PARKING BRAKES

INDEX

	Page		Page
Adusting Parking Brake	17	Removing Front Parking Brake Cable	17
General Information	16	Removing Rear Parking Brake Cable	17
Installing Front Parking Brake Cable	19	Service Diagnosis	16
Installing Rear Parking Brake Cable	17		

GENERAL INFORMATION

The rear wheel service brakes also act as parking brakes. The brake shoes are mechanically operated by a lever and strut connected to a flexible steel cable. The wheel brake cables are joined together by a forward brake cable and equalizer extending to the parking brake pedal or release handle (Figs. 1, 2, 3 and 4).

SERVICE DIAGNOSIS

Condition	Possible Cause	Correction
DRAGGING BRAKE	(a) Improper cable or brake shoe adjustment.	(a) Properly adjust the service brakes then adjust the parking brake cable.
	(b) Broken brake shoe return spring.	(b) Replace any broken return spring.
	(c) Broken brake shoe retainer spring.	(c) Replace the broken retainer spring.

Condition	Possible Cause	Correction
	(d) Grease or brake fluid soaked lining.	(d) Replace the grease seal or recondition the wheel cylinders and replace both brake shoes.
	(e) Sticking or frozen brake cable.	(e) Replace cable.
	(f) Broken rear spring.	(f) Replace the broken rear spring.
	(g) Bent or rusted cable equalizer.	(g) Straighten, or replace and lubricate the equalizer.
	(h) Heat set parking brake cable spring.	(h) Replace parking brake cable.
BRAKE WILL NOT HOLD	(a) Broken or rusted brake cable.	(a) Replace cable.
	(b) Improperly adjusted brake or cable.	(b) Adjust brakes and cable as necessary.
	(c) Soaked brake lining.	(c) Replace the brake lining.
	(d) Ratchet or pedal mechanism worn.	(d) Replace pedal assembly.

SERVICE PROCEDURES

ADJUSTING PARKING BRAKE

The service brakes must be properly adjusted before adjusting the parking brake.

(1) Release parking brake lever and loosen cable adjusting nut to insure cable is slack, (Figs. 1 or 2). Before loosening cable adjusting nut, clean threads with wire brush and lubricate with grease.

(2) Tighten cable adjusting nut until a slight drag is felt while rotating wheel, loosen cable adjusting nut until both rear wheels can be rotated freely, then back off cable adjusting nut two full turns.

(3) Apply parking brake several times, then release and test to see that rear wheels rotate freely without dragging.

REMOVING REAR PARKING BRAKE CABLE

The independent rear brake cables are attached to an equalizer (Fig. 1 or 2). The front cable is adjusted at the equalizer.

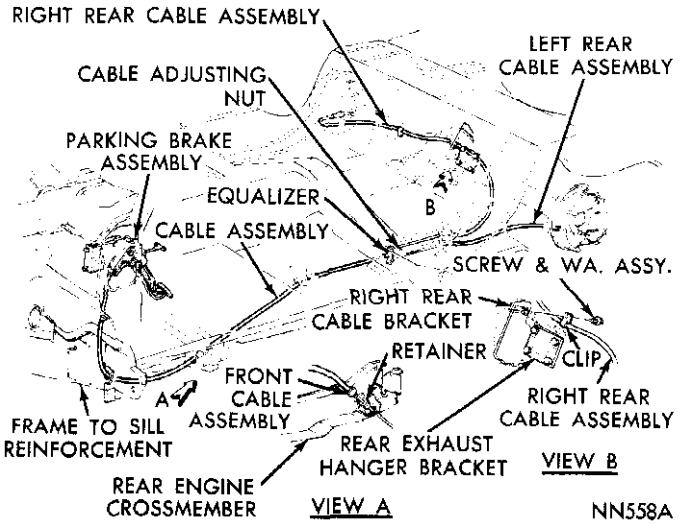

Fig. 1—Parking Brake Cable Routing (Barracuda and Satellite)

Should it become necessary to remove the parking brake cable (rear) for installation of a new cable, see (Fig. 3) Wheel Cylinders.

(1) With vehicle jacked up or on a suitable hoist, remove rear wheels.

(2) Disconnect brake cable from equalizer.

(3) Remove retaining clip from brake cable bracket.

(4) Remove brake drum from rear axle.

(5) Remove brake shoe return springs.

(6) Remove brake shoe retaining springs.

(7) Remove brake shoe strut and spring from brake support and disconnect brake cable from operating arm.

(8) Compress retainers on end of brake cable housing and remove cable from support. (Fig. 3) Wheel Cylinders.

INSTALLING REAR PARKING BRAKE CABLE

When installing a new brake cable, lubricate the cable with short fibre grease at the contact points.

(1) Insert brake cable and housing into brake support plate making certain that housing retainers lock the housing firmly into place.

(2) Holding brake shoes in place on support plate, engage brake cable into brake shoe operating lever. Install parking brake strut and spring.

(3) Install brake shoe retaining springs, and brake shoe return springs.

(4) Install brake drum and wheel.

(5) Insert brake cable and housing into cable bracket and install retaining clip.

(6) Insert brake cable into equalizer. Note different size slot for corresponding cable end fitting.

(7) Adjust service brakes and parking brake cable.

REMOVING FRONT PARKING BRAKE CABLE

(1) Disengage front parking brake cable from equalizer bar (Figs. 1 or 2).

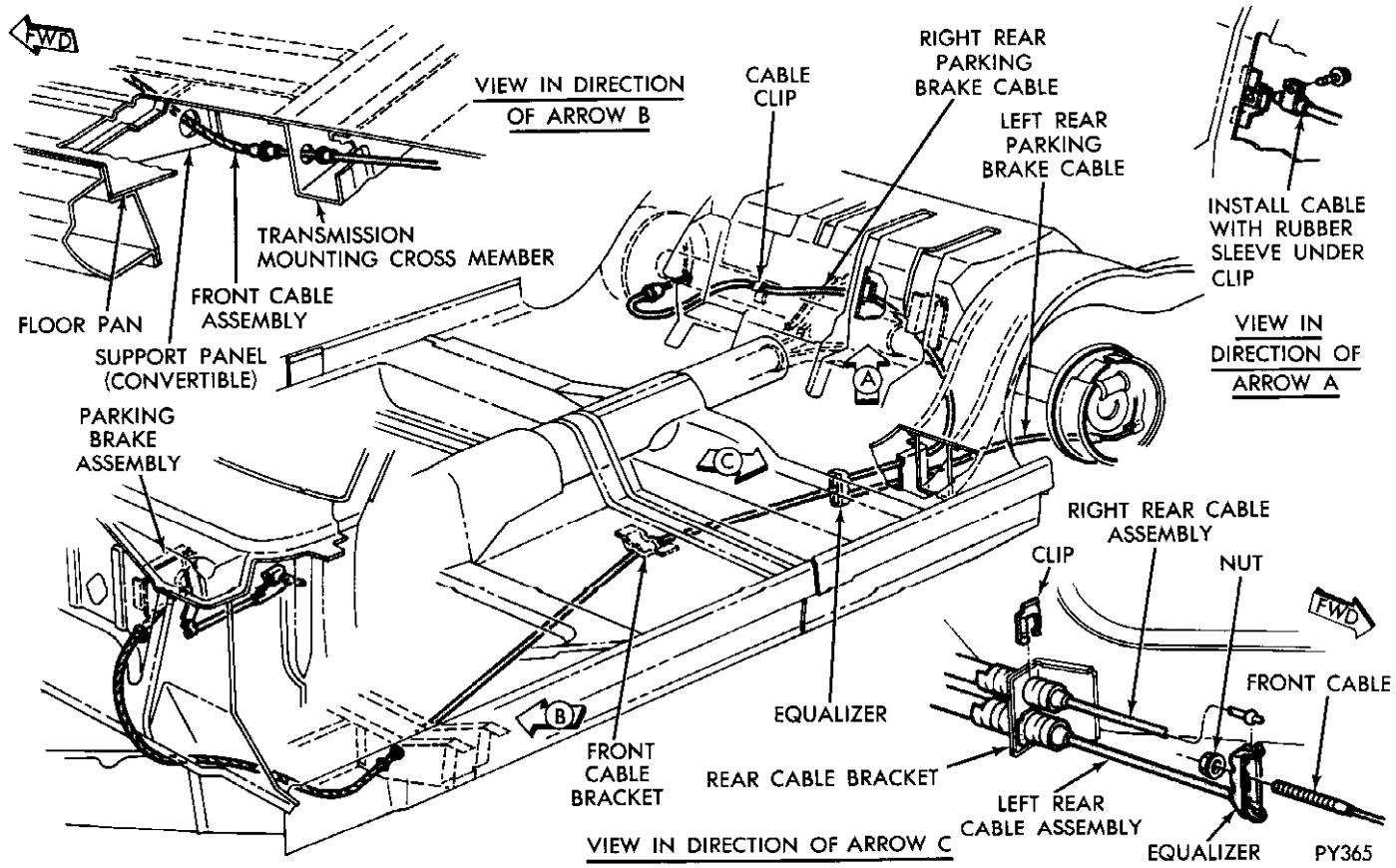

Fig. 2—Parking Brake Cable Routing (Valiant)

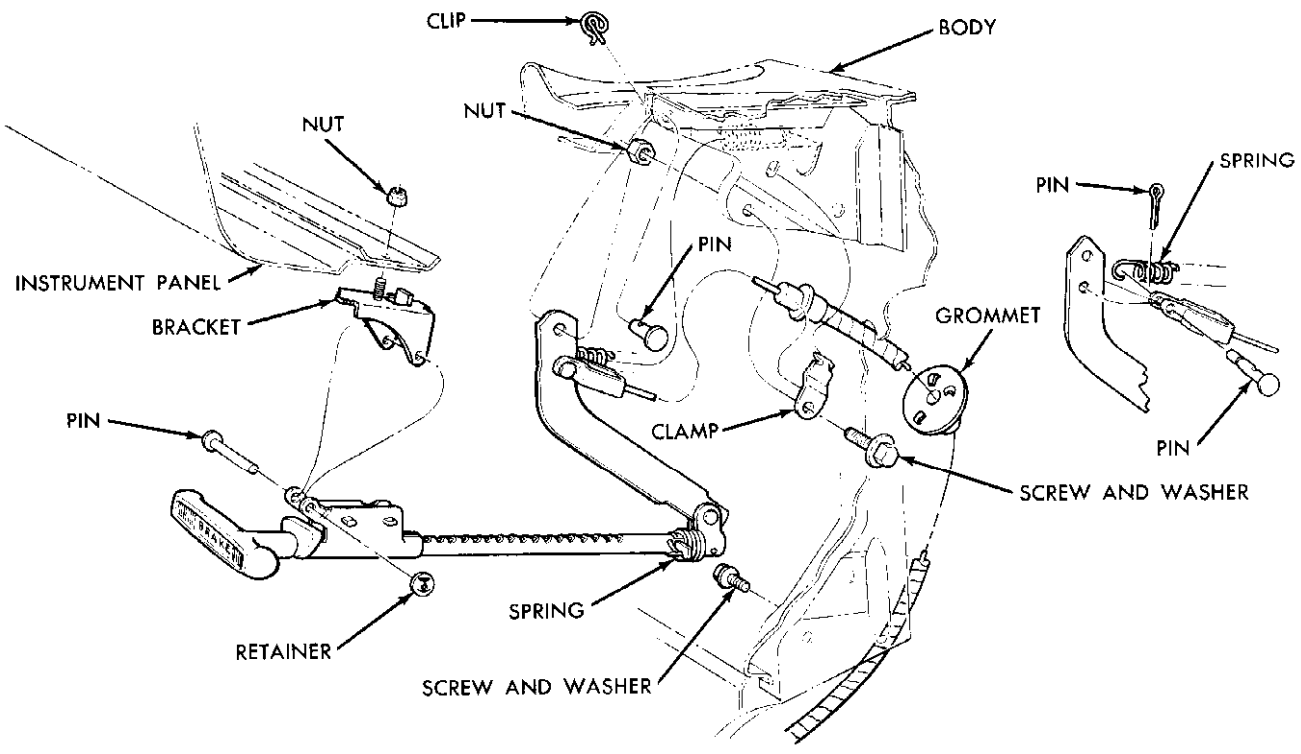

Fig. 4—Parking Brake Lever (Valiant)

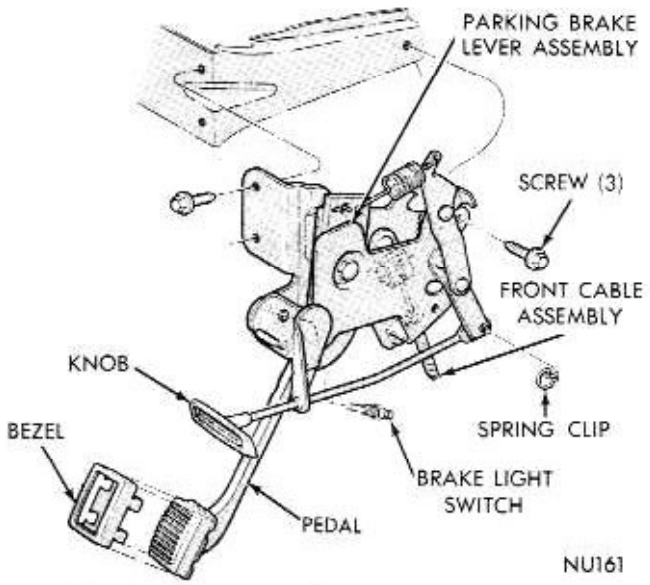

Fig. 3—Parking Brake Pedal (Plymouth)

(2) Disengage cable from guide clip.

(3) Using a screwdriver force cable housing and attaching clip out of body crossmember.

(4) Fold back left front edge of floor mat and remove rubber cable cover from floor pan.

(5) Engage parking brake and work brake cable up and out of brake pedal linkage, (Figs. 3, 4 or 5).

(6) Using a screwdriver force upper end of cable housing and clip down out of pedal assembly bracket.

(7) Remove cable to floor pan clip and work cable and housing assembly up through floor pan.

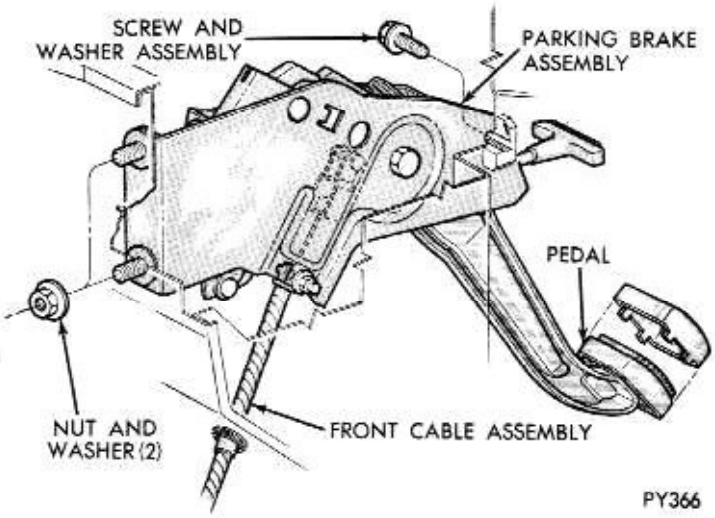

Fig. 5—Parking Brake Pedal (Barracuda)

INSTALLING FRONT PARKING BRAKE CABLE

(1) Insert rear end of brake cable and housing down through cable routing hole in floor pan.

(2) Engage upper end of cable and housing assembly up through pedal assembly bracket and firmly attach housing and clip into bracket.

(3) Depress parking brake pedal and insert end of cable into parking brake pedal clevis.

(4) Insert cable through body crossmember and firmly press into housing and attaching clip.

(5) Attach front cable to equalizer bar.

(6) Adjust service brakes and parking brake cable.

(7) Apply brakes several times and test for free wheel rotation when parking brake is in "off" position.