with a handlebar that can break. Includes all domestic and international Buell motorcycles equipped with Buell Pro-Series Competition Handlebar Kits.			
B-039	Y	5-15-2001	Earley 2001 M2/M2L S3/S3T	M2/S3 Shift Linkage Kit	
	Notes:	Kit offers greater	adjustment / reduced shift l	ever effort than stock shift assembly.	
B-041	Y	7-10-2001	2000-2001 Blast P3	Blast TP Sensor Adjustment/Diagnostics	
	Notes:	Updated TP senso	or adjustment and troublesh	ooting instructions.	
B-042	Y	8-30-2001	1999-E2001 M2/M2L	Fuel Tank Protection Kit	
	Notes:	Kit offers increased protection to the surface finish of the fuel tank			
B-043	Y	9-10-2001	L2000-E2001 X1/M2 S3/P3	Engine Sprocket Nut	
	Notes:	Some models wer	Some models were produced with incorrectly manufactured engine sprocket r		
B-044	Y	1-9-2002	2002 X1/M2 M2L/S3T	Shock Absorber Bracket (Recall 0824)	
	Notes:	Certain models were manufactured with a rear shock front mount which could be cracked.			
B-045	Υ	4-10-2002	2003 XB9R	Initial Care Program	
	Notes:	Providing informa	tion on the Initial Care Prog	ram for 2003 XB9R motorcycles.	
B-046	Y	6-11-2002	XB9R	Frame/Fuel Tank Shipment Procedure	
	Notes:	Bulletin provides	instructions to prepare and	ship frame/fuel tanks.	
B-047	Y	8-20-2002	2003 XB9R	Sidestand Leg (Product Program BP8)	
	Notes:	Buell has elected July 9th, 2002.	to replace all sidestand legs	on XB9Rs manufactured through	
B-048	Υ	10-11-2002	2003 XB9R	Sidestand Leg (Recall 0825)	
			·		

	Notes:	There is a safety defect with the sidestand legs on certain models which causes them to have the potential to bend or break without notice.		
B-049	Υ	10-21-2002	2003 XB9S	Initial Care Program
Notes:		Bulletin provides information on the Initial Care Program for 2003 XB9S models.		
B-050	Y	2-14-2003	I // II	Critical Drive Belt Handling Procedures
Notes:		The bulletin is to assist dealer technicians in understanding how improper service procedures impact drive belt durability on all Buell motorcycles.		

#### **Buell TSB 051-100**

BUELL TECHNICAL SERVICE BULLETINS					
TSB_#	PDF?	Date	Model(s)	Title - Short Notes	
B-051 B-051A	Y	10-31-2003	2003 XB9R/XB9S	Wheel Bearing Upgrade (Product Program BP9)	
	Notes:	Buell is providing a no cost wheel bearing upgrade to owners of some '03 XB9R and XB9S. New bearing provides improved seal quality and grease retention.			
B-052	Υ	4-15-2003	2003 domestic XB9SL	Sidestand Leg (Recall 0826)	
	Notes:	There is a safety defect with the sidestand legs on certain models which causes them to have the potential to bend or break without notice.			
B-053	Υ	6-3-2002	2003 XB9R/XB9S	Voltage Regulator Information Update	
	Notes:	Corrections to the Service Manuals.			
B-054	Υ	7-15-2003	2004 X12BR/S	Initial Care Program	
	Notes:	Providing information on the Initial Care Program for 2004 XB12R/S motorcycles.			
B-055	Υ	10-27-2003	2004 XB12R/S	Driveabilty Diagnostics	
Notes		The XB12R/S Initial Care Program has identified some driveability concerns on a small population of motorcycles during the PDI.			
B-056	Y	11-20-2003	1999 EFI X1/S3 2000 EFI X1/S3/S3T	Throttle Control System (Recall 0827)	
Notes:		The idle control cable can become dislodged from the fuel injection system cable guide due to improper adjustment of the throttle control system.			
B-057	Υ	12-19-2003	2004 XB9S/XB9SL/XB12S	Horn Wire Routing (Recall 0828)	
	Notes:	The wire that provides power to the horn, due to mis-routing, can become frayed from contact with the horn bracket mounting bolt.			
B-058	Υ	1-15-2004	2003 XB	Fuse	

	Note		e in manufacturing concerning ce nd service manuals may not displa			
B-059	Y	8-27-2004	2004 P3 Blast	Fuel Vent Rollover Valve (Recall 0829)		
	Note	es: Certain motorcy	cles have a fuel tank vent valve as	ssembly that could malfunction.		
B-060	Y	5-2-2005	2005 XB12R/XB12S/XB9SX	Sidestand Pivot Bolt (Recall 0830)		
	Note	es: sidestand.	The sidestand may not retract 5° as designed when the bike is lifted off			
B-061	Υ	7-23-2005	2006 XB	Initial Care Program		
	Note	es: Providing inform	ation on the Initial Care Program f	for all 2006 XB motorcycles.		
B-062 B-062A	Y	6-8-2006	2006 XB	Throttle Body Throttle Position Sensor		
	Note		Update catalogs, manuals and personnel to address the incorrect information concerning the Julian Date code. This bulletin revises bulletin B-062.			
B-063 B-063A	Y	8-3-2006	2006 XB12X	Sidestand Replacement (Recall 0832)		
	Note	Either the pivot break, possibly without	bolt for the sidestand leg or the m	ounting bracket bolts could		
B-064	Y	8-16-2006	2006-2007 XB12X	P&A Tall Windscreen (Recall 0831)		
	Note	es: The retention fa	steners for the accessory tall wind	screen could fail.		
B-065	Y	8-22-2006	2006-2007 XB12X	Service Literature Update		
	Note	the orientation of the owner's and	of the removable diode in the fuse service manuals.	block was shown incorrectly in		
B-066	Y	2-12-2007	2006-2007 XB12X	Bank Angle Sensor (Recall 0833)		
Notes:		sensor es: which, if combin sensor or	which, if combined with the misrouting of various wires that impinge on the			
B-070	Υ	2-12-2008	2008 1125R	Engine Oil Check		
Notes		es: all	The oil check procedure and capacity information in the attachment supersedes all other information published before the date of this bulletin.			
B-071	Y	4-29-2008	2008 1125R	Calibration and Starter Solenoid (Product Program 0502)		

	Notes:	and improved throttle re solenoid	alibration provides improved cold and sponse. Bulletin also communicates a sedure to improve battery cable retent	n updated starter		
B-073	Y	5-30-2008	All XB12X/XB12XT	Top and Side Case Luggage Latches		
	Notes:	Extended warranty coverage of XB12X and XB12XT top case and side case latches.				
B-074	Y	6-13-2008	2008 1125R	Throttle Position Sensor Service		
	Notes:	The throttle position sensor no longer serviced as a separate part on 1125R models.				
B-075	Y	6-23-2008	2008 1125R	Transmission Jet (Recall 0834)		
	Notes:	These vehicles can elubrication.	experience 5th gear galling on the clu	tch shaft due to lack of		
B-076 B-076A	Y	7-10-2008	2003-2006 XB9R/XB12R	Headlights (Product Program 0501)		
Notes:		Headlight assemblies on some 2003-2006 Firebolt models have a reflective material which can potentially degrade and reduce light output.				
B-080 B-080A	Y	11-5-2008	2007-2009 Blast	Fuel Tank (Recall 0835)		
Notes:		Fuel tanks can experience some local deformation under high heat conditions that can create contact between the fuel tank and cylinder head.				
B-084 B-084A	Y	10-27-2008	2009 1125CR	Rear Cam Chain Tensioner (Recall 0836)		
	Notes:	These models may experience a premature failure of the rear cylinder cam chain tension guide causing plastic debris to block the oil pump screen.				
B-086	Y	10-27-2008	L2007-E2008 XB12XT/XB12XP	Windshield Kit (Recall 0837)		
	Notes:	Windshields may be	come dislodged and distract or strike	the rider at high speeds.		
B-091 B-091A	Y	5-4-2009	2008 1125R 2009 XB12R/XB12Scg	Brake Line (Recall 0838)		
	Notes:	The front brake line	may contact the front tire.			
B-096	Υ	9-11-2009	2008-2010 1125	Head Bolt Installation		
	Notes:	Adding a step to the	cylinder head installation procedure.			
B-097	Y	9-21-2009	2009 XB12Ss	Brake Line (Recall 0839)		
	Notes:	The front brake line	may contact the front tire.			

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B-099	Y	2-15-2010	2008-2010 1125R/1125CR	Charging System Uprade (Product Program 0507)
On certain models, the stator may operate at temperatures that exceed Notes: the manufacturer's recommendation when the vehicle is ridden in lower-rpm (below 5,000 rpm) duty cycles.				
B-100	Y	12-7-2009	2010 XB12X/XB12XT	Footpeg Mount (Recall 0840)
	Notes: Some models may experience a condition where the footpeg is out of position.			

# **Delco-Remy Bulletins**

	DELCO-REMY S	ERVICE BULLETINS
Subject	PDF?	Date
1G-150	Υ	7-3-1961
	Notes:	Adjustments, tests and maintenance of DC generators.
1G-186	Y	7-1-1969
	Notes:	Bulletin is divided into two parts. DC generators and AC generators including Delcotron.
1G-280	Y	1-2-1986
	Notes:	Delcotron Integral Charging System.
1MG-150	Υ	1-15-1963
	Notes:	A guide for generator servicing and maintenance.
1MG-186	Υ	4-1-1964
	Notes:	The specs. in this bulletin are for the purpose of testing the output and performance of Delco-Remy motor-generators in use in the service field and apply only when tests are conducted as recommended in service bulletin 1MG-150.
1R-111	Y	3-31-1953
	Notes:	Standard Current (circuit A) Voltage Regulators
1R-115	Y	7-26-1950
	Notes:	D-R 1118200 Type Two and Three Unit (circuit A) Regulators
1R-116	Y	2-27-1953
	Notes:	D-R standard Type Two and Three Unit (circuit A) Regulators
1R-116A	Υ	8-1-1960

	Notes:	D-R standard Type Three Unit Waterproof Regulators containing an accelerator winding on the voltage regulator unit and having a suffix letter "B" or "C" following the model number.
1R-118	Υ	11-1-1955
	Notes:	D-R standard Type Three Unit Waterproof (circuit A) Regulators
1R-118A	Υ	9-1-1965
	Notes:	Standard waterproof post type regulators
1R-119A	Υ	7-1-1960
	Notes:	Standard waterproof regulators, double contact type (1119600 series)
1R-180	Y	11-1-1965
	Notes:	Numerical Index - Generator output control and relay service test specs. Refer to Bulletin 1R-185 for Test Specs.
1R-185	Υ	11-1-1965
	Notes:	Generator Output Control and Relay Svc Test Specs. Refer to Bulletin IR-180 jm Numerical Index to Test Specs.
1R-186	Υ	3-1-1968
	Notes:	The specifications listed in this bulletin apply only when regulators are tested under service conditions and according to the methods recommended in the applicable service bulletin.
1R-187	Υ	1-1-1970
	Notes:	The specifications listed in this bulletin apply only when regulators are tested under service conditions and according to the methods recommended in the applicable service bulletin.

#### Go To Technical Menu

1)

HD Service Bulletin #458 dated January 12, 1962 pgs 1-6

2)

HD Service Bulletin #M-801 dated November 14, 1980

3)

HD original Service Bulletins as described herein

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