

# Steering Linkage

## 1968-73 STEERING LINKAGE

### AMERICAN MOTORS

#### All Series

**Linkage** - Consists of a center cross link connected between pitman arm and idler arm. Left and right tie rods connect between center cross link and steering knuckle. Ball and socket joints are not adjustable.

### CHRYSLER CORP.

#### All Series

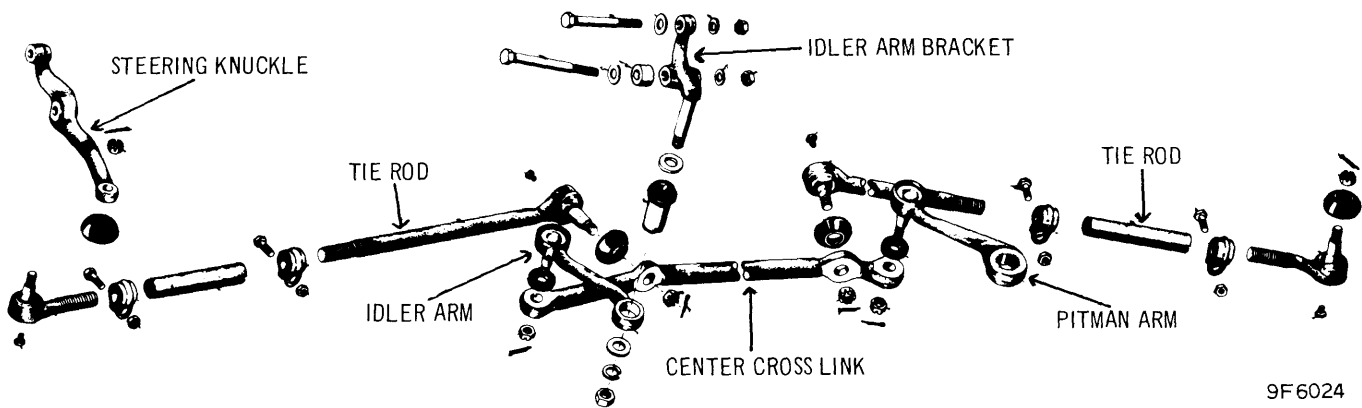
**Linkage** - Consists of idler arm, bracketed to right frame side member, and connected to right end of center link.

Pitman arm is connected to left end of center link. Left and right tie rods connect from ends of center link to steering knuckles. Tie rods have sleeve adjustment for toe-in.

### FORD MOTOR CO.

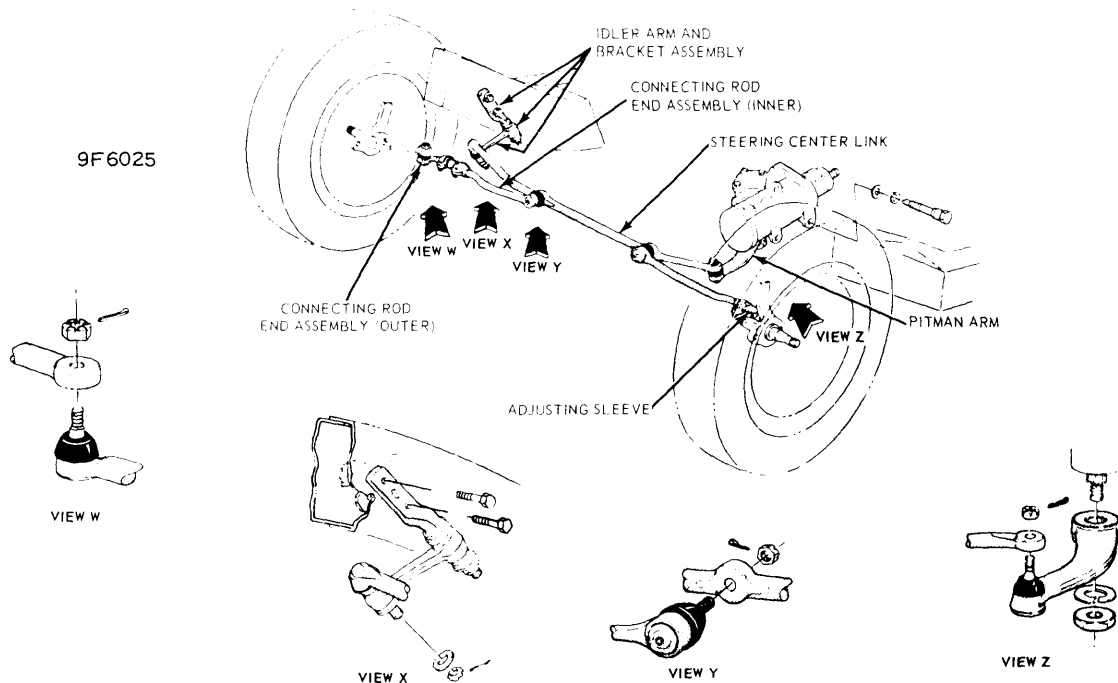
#### All Series

**Linkage** - Consists of a center cross link connected between pitman arm and idler arm. Idler arm is bracketed to right side frame member. Left and right tie rods are connected from center cross link to steering knuckles. Tie rods have sleeve adjustment for toe-in. *NOTE - If idler arm bushings are worn, complete idler arm assembly must be replaced. When spindle connecting rod end is replaced all new parts must be used.*



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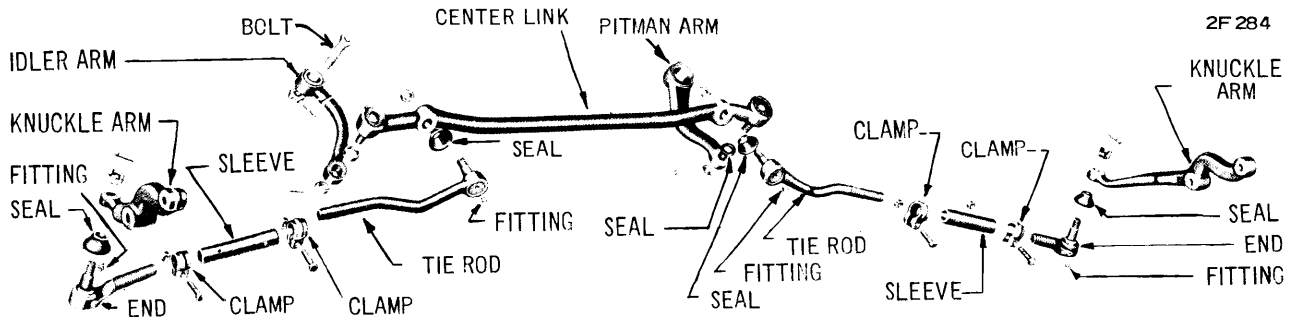
AMERICAN MOTORS STEERING LINKAGE



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FORD MOTOR CO. STEERING LINKAGE (TYPICAL)

## 1968-73 STEERING LINKAGE (Cont.)



CHRYSLER CORP. STEERING LINKAGE (TYPICAL)

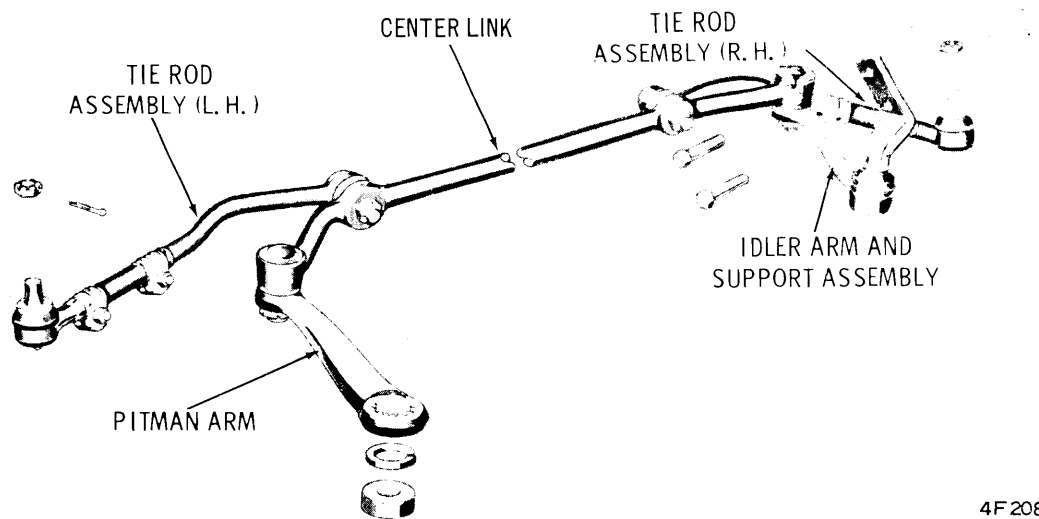
### GENERAL MOTORS

#### All Series (Except Cadillac)

**Linkage** - Consists of a center cross link connected between pitman arm and idler arm. Idler arm is bracketed to right side frame member. Left and right tie rods are connected from center cross link to steering knuckles. Tie rods have sleeve adjustments for toe-in. *NOTE - On Oldsmobile Toronado, idler arm is connected to front cross member.*

### Cadillac

**Linkage** - Consists of a pitman arm and idler arm connected to a center cross link. Left and right tie rods are connected from center cross link to steering knuckles. A shock absorber (steering damper) connects the center cross link to the frame in such a manner as to dampen vibration in the linkage. Tie rods have sleeve adjustments for toe-in. *NOTE - It may be necessary to loosen steering gear at frame to remove center cross link from pitman arm.*



GENERAL MOTORS STEERING LINKAGE (TYPICAL, EXCEPT ELDORADO & TORONADO)

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# Steering Linkage

## 1968-73 STEERING LINKAGE (Cont.)

### 1968-72 TIGHTENING SPECIFICATIONS

#### Tightening Specifications – American Motors & Jeep

Application	Ft. Lbs.
Pitman Arm to Steering Gear.....	115
Jeep.....	160-210
Idler Arm to Support.....	50
Pitman Arm to Cross Link.....	35
Idler Arm to Cross Link.....	55
Tie Rod to Steering Knuckle.....	35
Tie Rod to Cross Link.....	35
Tie Rod Clamps.....	12

#### Tightening Specifications-Chrysler Corp.

Application	Ft. Lbs.
Pitman Arm to Steering Gear.....	175
Idler Arm to Support.....	70
Pitman Arm to Cross Link.....	40
Idler Arm to Cross Link.....	40
Tie Rod to Steering Knuckle.....	40
Tie Rod to Cross Link.....	40
Tie Rod Clamps	
Fury, Polara, Monaco.....	150 IN Lbs.
Chrysler, Imperial.....	150 IN Lbs.
All Others.....	115 IN Lbs.

#### Tightening Specifications-Ford Motor Co.

Application	Ft. Lbs.
Pitman Arm to Steering Gear.....	150-225
Idler Arm to Support (Exc. Mustang, Cougar).....	50-65
Mustang, Cougar.....	30-40
Pitman Arm to Cross Link.....	35-47
Idler Arm to Cross Link.....	50-70
Tie Rod to Steering Knuckle.....	35-47
Tie Rod to Cross Link (Exc. Maverick, Comet).....	35-47
Maverick, Comet.....	30-40
Tie Rod Clamps.....	15-20

#### Tightening Specifications – General Motors

Application	Ft. Lbs.
Pitman Arm to Steering Gear	
Buick.....	160-210
Cadillac.....	185
Chevrolet (Exc. Corvette, Vega, Nova).....	185
Corvette, Nova.....	140
Vega (Manual Steering).....	93
(Power Steering).....	140
Oldsmobile.....	180-210
Pontiac (Exc. Ventura II).....	185
Ventura II.....	140

#### Tightening Specifications – General Motors (Cont.)

Idler Arm to Support	
Buick (Bolt).....	55-70
(Nut).....	40-55
Cadillac (Exc. Eldorado).....	35
Eldorado.....	95
Chevrolet, Camaro.....	48
All Other Chevrolet Models.....	30
Oldsmobile (Exc. Toronado).....	40
Toronado.....	110
Pontiac.....	40
Pitman Arm to Cross Link	
Buick (Exc. Century, Regal).....	40-50
Century, Regal.....	30-40
Cadillac (Exc. Eldorado).....	45
Eldorado.....	60
Chevrolet (Exc. Vega).....	45
Vega.....	35
Oldsmobile.....	45-55
Pontiac, Catalina, Bonneville,	
Grand Ville, Firebird.....	40
LeMans, Grand Prix.....	30
Ventura II.....	45
Idler Arm to Cross Link	
Buick (Exc. Century, Regal).....	35-45
Century, Regal.....	30-50
Cadillac (Exc. Eldorado).....	40
Eldorado.....	60
Chevrolet (Full Size Only).....	40
All Other Chevrolet Models.....	35
Oldsmobile (Exc. Omega)	
Omega.....	35-45
Pontiac, Catalina, Bonneville,	
Grand Ville, Firebird.....	35
LeMans, Grand Prix.....	30
Ventura II.....	45
Tie Rod to Steering Knuckle	
Buick.....	30-40
Cadillac.....	37
Chevrolet.....	35
Oldsmobile.....	35-50
Pontiac.....	30
Tie Rod to Cross Link	
Buick (Exc. Century, Regal).....	50-70
Century, Regal.....	30-50
Cadillac.....	60
Chevrolet.....	35
Oldsmobile (Exc. Omega).....	60-85
Omega.....	40-55
Pontiac, Catalina, Bonneville,	
Grand Ville, Firebird.....	50
All Other Pontiac Models.....	30
Tie Rod Clamps	
Buick.....	19-24
Cadillac.....	22
Chevrolet (Exc. Corvette, Vega, Nova).....	22
Vega, Nova.....	132 IN. Lbs.
Corvette.....	150 IN. Lbs.
Oldsmobile.....	19-24
Pontiac.....	20

## 1968-73 STEERING LINKAGE (Cont.)

### 1973 TIGHTENING SPECIFICATIONS

#### Tightening Specifications – American Motors & Jeep

Application	Ft. Lbs.
Pitman Arm to Steering Gear .....	115
Jeep .....	120-160
Idler Arm to Support .....	45
Pitman Arm to Cross Link .....	35
Idler Arm to Cross Link .....	35
Tie Rod to Steering Knuckle .....	35
Tie Rod to Cross Link .....	35
Tie Rod Clamps .....	10

#### Tightening Specifications – Chrysler Corp.

Application	Ft. Lbs.
Pitman Arm to Steering Gear .....	175
Idler Arm to Support .....	65
Pitman Arm to Cross Link .....	40
Idler Arm to Cross Link .....	40
Tie Rod to Steering Knuckle .....	40
Tie Rod to Cross Link .....	40
Tie Rod Clamps	
Fury, Polara, Monaco .....	150 IN. Lbs.
Chrysler, Imperial .....	150 IN. Lbs.
All Others .....	115 IN. Lbs.

#### Tightening Specifications – Ford Motor Co.

Application	Ft. Lbs.
Pitman Arm to Steering Gear .....	① 150-225
Idler Arm to Support .....	① 30-40
Pitman Arm to Cross Link .....	① 35-47
Idler Arm to Cross Link .....	① 50-70
Tie Rod to Steering Knuckle	
All except Pinto .....	35-47
Pinto .....	18-30
Tie Rod to Cross Link	
Maverick, Comet .....	30-40
All Others .....	① 35-47
Tie Rod Clamps	
Maverick, Comet, Montego, Torino, Lincoln .....	9-15
Pinto (jam nut) .....	35-50
All Others .....	8-14

① Does not apply to Pinto.

#### Tightening Specifications – General Motors

Application	Ft. Lbs.
Pitman Arm to Steering Gear	
Buick .....	160-210
Cadillac .....	185
Chevrolet Except Corvette & Chevy Vega .....	180
Corvette .....	140
Chevy Vega (Manual Steering) .....	93
(Power Steering) .....	140
Oldsmobile .....	180-210
Pontiac Except Ventura II .....	185
Ventura II .....	140
Idler Arm to Support	
Buick Skylark, GS, & Sportwagon (bolt) .....	40-50
(nut) .....	30-40
Buick, All Others (bolt) .....	55-70
(nut) .....	40-55

#### Tightening Specifications – General Motors (Cont.)

Application	Ft. Lbs.
Cadillac Except Eldorado .....	35
Eldorado .....	95
Chevrolet & 125" W.B. Station Wagon .....	45
Chevy Vega .....	30
All Others .....	35
Oldsmobile Except Toronado .....	35-45
Toronado .....	85-110
Pontiac .....	40
Pitman Arm to Cross Link	
Buick Skylark, GS, & Sportwagon .....	30-40
All Others .....	40-50
Cadillac .....	60
Chevrolet Except Chevy Vega .....	50
Chevy Vega .....	35
Oldsmobile 88, Ninety-Eight .....	40-60
Custom Cruiser & Toronado .....	40-60
All Others .....	30-40
Pontiac Catalina, Bonneville .....	40
Grandville, Firebird .....	40
Ventura II .....	45
LeMans, Grand Prix .....	30
Idler Arm to Cross Link	
Buick Skylark, GS, & Sportwagon .....	30-50
All Others .....	35-45
Cadillac .....	60
Chevrolet Except Chevy Vega .....	50
Chevy Vega .....	35
Oldsmobile 88, Ninety-Eight .....	40-60
Custom Cruiser & Toronado .....	40-60
All Others .....	30-40
Pontiac Catalina, Bonneville .....	35
Grandville, Firebird .....	35
Ventura II .....	45
LeMans, Grand Prix .....	30
Tie Rod to Steering Knuckle	
Buick Skylark, GS, & Sportwagon .....	30-40
All Others .....	40-60
Cadillac .....	37
Chevrolet .....	35
Oldsmobile 88, Ninety-Eight .....	40-60
Custom Cruiser & Toronado .....	40-60
All Others .....	30-40
Pontiac .....	30
Tie Rod to Cross Link	
Buick Skylark, GS, & Sportwagon .....	30-50
All Others .....	50-70
Cadillac .....	60
Chevrolet .....	35
Oldsmobile 88, Ninety-Eight .....	40-60
Custom Cruiser & Toronado .....	40-60
All Others .....	30-40
Pontiac .....	30
Tie Rod Clamps	
Buick .....	19-24
Cadillac .....	20
Chevrolet Except Chevy Vega & Nova .....	22
Chevy Vega .....	132 IN. Lbs.
Nova .....	150 IN. Lbs.
Oldsmobile .....	15-25
Pontiac .....	20