



Harley-Davidson, Inc.

SERVICE MANUAL

FL / FX models 1200 / 1340cc 4-Speed
1978 1/2 to 1984



Harley Davidson Fl Fx 1200 1340cc 1978 1984 Service Repair

Victor M. Corman



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Donny'S Unauthorized Technical Guide to Harley-Davidson, 1936 to Present Donny Petersen,2013-02-12 In this second part of his fifth volume on Harley Davidsons motorcycles Donny Petersen who studied privately with Harley Davidson engineers shares practical knowledge and streetwise tips on the Shovelhead motorcycle Donny presents what Harley Davidson has to say through the myriad of service bulletins back in the day in everyday language He also uses his extensive practical experience to constructively critique the official line offers additional hard earned information and then shares what he does to his own bikes He provides solutions to fix the Shovelheads teething problems Harleys responses to ongoing problematic aspects of vibration as well as the aftermarkets cures tips on working with the Shovelheads carburetors and five ignitions starter and charging systems electrical switches circuit breakers and relays and best practices for lubrication as well as the progression of front forks and shocks brakes wheels and tires Written in straightforward language this guide offers step by step instructions to help all levels of enthusiasts from novices to expert mechanics In his usual forthright manner Donny makes technical issues understandable interspersing explanations with entertaining stories about the lifestyle that comes with being a Harley rider *1978 1/2 to 1984 FL/FX 1200/1340 Cc 4-speed Service Manual* ,1983

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$$\begin{pmatrix} a & a \\ \begin{pmatrix} 2 & 2 & 0 & 1 & 1 & 0 & 1 & 1 & 0 & 3 \\ 1 & 1 & 3 & 0 & 1 & 1 & 1 & 1 & 1 & 1 \end{pmatrix} \end{pmatrix}$$
 right a $\begin{pmatrix} 2 & 0 & 1 & 1 & 2 & 1 & 1 & 1 & 0 & 1 & 3 & 1 & 1 & 0 & 0 & 1 & 1 & 3 & 1 & 1 & 5 \end{pmatrix}$
$$5 \text{ times } 4 \quad 5 \text{ times } 4 \quad 5 \text{ times } 4 \quad 5 \text{ times } 4 \quad 5 \text{ times } 4$$
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we have studied about matrices and algebra of matrices we have also learnt that a system of algebraic equations can be expressed in the form of matrices this means a system of linear equations like $a_1x + b_1y + c_1 = a_2$

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web evaluate the determinant of a 2×2 matrix if a matrix has the same number of rows and columns we call it a square matrix each square matrix has a real number associated with it called its determinant to find the determinant of the square matrix $\begin{vmatrix} a & b \\ c & d \end{vmatrix}$ we first write it as $a \cdot d - b \cdot c$

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web so there are two quantities which can be found in a matrix minors and cofactors minors exist for each element of the matrix and are defined as the determinant of the matrix you get when you ignore the row and column of the element in question for example if my matrix is as follows $\begin{vmatrix} 1 & 2 & 3 & 4 \\ 5 & 6 & 7 & 8 \\ 9 & \dots & \dots & \dots \end{vmatrix}$

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