



New Idea

Parts Manual

703 P.U. Chevy

704 P.U. V6-Gas,

705 P.U. V6 Diesel

706 P.U. Ford 256 Diesel

Parts Manual

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NI-P-703 PU+

REPAIR PARTS LIST

No. US-40

FOR



No. 703 POWER UNIT — CHEVROLET

No. 704 POWER UNIT — V-6 GAS

No. 705 POWER UNIT — V-6 DIESEL

No. 706 POWER UNIT — FORD 256 DIESEL

EFFECTIVE DATE 9-1-76



COLDWATER, OHIO, U.S.A. 45828

**No. 703 Power Unit
(Chevrolet 292)**



Model 703

Lot No. US 123	Year built, 1972
Lot No. US 142	Year built, 1973
Lot No. US 166	Year built, 1974
Lot No. US 197	Year built, 1975
Lot No. US 207	Year built, 1976

No. 704 Power Unit (GMC V-6 401)



Model 704

Lot No. US 124	Year built, 1972
Lot No. US 141	Year built, 1973
Lot No. US 168	Year built, 1974
Lot No. US 175	Year built, 1974
Lot No. US 195	Year built, 1975
Lot No. US 204	Year built, 1976

No. 705 Power Unit (GMC V-6 Diesel 478)



Model 705

Lot No. US 122	Year built, 1972
Lot No. US 140	Year built, 1973
Lot No. US 169	Year built, 1974
Lot No. US 176	Year built, 1974
Lot No. US 176-1	Year built, 1974
Lot No. US 186	Year built, 1975

**No. 706 Power Unit
(In-line 4, Ford 256)**



Model 706

Lot No. US 167	Year built, 1974
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DIRECTIONS FOR ORDERING

**DO NOT ORDER REPAIR PARTS FROM ILLUSTRATION ONLY
ALSO REFER TO THE DESCRIPTION OF THE PART**

Always order repairs by number and give the description of the part. Right or left hand parts are determined by standing back of the machine looking in the direction of travel. Also give model, lot and serial number of unit.

When more than one part is used (in each group) it is so indicated in the description of the part.

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NOTE: Order all Ford engine parts through local Ford parts distributor.

QUICK-FIND SERVICE PARTS AND INFORMATION

We recommend the use of an electric tachometer and a dwell meter in any engine service work or tune-up.

703 POWER UNIT—In-line, Chevrolet 6, 292 cu. in., Gas

ITEM	PART NO.	SERVICE DEFINITION
Spark plug	709518	AC R-44-T, Gap .035, torque 13-17 ft. lbs.
Points	704144	Dwell, 31-34 (Gap, new .019 - used .016)
Timing	4°-8°	B.T.D.C. @ 400 RPM
Firing order		1-5-3-6-2-4
Idle RPM		500-550
Condenser	702544	
Rotor	704143	
Distributor cap	702530	
Oil filter	703103	
Fuel filter	703148	
Hydraulic oil filter	707648	
"V"-belt, alternator	703885	Effective length, 39-3/8"
"V"-belt, governor	703884	Effective length, 48-5/8"
"V"-belt, hydraulic pump (matched set)	703225	Effective length, 46-5/8"
Vari-drive belt	703899	Effective length, 76"
Traction drive belt, HB section	709980	Effective length, 106-11/16"

704 POWER UNIT—G.M.C., V-6, 401 cu. in., Gas

Spark plug	704878	AC C-44-NS, Gap .040, torque 23-27 ft. lbs.
Points	704144	Dwell, 31-34 (Gap, new .019 - used .016)
Timing & idle RPM	10°	B.T.D.C. @ 400 RPM
Firing order		1-6-5-4-3-2
Condenser	702544	
Rotor	704143	
Distributor cap	702530	
Oil filter	704945	
Fuel filter	703148	
Hydraulic oil filter	707648	
"V"-belt, alternator	707982	Effective length, 68"
"V"-belt, hydraulic pump (matched set)	703346	Effective length, 68-15/16"
Vari-drive belt	703899	Effective length, 76"
Traction drive belt, HB section	709979	Effective length, 110-1/2"

705 POWER UNIT—G.M.C., V-6 Diesel, 478 cu. in.

Oil filter element	704945	
Fuel filter element	707226	-1- used Lot US 122 only -2- used Lot US 140
Final fuel filter	704634	
Hydraulic oil filter	707648	
"V"-belt, hydraulic pump (matched set)	708926	Effective length, 66-3/4"
"V"-belt, alternator	707776	Effective length, 45-1/2"
Vari-drive belt	703899	Effective length, 76"
Traction drive belt, HB section	709979	Effective length, 110-1/2"

706 POWER UNIT—In-line 4, Ford, 256 cu. in., Turbo-Charged Diesel

Oil filter element	D2NN-6714-C*	
Fuel filter element	DONN-9N174-B*	
Hydraulic oil filter	707648	
"V"-belt, alternator	708862	Effective length, 56"
Vari-drive belt	703899	Effective length, 76"
Traction drive belt, HB section	709980	Effective length, 106-11/16"

*Not available from Avco New Idea, order through local Ford parts distributor.

LOWER MAIN FRAME



NO. 703 Power Unit
NO. 706 Power Unit

Lot No. US 123-207
Lot No. US 167 only

Key	Part No.	Part Description	Used	Lot No.
1	703595	Cylinder strap	2	US 123 - 167
2	703594	Cylinder strap	2	US 123 - 167
	013564	Machine bolt, 5/16 x 1"	4	
3	701998	Snap, round eye	2	US 123 - 167
4	300459	Cold shut	2	US 123 - 167
5	701995	Chain assembly, 33 links, #2-0 machine chain, complete	2	US 123 - 167
6	701999	Chain connector	2	US 123 - 167
7	010230	Cotter pin, 3/16 x 1-1/4"	4	US 123 - 207
8	703537	Pin, 3/4" O.D. x 4-15/16" long	2	US 123 - 207